

EASO

European Association for the Study of Obesity



3st EUROPEAN CONGRESS ON OBESITY

12-15 MAY 2024 VENICE, ITALY

PROGRAMME BOOK



www.eco2024.org

VENUE FLOOR PLAN



PROGRAMME AT A GLANCE

12 MAY 2024, SUNDAY

TRACK 1

TRACK 2

TRACK 3

TRACK 4

EASO Teaching Workshops 09:30-12:20

Sala Volpi	Sala Grande	Sala Perla	Sala Darsena
Teaching Workshop: EASO Nutrition Working Group 08:30-12:20	Teaching Workshop: EASO Childhood Obesity Working Group	Teaching Workshop: EASO Psychology, Behaviour & Mental Health Working Group We Are Not Equipped to Deal With That': Overcoming barriers to treatment for people living with obesity and mental illness	Teaching Workshop: Joint EASO Scientific Advisory Board and EASO Obesity Management WG: Phenotyping Obesitys Beyond BMI

Topic Sessions 12:30-14:00

Sala Volpi	Sala Grande	Sala Perla	Sala Darsena
T1 Topic Session: Adipose Tissue Niche and Tumour Microenvironment in Obesity	T3 Topic Session: Advances in the Pharmacological Treatment of Children and Adolescents with Obesity	T2 Topic Session: Community Approaches to Improving Food Security for Health and Wellbeing	T4 Topic Session: Guidelines and Future Perspectives of MAFLD

Lunch Break 13:00-14:00

Abstract Sessions 14:15 - 15:45

Sala Volpi	Sala Grande	Sala Perla	Sala Darsena
T1 Abstract Session: Immunometabolism and Inflammation	T2 Abstract Session: Environment and Policy	T3 Abstract Session: Treatment of Obesity in Children and Adolescents	T4 Abstract Session: Novel Treatments

Coffee Break/Commercial Exhibition 15:45-16:15

	Sala Grande	Sala Perla	Sala Darsena
	Industry Supported Session 2 16:15-17:45	Industry Supported Session 3 16:15-17:45	Industry Supported Session 4 16:15-17:45

Sala Darsena

EASO - Novo Nordisk Foundation Obesity Prize for Excellence session: Challenges and opportunities in Childhood Obesity
17:45-18:45

ECO2024 Opening Ceremony
18:45-19:15

Exhibition Hall

ECO2024 Welcome Reception
19:15-20:15

PROGRAMME AT A GLANCE

13 MAY 2024, MONDAY

TRACK 1

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Sala Darsena

T3 Plenary Lecture: Socioeconomic Position and Obesity 08:30-09:15

Topic Sessions

09:30-11:00

Sala Volpi

Sala Grande

Sala Perla

Sala Darsena

T1 Topic Session: Liver Phenotypes in Obesity

T2 Topic Session: Behavioural and Nutritional Consequences of Next-Generation Pharmacotherapy

T3 Topic Session: Overview of Paediatric Obesity Treatment Guidelines

T4 Topic Session: Obesity in Women across the Lifespan

Sala Mosaici 2

Coffee Break and TOP G-Communications 11:00-11:45

Abstract and Joint Sessions

11:45-13:15

Sala Volpi

Sala Grande

Sala Perla

Sala Darsena

T1 Abstract Session: Adipose Tissue

EASO - Novo Nordisk Foundation 2023 New Investigators Awards Update Session
11:45-13:00

T3 Abstract Session: Early Life Risk Factors for Obesity

Joint Session EASO/EASD Is Diabetes an Adiposity Based Disease

Sala Mosaici 1

EASO Physical Activity, Fitness and Function Working Group

Lunch Break 13:15-14:15

Sala Volpi

Sala Grande

Sala Perla

Sala Darsena

New Technologies for Obesity Science: from research to clinical applications
13:45-15:15

Industry Supported Session 5
13:45-15:15

Industry Supported Session 6
13:45-15:15

WHO Joint Session / Ongoing work to prevent and manage obesity in the WHO European Region
13:30-15:00

Sala Darsena

Special Plenary Lecture: Taking off the Mask of Obesity
15:15-16:00

Sala Mosaici 2

Coffee Break and TOP G-Communications 16:00-17:00

EASO and Abstract Sessions

17:00-18:30

Sala Volpi

Sala Grande

Sala Perla

Sala Darsena

T4 Abstract Session: Clinical Obesity

EASO Early Career Network Best Thesis Award Session

SWEET Symposia: Barriers and Facilitators to the Use of Sweeteners and Sweetness Enhancers to replace Sugar

EASO COMs Session: Guidelines and Implementation

PROGRAMME AT A GLANCE

14 MAY 2024, TUESDAY

TRACK 1

TRACK 2

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Sala Darsena			
T1 Plenary Lecture: The expanding impact of central nervous system GLP-1 receptor signaling 08:30-09:15			
Topic Sessions 09:30-11:00			
Sala Volpi	Sala Grande	Sala Perla	Sala Darsena
T1 Topic Session: Skeletal Muscle Alterations in Obesity	T2 Topic Session: Mental Health, Disordered Eating and Physical Activity	T3 Topic Session: Intergenerational Transmission	T4 Topic Session: Tailored Pharmacologic Therapy for Obesity
Sala Mosaici 2			
Coffee Break and TOP G-Communications 11:00-11:45			
Abstract Sessions 11:45-13:15			
Sala Volpi	Sala Grande	Sala Perla	Sala Darsena
T1 Abstract Session: Intergan Cross-Talk	T4 Abstract Session: News in Obesity Management Medications	T3 Abstract Session: Perspectives in Paediatric Obesity	T4 Abstract Session: Nutritional Intervention
Sala Mosaici 1			
T2 Abstract Session: Epidemiology and Population Studies			
Lunch Break 13:15-14:15			
Sala Volpi	Sala Grande	Sala Perla	Sala Darsena
Industry Supported Session 7 13:45-15:15	Industry Supported Session 8 13:45-15:15	Industry Supported Session 9 13:45-15:15	EASO/IFSO-EC Joint Symposium 13:45-15:15
Sala Mosaici 1			
IMI SOPHIA 13:45-15:15			
Sala Darsena			
Track 2 Plenary Lecture: The "Exposome Hypothesis" and Obesity 15:15-16:00			
Sala Mosaici 2			
Coffee Break and TOP G-Communications 16:00-17:00			
EASO Sessions 17:00-18:30			
Sala Volpi	Sala Grande	Sala Perla	Sala Darsena
EASO Paediatric COMs Session	EASO - Novo Nordisk Foundation 2024 New Investigators Awards Session	Nutrition Education in Europe: Innovative Approaches	Joint Session EASO/ESC: The Impact of Obesity Management on Cardiovascular Outcomes

PROGRAMME AT A GLANCE

15 MAY 2024, WEDNESDAY

TRACK 1

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TRACK 4

Sala Darsena			
Track 1 Plenary Lecture: Obesity and Cancer 08:30-09:15			
Topic Sessions 09:30-11:00			
Sala Volpi	Sala Grande	Sala Perla	Sala Darsena
T1 Topic Session: Gut Feelings in Obesity	T2 Topic Session: Ultra-Processed Foods: Fact or Fad?	T3 Topic Session: Immunomodulation	T4 Topic Session: Nutrition Management and Physical Activity in Sarcopenic Obesity in the NCDs Era
Coffee Break 11:00-11:30			
Abstract Sessions 11:30-13:00			
Sala Volpi	Sala Grande	Sala Perla	Sala Darsena
T1 Abstract Session: Metabolic Homeostasis and Gender	T2 Abstract Session: Obesity Costs & Inequalities	T3 Abstract Session: Trends in Obesity in Childhood	T4 Abstract Session: Metabolic/ Bariatric Surgery
Sala Grande			
Closing Plenary Session: Network Medicine, Artificial Intelligence, and Metabolic Disease 13:00-13:45			
Closing Ceremony and Abstract Award Presentation 13:45-14:15			

12 MAY 2024, SUNDAY

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09:30-12:20 TEACHING WORKSHOPS

08:30-12:20 EASO Nutrition Working Group **SALA VOLPI**

08:30-11:00 Session 1: Dietary guidelines for the treatment of obesity in Europe and in Italy

Chairs: Maria Hassapidou (Greece), Ersilia Troiano (Italy)

08:30-08:50 Dietary guidelines in Europe. Medical Nutrition therapy (MNT) for adults with obesity. *M Hassapidou (Greece)*

08:50-09:10 European guidelines for the Medical Nutrition therapy for children with Obesity. *O Androustos (Greece)*

09:10-09:30 Dietary intervention/treatment for people with obesity in Italy. *D Ojeda Mercado (Italy)*

09:30-10:30 Discussion panel. Needs of Italian dietitians for the assessment / treatment of Obesity *M Hassapidou (Greece),
I Clerici (Italy),
E Troiano (Italy),
A van Gienkel (Netherlands)*

10:30-11:00 Coffee break

11:00-12:20 Session 2: The role of dietary treatment in patients with Obesity that are receiving medication.

Chairs: Annemieke Van Ginkel (Netherlands), Ellen Govers (Netherlands)

11:00-11:15 Nutritional problems of patients receiving medication. The state of the art. *A Vlassopoulos (Greece)*

11:15-11:30 Dietary intervention in patients with Obesity under medication. Experience/case study from a hospital in Stockholm. *L Tolvanen (Sweden)*

11:30-11:45 Dietary intervention in patients with Obesity under medication. Experience/case study from primary care in the Netherlands *E Govers (Netherlands)*

11:45-12:00 The role of dietitian in the treatment of patients with Obesity under medication. Future steps. *H Mulrooney (UK)*

12:00-12:20 Discussion

09:30-12:20 EASO Childhood Obesity Working Group **SALA GRANDE**

Chairs: Jennifer L Baker (Denmark), Melania Manco (Italy)

09:30-10:00 Obesity treatment in children- what is the outcome we want? *J L Baker (Denmark)*

10:00-10:30 Early Prevention of Obesity in children *A Morandi (Italy)*

10:30-11:00 Coffee Break

11:00-11:30 Beyond Insulin: Navigating the Metabolic Maze of Childhood Obesity *M Manco (Italy)*

11:30-12:00 Holistic View of Obesity in Children *A Körner (Germany)*

12:00-12:20 Discussion

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09:30-12:20	EASO Psychology, Behaviour & Mental Health Working Group We Are Not Equipped to Deal With That': Overcoming barriers to treatment for people living with obesity and mental illness		SALA PERLA
	Session 1 - Eating disorders: Building Momentum		
	Chair: Amy Ahern (UK)		
09:30-10:00	Management of Eating Disorders and Obesity from Transdiagnostic Perspective		<i>F Fernandez Aranda (Spain)</i>
10:00-10:30	ES1.01 The Eating Disorders in Obesity Treatment (EDIT) Collaboration		<i>N Lister (Australia)</i>
10:30-11:00	Lived Experience of Patients with Disordered Eating		<i>ECPO</i>
	Session 2 - Beyond Eating Disorders		
	Chair: Amy Ahern (UK)		
11:00-11:20	ES1.02 The role of psychological trauma in obesity and other cardiometabolic conditions		<i>U A Valdimarsdóttir (Iceland)</i>
11:20-11:40	RESOLVE: Realist synthesis of non-pharmacological interventions for weight gain in severe mental illness		<i>A Kenny (UK)</i>
11:40-12:00	ADHD and Obesity: Learnings from TIMESPAN		<i>H Larsson (Sweden)</i>
12:00-12:20	Discussion		
09:30-12:20	Teaching Workshop: Joint EASO Scientific Advisory Board and EASO Obesity Management WG: Phenotyping Obesities Beyond BMI		SALA DARSENA
09:30-10:30	Session 1: Time Revisiting the beyond BMI paradigm		
	Chairs: Barbara McGowan (UK), Andreea Ciudin (Spain)		
09:30-09:50	Rethinking and reframing obesity		<i>G Frühbeck (Spain)</i>
09:50-10:10	ES2.01 Mechanisms linking adiposity and cardiovascular disease		<i>N Sattar (UK)</i>
10:10-10:30	Sexual dimorphism in cardiometabolic health: the role of adipose tissue and skeletal muscle		<i>G Goossens (Netherlands)</i>
10:30-10:50	Coffee break		
10:50-12:20	Session 2: Techniques and practicalities for phenotyping		
	Chairs: Gema Frühbeck (Spain), Gijs Goossens (Netherlands)		
10:50-11:30	Morphofunctional assessment (phase-angle BIA, echography, dynamometry-funct. tests)		<i>J M García-Almeida (Spain), I Vegas-Aguilar (Spain)</i>
11:30-11:50	ES2.02 Energy expenditure and BAT (indirect calorimetry and thermography)		<i>A Ciudin (Spain)</i>
11:50-12:10	ES2.03 The heart (epicardial AT and coronary TC)		<i>A Malavazos (Italy)</i>
12:10-12:20	Closing remarks		

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12:30-14:00

TOPIC SESSION

12:30-14:00

T1 Topic Session: Adipose Tissue Niche and Tumour Microenvironment in Obesity

SALA VOLPI

Chairs: Gabriella Milan (Italy), Matthias Blüher (Germany)

12:30-13:00

TS01.01

Linking Obesity and Cancer

N Halberg (Norway)

13:00-13:30

TS01.02

Adipose Stem Cells Reprogram the Colon Rectal Cancer Stem Cells

G Stassi (Italy)

13:30-13:45

TS01.03

The site-specific crosstalk between adipose tissue and tumor cells involves mitochondrial calcium signalling

E Trevelli (Italy)

13:45-14:00

TS01.04

Immune-mediated tumor microenvironment remodeling depends on the high fat diet duration

S Marlin (France)

12:30-14:00

T3 Topic Session: Advances in the Pharmacological Treatment of Children and Adolescents with Obesity

SALA GRANDE

Chairs: Nathalie Farpour-Lambert (Switzerland), Melania Manco (Italy)

12:30-13:00

Where are we now?

D Weghuber (Austria)

13:00-13:30

Unanswered Questions and Considerations in Treating the Chronic Disease of Obesity

T Helgason (Iceland)

13:30-13:45

TS02.01

Dosing of antidepressants in relation to body weight in children and adolescents with overweight and obesity- a population-based study

JM Kindblom (Sweden)

13:45-14:00

TS02.02

The impact of behavioural weight management interventions on eating behaviour traits in children with overweight or obesity: systematic review and meta-analysis

A Smith (UK)

12:30-14:00

T2 Topic Session: Community Approaches to Improving Food Security for Health and Wellbeing

SALA PERLA

Chairs: Maria Bryant (UK), Dana Mullerova (Czechia)

12:30-13:00

TS03.01

Community Food Growing as an Intervention to Improve Diet, Wellbeing and Food Security

C Hardman (UK)

13:00-13:30

TS03.02

Community Cooking Skills and Food Agency Interventions: Do They Increase Diet Quality?

J Wolfson (US)

13:30-13:45

TS03.03

Are supermarket provided monetary top-ups of Healthy Start vouchers associated with increased purchases of fruits and vegetables in UK families with young children?

A Fildes (UK)

13:45-14:00

TS03.04

The impact of the cost of living crisis and food insecurity on food purchasing behaviours and food preparation practices in people living with obesity: insights from the FIO Food project

RA Stone (UK)

12 MAY 2024, SUNDAY

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12:30-14:00		T4 Topic Session: Guidelines and Future Perspectives of MAFLD	SALA DARSENA
Chairs: Roberto Vettor (Italy), Paolo Angeli (Italy)			
12:30-13:00		EASL-EASD-EASO New Clinical Practice Guidelines for the Management of MAFLD	<i>S Franque (Belgium)</i>
13:00-13:30	TS04.01	Treating Obesity for Treating MAFLD	<i>S Zelber-Sagi (Israel)</i>
13:30-13:45		Future Therapeutic Perspectives Targeting Oxidative Stress and Inflammation in MAFLD	<i>E Bugianesi (Italy)</i>
13:45-14:00		Discussion	
13:00-14:00		LUNCH BREAK	
14:15-15:45		ABSTRACT SESSIONS	
14:15-15:45		T1 Abstract Session: Immunometabolism and Inflammation	SALA VOLPI
Chairs: Marco Rossato (Italy), Jørn V. Sagen (Norway)			
14:15-14:30	AS01.01	Increased levels of netrin-1 in obesity promote visceral adipose tissue inflammation and are associated with insulin resistance	<i>A Mentxaka (Spain)</i> 
14:30-14:45	AS01.02	B cell-derived Nociceptin Contributes to Metabolic Dysregulation in Obesity	<i>S Puente Ruiz (Germany)</i>
14:45-15:00	AS01.03	Modulating adipose tissue dysfunction and insulin resistance in obesity through SVEP1 peptide-mediated Inhibition of macrophage-driven inflammation	<i>N Kislev (Israel)</i>
15:00-15:15	AS01.04	The inflammatory process triggers post-translational modifications of $\alpha 7nAChR$ in hypothalamic cells, leading to an impairment in the response to endoplasmic reticulum stress	<i>IDC Alves Martins (Brazil)</i>
15:15-15:30	AS01.05	Recruited CXCR3 immune cells to the hypothalamus protect against high-fat diet-induced body mass gain and metabolic dysfunction	<i>N Ferreira Mendes (Brazil)</i>
15:30-15:45	AS01.06	Nutritional ketosis modulates the methylation of cancer-related genes in patients with obesity and in breast cancer cells	<i>AB Crujeiras (Spain)</i>

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14:15-15:30

T2 Abstract Session: Environment and Policy

SALA GRANDE

Chairs: Emma Boyland (UK), Jeroen Lakerveld (Netherlands)

14:15-14:30

AS02.02

The extent and nature of digital food marketing via videogame livestreaming platforms and its impact on eating behaviour in young people

R Evans (UK)

14:30-14:45

AS02.03

The association between children's self-reported exposure to food marketing in community sports settings and their views of food company sponsorship of children's sports

E Pauzé (Canada)

14:45-15:00

AS02.04

Viewpoints on national food environment policies in the Dutch newspaper discourse: an interpretative media content analysis

J Mackenbach (Netherlands)

15:00-15:15

AS02.05

Knowledge and opinions about overweight and health in the Danish population 2023: a population-based cross-sectional study

SDM Lourenço (Denmark)

15:15-15:30

AS02.06

Providing a common language for obesity: The European Association for the Study of Obesity obesity taxonomy

L Schreurs (Belgium)

14:15-15:45

T3 Abstract Session: Treatment of Obesity in Children and Adolescents

SALA PERLA

Chairs: Julie Aarestrup (Denmark), Cristina Cadenas Sanchez (Spain)

14:15-14:30

AS03.01

The effectiveness and feasibility of early childhood obesity treatment: A randomised controlled trial for overweight and obesity in three countries, the STOP project

P Nowicka (Sweden)

14:30-14:45

AS03.02

Family-based behavioral treatment of children with obesity - Results from the FABO study

HF Skjåkdegård (Norway)

14:45-15:00

AS03.03

Barriers and Facilitators for Paediatric Obesity Management in Healthcare: Health Professional and Health Leader Perspectives

N Arthurs (Ireland)

15:00-15:15

AS03.04

Associations of childhood BMI, general and visceral fat mass with metabolite profiles at school-age

MC Schipper (Netherlands)

15:15-15:30

AS03.05

Long-term effects of childhood obesity management - a 6-year follow-up of The HOLBAEK Model

C Fonvig (Denmark)

15:30-15:45

AS03.06

Sex differences in depression and eating disorders in adolescents participating in a weight management trial: Fast Track to Health

H Jebeile (Australia)

12 MAY 2024, **SUNDAY**

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14:15-15:45

T4 Abstract Session: Novel Treatments

SALA DARSENA

Chairs: Lubomira Fabryova (Slovakia), Silvia Bettini (Italy)

14:15-14:30

AS04.01

Safety and Efficacy of Combined Activin A and Myostatin Blockade in Healthy Volunteers: A Phase 1 Trial

D Gonzalez Trotter (US)

14:30-14:45

AS04.02

Increasing GLP1-RA efficacy by targeting non-coding RNA: a combinatory approach to develop a more effective therapeutic paradigm

R Panella (Denmark)

14:45-15:00

AS04.03

Survodutide, a glucagon receptor/glucagon-like peptide-1 receptor (GCGR/GLP-1R) dual agonist, improves metabolic risk factors in adults living with obesity: analysis of a placebo-controlled, randomised phase 2 trial

C Le Roux (Ireland)

15:00-15:15

AS04.04

Treatment with HS200, a Novel Co-formulation of a GLP-1 Receptor Agonist with a Potent Activin and GDF Inhibitor, Results in Fat-Selective Weight Loss

M O'Connor (Canada)

15:15-15:30

AS04.05

CagriSema driven weight loss in diet-induced obese rats depends on counter-regulation of weight loss associated reduction in energy expenditure

RE Kuhre (Denmark)

15:30-15:45

AS04.06

Impact of setmelanotide on metabolic syndrome risk in patients with Bardet-Biedl syndrome

K Clément (France)



15:45-16:15

COFFEE BREAK/COMMERCIAL EXHIBITION

16:15-17:45

Industry Supported Session 2 To view details please visit:
<https://www.eco2024.org/?p=industry-symposia>

SALA GRANDE

16:15-17:45

Industry Supported Session 3 To view details please visit:
<https://www.eco2024.org/?p=industry-symposia>

SALA PERLA

16:15-17:45

Industry Supported Session 4 To view details please visit:
<https://www.eco2024.org/?p=industry-symposia>

SALA DARSENA

17:45-18:45

EASO - Novo Nordisk Foundation Obesity Prize for Excellence session:
Challenges and Opportunities in Childhood Obesity

SALA DARSENA

Chairs: Jason Halford (UK), Arne Astrup (Denmark)

17:45-17:50

Welcome from EASO

J Halford (UK)

17:50-18:00

Introduction to NNF Obesity Unit

A Astrup (Denmark)

18:00-18:05

Presentation of Excellence Prize to Antje Körner

18:05-18:15

Introductory Video

18:15-18:45

Excellence Prize Lecture, "Challenges and Opportunities in Childhood Obesity"

A Körner (Germany)

18:45-19:15

ECO2024 Opening Ceremony

SALA DARSENA

19:15-20:15

ECO2024 Welcome Reception

EXHIBITION HALL

13 MAY 2024, MONDAY

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TRACK 4

08:30-09:15 PLENARY SESSION

08:30-09:15 Track 3 Plenary Lecture: Socioeconomic Position and Obesity **SALA DARSENA**

Chairs: Louise Baur (Australia), Jennifer L Baker (Denmark)

08:30-09:15 PL1 Socioeconomic Position and Obesity *D Bann (UK)*

09:30-11:00 TOPIC SESSION

09:30-11:00 T1 Topic Session: Liver Phenotypes in Obesity **SALA VOLPI**

Chair: Stefania Camastra (Italy)

09:30-10:00 TS05.01 Personalized Proteomics Signature of Obesity and Type 2 Diabetes *A S Deshmukh (Denmark)*

10:00-10:30 TS05.02 Circadian Clocks in Hepatocytes Affect Metabolism *S Luquet (France)*

10:30-10:45 TS05.03 Pentraxin-3 as the marker of inflammation in steatohepatitis (MASH) in older adult population - results from the PoSenior2 substudy *J Chudek (Poland)*

10:45-11:00 TS05.04 A formulation of N-acyl ethanolamines and phenolic compounds dampens liver metabolic and oxidative damage in high-fat diet fed obese mice: in vivo and in vitro studies *C Pirozzi (Italy)*

09:30-11:00 T2 Topic Session: Behavioural and Nutritional Consequences of Next-Generation Pharmacotherapy **SALA GRANDE**

Chairs: Jason Halford (UK), Sami Schiff (Italy)

09:30-10:00 TS06.01 Current and Emerging Obesity Medications: Behavioural Mechanisms of Action - What We Know and What We Don't *C Roberts (UK)*

10:00-10:30 TS06.02 Overcoming obesity: the discovery of multi receptor drugs *M Tschöp (Germany)*

10:30-11:00 Discussion

09:30-11:00 T3 Topic Session: Overview of Paediatric Obesity Treatment Guidelines **SALA PERLA**

Chairs: Maria Bryant (UK), Anita Morandi (Italy)

09:30-09:50 USA *A Kelly (US)*

09:50-10:10 Canada *B Johnston (Canada)*

10:10-10:30 Sweden *P Nowicka (Sweden)*

10:30-10:50 TS07.01 Overview of Paediatric Obesity Treatment Guidelines. Italian Consensus Statement *C Maffei (Italy)*

10:50-11:00 Discussion

13 MAY 2024, **MONDAY**

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09:30-11:00	T4 Topic Session: Obesity in Women across the Lifespan		SALA DARSENA
	Chairs: Andreea Ciudin (Spain), Barbara McGowan (UK)		
09:30-10:00	TS08.01	Physiology and Obesity During the Woman's Lifespan	<i>M Monteiro (Portugal)</i>
10:00-10:30	TS08.02	Obesity in women: across the lifespan	<i>S Suliman (UAE)</i>
10:30-11:00		Discussion	
11:00-11:45	COFFEE BREAK AND TOP G-COMMUNICATIONS		
11:10-11:30	Track 1 Moderated Discussion		SALA MOSAICI 2
	Chairs: Gabriella Milan (Italy), Maria Del Mar Malagon (Spain)		
11:10-11:15	GC1.001	Differentially expressed plasma N-Glycoproteomics in monozygotic twin pairs discordant for BMI	<i>M Muniandy (Finland)</i>
11:15-11:20	GC1.002	Detrimental effects of obesity on the brain: causal implication of the white adipose tissue	<i>F Seidel (Netherlands)</i>
11:20-11:25	GC1.003	Relationship between expression of clock genes in liver and visceral adipose tissue and metabolic parameters in patients with severe obesity candidates for bariatric surgery	<i>S Ledoux (France)</i>
11:25-11:30	GC1.008	GDF15 is dispensable for the insulin-sensitizing effects of exercise	<i>C Moro (France)</i>
11:10-11:25	Late Breaking Moderated Discussion		SALA MOSAICI 2
	Chair: Dilek Yazıcı (Türkiye)		
11:10-11:15	LBC1.03	Mapping the brain feeding circuitry activated by cagrilintide, semaglutide and CagriSema in mice	<i>TA Lutz (Switzerland)</i>
11:15-11:20	LBC2.02	A qualitative framing analysis of the role of parents and families in English obesity policy documents 2010 - 2020	<i>A Smith (UK)</i>
11:20-11:25	LBC2.03	Healthcare costs associated with overweight and obesity at an individual versus a population level - a HUNT study	<i>GMW Bjørnelv (Norway)</i>

13 MAY 2024, MONDAY

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11:10-11:35

Track 3 Moderated Discussion

SALA MOSAICI 2

Chairs: Petur Juliusson (Norway), Eugenia Romano (UK)

11:10-11:15

GC3.001

"A balancing act": Parents' longitudinal perspectives of weight-related discussions with their children following obesity treatment

M Sjunnestrund (Sweden)

11:15-11:20

GC3.002

Using Non-Violent Resistance (NVR), a relational approach to parenting for children with complex obesity-a review of engagement and feedback

J Dove (UK)

11:20-11:25

GC3.003

Breaking down barriers: a family-centred approach to supporting children and young people living with excess weight through the development of an outreach event

S Say (UK)

11:25-11:30

GC3.004

Food Habits among Children and Adolescents with Obesity and Parental Nutritional Knowledge Prior to Receiving Paediatric Obesity Treatment

N Arthurs (Ireland)

11:30-11:35

GC3.136

Food Insecurity and childhood obesity: exploring potential dietary and psychological mechanisms

AR Kininmonth (UK)

11:10-11:30

Track 4 Moderated Discussion

SALA MOSAICI 2

Chairs: Albert Lecube (Spain), Jozef Ukropec (Slovakia)

11:10-11:15

GC4.002

The Study of How Adiposity in Pregnancy has an Effect on outcomeS (SHAPES) Cohort: a comparison of BMI and anthropometric assessment of adiposity in early pregnancy

N Heslehurst (UK)

11:15-11:20

GC4.003

Obesity-associated gut microbiota and its impact on the metabolome

P Aranaz (Spain)

11:20-11:25

GC4.004

Effects of a VLCKD on body composition and gut microbiota in subjects with overweight with or without IBS

C Di Rosa (Italy)

11:25-11:30

GC4.351

Relevance of Body Weight and Weight Change on Cardiovascular Benefit with Semaglutide: A Pre-specified Analysis of the SELECT Trial

J Deanfield (UK)

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11:45-13:15

ABSTRACT SESSIONS

11:45-13:15

T1 Abstract Session: Adipose Tissue

SALA VOLPI

Chairs: Mikael Ryden (Sweden), Gabriella Milan (Italy)

11:45-12:00	AS05.01	Sex differences in subcutaneous adipose tissue transcriptome in obesity – a study of monozygotic twin pairs discordant for BMI	H Haltia (Finland)
12:00-12:15	AS05.02	Adipose Cellularity Predicts Long Term Weight Changes	P Arner (Sweden)
12:15-12:30	AS05.03	Adipocyte-specific ROR alpha invalidation favors adipocyte hypertrophy in obesogenic conditions	AVA Dupré (France)
12:30-12:45	AS05.04	How does Di(isononyl) cyclohexane-1,2-dicarboxylate (DINCH) effects adipogenesis and metabolism <i>in vivo</i> ?	S Krupka (Germany)
12:45-13:00	AS05.05	Activation of a non-neuronal cholinergic system in visceral white adipose tissue of mice and humans with obesity	I Severi (Italy)
13:00-13:15	AS05.06	Role of Thromboxane A2 in the whitening/browning of adipocytes	L Contu (France)
11:45-13:00	EASO - Novo Nordisk Foundation 2023 New Investigators Awards Update Session		SALA GRANDE
Chairs: Lubomira Fabryova (Slovakia), Georgia Colleluori (Italy)			
11:45-11:50	Welcome from EASO		L Fabryova (Slovakia)
11:50-11:55	Introduction to NNF Obesity Unit		A Søgaard Helbo (Denmark)
11:55-12:15	2023 New Investigator winner in Basic Science		C Folgueira Cobos (Spain)
12:15-12:35	2023 New Investigator winner in Clinical Research		S Heinonen (Finland)
12:35-12:55	2023 New Investigator winner in Childhood Obesity		C Cadenas-Sanchez (Spain)
11:45-13:15	T3 Abstract Session: Early Life Risk Factors for Obesity		SALA PERLA
Chairs: Anita Morandi (Italy), Nicola Heslehurst (UK)			
11:45-12:00	AS06.01	Maternal Exposure to Endocrine-Disrupting Chemicals: Analysis of Their Impact on Infant Gut Microbiota Composition	F Loperfido (Italy)
12:00-12:15	AS06.02	Ambient air pollution and body mass index from infancy to later childhood in 10 European birth cohorts	S Warkentin (Spain)
12:15-12:30	AS06.03	Associations between exposure to perfluoroalkyl substances at preconception and BMI z-scores in children from Singapore	NJ Cohen (US)
12:30-12:45	AS06.04	Pediatric obesity increases the risk of early Multiple Sclerosis: A prospective cohort study	E Hagman (Sweden)
12:45-13:00	AS06.05	Formula feeding as a Response to Early Infant Weight Gain: Insights from the Gemini Twin Study	K Tommerup (UK)
13:00-13:15	AS06.06	Associations of maternal lifestyle factors with inadequate pregnancy weight gain: findings from the baseline data of the LIMIT prospective cohort study	D El Masri (Italy)

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11:45-13:15

Joint Session EASO/EASD Is Diabetes an Adiposity Based Disease?

SALA DARSENA

Chairs: Tina Vilsbøll (Denmark), Paolo Sbraccia (Italy)

11:45-12:05 JS1.01

What we learned from the DiRECT trial?

R Taylor (UK)

12:05-12:25

Bariatric Surgery and Diabetes Remission?

B McGowan (UK)

12:25-12:45

Is there a role for the new generation AOM for preventing diabetes?

T Vilsbøll (Denmark)

12:45-13:05 JS1.02

Moving from beta-cell to brain to treat diabetes.

M Ryden (Sweden)

13:05-13:15

Discussion

11:45-13:15

EASO Physical Activity, Fitness and Function Working Group

SALA MOSAICI 1

Chairs: Grace O'Malley (Ireland), Jean-Michel Oppert (France)

11:45-12:05 ES3.01

Fat-free mass and physical activity as determinants of energy intake and appetite control: implications for sedentariness and obesity

J Blundell (UK)

12:05-12:25 ES3.02

Physical activity/exercise to improve physical function and general health after bariatric surgery.

J M Oppert (France)

12:25-12:40 ES3.03

Cardiopulmonary exercise test in people with obesity: a deep insight in functional limitation.

F Battista (Italy)

12:40-12:55

Physical activity and exercise benefits during obesity management: PLWO perspective

M M Graff (Norway)

12:55-13:15

Discussion

13:15-14:15

LUNCH BREAK

13:45-15:15

New Technologies for Obesity Science: from research to clinical applications

SALA VOLPI

Chairs: Gijs Goossens (Netherlands), Gabriella Milan (Italy)

13:45-14:05 SS1.01

The identification of a novel cell type with multipotency properties in Human Adipose tissue using single cell technologies

S Nielsen (Denmark)

14:05-14:25

OMICs approaches for personalized medicine in obesity and metabolic diseases

C Wolfrum (Switzerland)

14:25-14:45 SS1.02

The characteristics of a diagnostic test: the experience of Laboratory Medicine

M Plebani (Italy)

14:45-15:15

Discussion

13:45-15:15

Industry Supported Session 5 To view details please visit:
<https://www.eco2024.org/?p=industry-symposia>

SALA GRANDE

13:45-15:15

Industry Supported Session 6 To view details please visit:
<https://www.eco2024.org/?p=industry-symposia>

SALA PERLA

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13:30-15:00		WHO Joint Session / Ongoing work to prevent and manage obesity in the WHO European Region	SALA DARSENA
		Chair: Kremlin Wickramasinghe (Denmark)	
13:30 - 13:40		Welcoming words	<i>K Wickramasinghe (Denmark)</i>
13:40 - 14:00	JS2.01	Overweight and obesity in 7- to 9-year-old children from 26 countries: preliminary results of the World Health Organization European Childhood Obesity Surveillance Initiative-COSI 2021-2023	<i>M Buoncristiano (Denmark)</i>
14:00 - 14:15	JS2.02	Mapping and prioritizing obesity management services in Europe	<i>M J Gregorio (Portugal)</i>
14:15 - 14:30	JS2.03	Policy actions for reducing obesity in WHO Europe: an overview of recent developments from prevention to management	<i>K Wickramasinghe (Denmark)</i>
14:30 - 14:55		Interactive Q&A and discussion session	<i>J Williams (Denmark)</i>
14:55 - 15:00		Closure	<i>K Wickramasinghe (Denmark)</i>
15:15-16:00		PLENARY LECTURE	
15:15-16:00		Special Plenary Lecture: Taking off the Mask of Obesity	SALA DARSENA
		Chairs: Avi Karasik (Israel), Solveig Sigurdardottir (Iceland)	
15:15-15:30		The Mask that I Wear	<i>A Constantin (France)</i>
15:30-16:00		From Obesity to Obesities	<i>G Frühbeck (Spain)</i>
16:00-17:00		COFFEE BREAK AND TOP G-COMMUNICATIONS	
16:10-16:35		Track 1 Moderated Discussion	SALA MOSAICI 2
		Chair: Gianluca Gortan Cappellari (Italy)	
16:10-16:15	GC1.005	Role of lncRNAs in the differentiation of human pediatric adipocytes through Wnt pathway	<i>C Berardo (Italy)</i>
16:15-16:20	GC1.006	Vasorin regulates insulin signaling pathway in human adipocytes	<i>M Brandimonte-Hernández (Spain)</i>
16:20-16:25	GC1.007	Adipocyte glucocorticoid receptor restricts healthy adipose tissue expansion by repressing angiogenesis	<i>A Loubarresse (France)</i>
16:25-16:30	GC1.008	Rosiglitazone and its ability to enhance adipogenesis: a metabolomic and lipidomic analysis	<i>A Pilatone (Italy)</i>
16:30-16:35	GC1.009	The adipocyte response to ionizing radiations	<i>M Maffei (Italy)</i>

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16:10-16:25

Track 2 Moderated Discussion

SALA MOSAICI 2

Chairs: Dan Oieru (Israel), Sami Schiff (Italy)

16:10-16:15

GC2.001

Social inequity in health among individuals with severe obesity and multimorbidity

MF Hjorth (Denmark)

16:15-16:20

GC2.003

Experiences of healthcare professional delivery of opportunistic discussions about weight management in a mental health setting: a mixed methods design

AM Rodrigues (UK)

16:20-16:25

GC2.005

Overview of obesity in people with severe mental illnesses in Bulgaria, region of Ruse

T Mateva (Bulgaria)

16:10-16:35

Track 3 Moderated Discussion

SALA MOSAICI 2

Chair: Barbara Ukropcova (Slovakia)

16:10-16:15

GC3.013

Diagnostic value of soluble LEPR levels in the serum of patients with disease-causing biallelic {LEPR} variants

S Zorn (Germany)

16:15-16:20

GC3.014

Unraveling the relationship between head circumference and MC4R deficiency in children: a cohort study

EPL van der Walle (Netherlands)

16:20-16:25

GC3.015

Polygenic risk score improves prediction of childhood obesity in the Norwegian Mother, Father, and Child Cohort Study

JH Sundfjord (Norway)

16:25-16:30

GC3.137

Homozygous mutations in SREK1 linked to a new condition of syndromic obesity

S Saeed (France)

16:30-16:35

GC3.138

Are associations of adulthood overweight/obesity with mortality and incident cardiovascular disease and obesity-related cancer modified by comparative body weight at 10 years in the UK Biobank study?

W Johnson (UK)

16:10-16:30

Track 4 Moderated Discussion

SALA MOSAICI 2

Chair: Jean O'Connell (Ireland), Federico Vignati (Italy)

16:10-16:15

GC4.006

The impact of six weeks of moderate-intensity exercise training on circulating hepatokine concentrations in men with MASLD and impaired glycaemic regulation

SA Willis (UK)

16:15-16:20

GC4.007

Exercise Reduces Chronic Low-grade Inflammation in Adults with Obesity After Weight Loss: A Randomized Clinical Trial

HGA Alkhefagie (Denmark)

16:20-16:25

GC4.008

MAFLD Outperforms NAFLD in Distinguishing Subjects with Sarcopenia and Compromised Muscle Quality

YK Cho (South Korea)

16:25-16:30

GC4.009

BARRIERS-MASLD: Using a Multi-country Survey to Understand Diagnosis and Treatment Patterns for Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD) among Metabolically Focused Physicians in Europe

C Caussy (France)

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17:00-18:30

EASO AND ABSTRACT SESSIONS

17:00-18:30

T4 Abstract Session: Clinical Obesity

SALA VOLPI

Chair: Idit Dotan (Israel), Silvio Buscemi (Italy)

17:00-17:15

AS07.01

A New Paradigm that Contrasts with the Obesity Paradox: A Negative Association Between Obesity and Bone Mineral Content in Older Adults

M El Ghoch (Italy)

17:15-17:30

AS07.02

Changes in visceral adiposity modify the impact of weight loss on the 10-year risk of obesity-related complications: a population-based cohort study

L Busetto (Italy)

17:30-17:45

AS07.03

Perioperative kidney dysfunction in surgical patients with severe obesity and the impact of disability, functional capacity and comorbidities

N Smith (Australia)

17:45-18:00

AS07.04

Disrupted circadian-related rhythms in body temperature are linked to obesity

I Dozzani (Italy)

18:00-18:15

AS07.05

Hybrid Closed Loop in obesity: to each his own (algorithm)!

N Tecce (Italy)

18:15-18:30

AS07.06

Metabolic and coagulative response in septic patients with obesity: an observational-prospective study

L Molinari (Italy)

17:00-18:30

EASO Early Career Network Best Thesis Award Session

SALA GRANDE

Chairs: Lisa Heggie (UK), Cilius Fonvig (Denmark)

17:00-17:05

Welcome from the ECN Board

ECN Board

17:05-17:20

Best Thesis Candidate 1

R Evans (UK)

17:20-17:35

Best Thesis Candidate 2

S Jensen (Denmark)



17:35-17:50

Best Thesis Candidate 3

K Williamson (UK)

17:50-18:15

Guest Speaker

A Lecube (Spain)

18:15-18:20

Engagement in the ECN Network

18:20-18:30

Announcement of winner: EASO ECN Best Thesis award 2024

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17:00-18:30	SWEET Symposia. Barriers and Facilitators to the Use of Sweeteners and Sweetness Enhancers to replace Sugar	SALA PERLA
	Chairs: Jo Harrold (UK), Anne Raben (Denmark)	
17:00-17:10	A SWEET start - setting the scene	<i>J Halford (UK)</i>
17:10-17:20	Developing reduced sugar beverages and foods - challenges and solutions of using sweeteners and sweetness enhancers	<i>C Scott (US)</i>
17:20-17:35	Sugar replacement and appetite - what's the story?	<i>G Finlayson (UK)</i>
17:35-17:50	Sweeteners and weight management - what do we know?	<i>A Raben (Denmark)</i>
17:50-18:05	Population studies - what are they telling us?	<i>N Novita (Netherlands)</i>
18:05-18:20	Consumer perceptions - hitting the target?	<i>P Christiansen (UK)</i>
18:20-18:30	Plenary discussion (Q&A)	
17:00-18:30	EASO COMs Session: Guidelines and Implementation	SALA DARSENA
	Chairs: Paolo Sbraccia (Italy) Cheol-Young Park (South Korea)	
17:00-17:25	EASO Recommendations for the Staging, Diagnosis and Treatment of Obesity	<i>D Dicker (Israel)</i>
17:25-17:50	Unveiling the Process of Establishing Clinical Practice Guidelines for Obesity by KSSO	<i>J H Kang (South Korea)</i>
17:50-18:15	The Lancet Commission Definition of Obesity: Implications for Clinical Practice	<i>F Rubino (UK)</i>
18:15-18:30	Discussion	

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08:30-09:15 PLENARY SESSION

08:30-09:15 T1 Plenary Lecture

SALA DARSENA

Chairs: Volkan Yumuk (Türkiye), Rocco Barazzoni (Italy)

08:30-09:15 PL2 The expanding impact of central nervous system GLP-1 receptor signaling *D Drucker (Canada)*

09:30-11:00 TOPIC SESSION

09:30-11:00 T1 Topic Session: Skeletal Muscle Alterations in Obesity

SALA VOLPI

Chairs: Enzo Nisoli (Italy), Marco Sandri (Italy)

09:30-10:00 Implication of Mitochondrial Fusion and Fission in Skeletal Muscle Mass and Health *M Sandri (Italy)*

10:00-10:30 TS09.01 The role of stress-induced FGF21 and GDF15 in obesity *S Keipert (Sweden)*

10:30-10:45 TS09.02 MyoScreen™: a high-content-based discovery platform to model key metabolic processes in human skeletal muscle *M Flaender (France)*

10:45-11:00 TS09.03 HS235, a Precision-Engineered Activin and GDF Ligand Trap, Is A Novel Lean Mass-Preserving Treatment for Obesity *M O'Connor (Canada)*

09:30-11:00 T2 Topic Session: Mental Health, Disordered Eating, and Physical Activity

SALA GRANDE

Chairs: Amy Ahern (UK), Sami Schiff (Italy)

09:30-10:00 TS10.01 Integrated Treatment for Obesity and Binge Eating Disorder *R Dalle Grave (Italy)*

10:00-10:30 TS10.02 Programme-led and Focused Interventions for Eating Disorders *A Hill (UK)*

10:30-10:45 TS10.03 Associations of anxiety, insomnia and their comorbidity with weight variation and incident obesity *P Duquenne (France)*

10:45-11:00 TS10.04 Adherence to the Mediterranean diet and risk of anxiety and depression in people with obesity: a cross-sectional analysis *A Leone (Italy)*

09:30-11:00 T3 Topic Session: Intergenerational Transmission

SALA PERLA

Chairs: Paulina Nowicka (Sweden), Maria Angela Guzzardi (Italy)

09:30-10:00 Intergenerational Effects of Paternal Obesity *A Soubry (Belgium)*

10:00-10:30 TS11.01 Parental Behaviour Patterns and Obesity in Childhood *M Lecorguillé (France)*

10:30-10:45 TS11.02 Intergenerational effects in the associations between childhood BMI trajectories and adult coronary heart disease *J Aarestrup (Denmark)*

10:45-11:00 TS11.03 Maternal smoking, breastfeeding, and their interaction effect on children's BMI: The GECKO Drenthe and PIAMA birth cohorts *E Corpeleijn (Netherlands)*

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09:30-11:00	T4 Topic Session: Tailored Pharmacologic Therapy for Obesity		SALA DARSENA
	Chairs: Gabriella Lieberman (Israel), Valeria Guglielmi (Italy)		
09:30-10:00	Beyond Weight Loss: Added Benefits of Anti-Obesity Medications		<i>L Van Rossum (Netherlands)</i>
10:00-10:30	Different Targets for Different Patients		<i>A Jastreboff (US)</i>
10:30-10:45	TS12.01 Tirzepatide for the treatment of obesity reduced body weight across body mass index categories: post hoc analysis of the SURMOUNT 1-4 trials		<i>C Le Roux (Ireland)</i>
10:45-11:00	TS12.02 Long-term weight loss in the SELECT trial: semaglutide 2.4 mg vs placebo over 208 weeks in a global population of 17,604 participants		<i>D H Ryan (US)</i>
11:00-11:45	COFFEE BREAK AND TOP G-COMMUNICATIONS		
	Track 1 Moderated Discussion		SALA MOSAICI 2
	Chairs: Eleonora Poggiogalle (Italy), Maurizio Ragni (Italy)		
11:10-11:15	GC1.010 3,5-Diiodothyronine (T2) and 3,3',5-Triiodothyronine (T3) mitigate Brown Adipose Tissue Mitochondrial Dysfunction in obese mice: Implications for Therapeutic Strategies in Metabolic Diseases		<i>G Petito (Italy)</i>
11:15-11:20	GC1.011 Protective effect of Empagliflozin against palmitate-induced lipotoxicity through enhanced fatty acid oxidation and reduced stress signals		<i>S Y An (South Korea)</i>
11:20-11:25	GC1.012 Dietary essential amino acids improve metabolic flexibility and promote cardioprotection in a mouse model of heart failure with reduced ejection fraction		<i>M Ragni (Italy)</i>
11:25-11:30	GC1.013 Effect of an olive oil derived N-acylethanolamine mixture (OLALIAMID®) in obese mice: focus on adipose tissue-liver axis		<i>S Melini (Italy)</i>
11:30-11:35	GC1.014 Innovative approaches: phyto-probiotics as a therapeutic support for managing obesity-linked psoriasis		<i>A Chervet (France)</i>

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11:10-11:40

Late Breaking Moderated Discussion

SALA MOSAICI 2

Chairs: Marwan El Ghoch (Italy), Feray Akbas (Türkiye)

11:10-11:15

LBC1.01

The gut microbiome is a strong mediator of the impact of lifestyle on cardiometabolic phenotypes

K Clément (France)



11:15-11:20

LBC1.05

Regulated on Activation, Normal-T cell expressed and Secreted (RANTES/CCL5) levels: an association with epicardial adipose tissue thickness in women affected by abdominal obesity

C Dubini (Italy)

11:20-11:25

LBC1.06

The mechanosensor Piezo1 acts as an on-off switch in balancing the osteogenic and adipogenic potential of bone marrow mesenchymal stem cells

B Wang (Hong Kong)

11:25-11:30

LBC1.07

GLP-1: Investigating Its Role in Intestinal Barrier Integrity

A El Hamwi (France)

11:30-11:35

LBC2.01

Mediterranean-type diet adherence and body mass index through 20 years of follow-up: Results from the ATTICA cohort study (2002-2022)

E Damigou (Greece)

11:35-11:40

LBC4.01

Body weight reduction in women treated with tirzepatide by menopausal stage: A post hoc analysis from the SURMOUNT program

A Ciudin Mihai (Spain)

11:10-11:35

Track 3 Moderated Discussion

SALA MOSAICI 2

Chairs: Cilius Fonvig (Denmark), Maria Kalinkova (Bulgaria)

11:10-11:15

GC3.005

Physical activity and overnutrition amongst primary school children aged 8 - 11 years in Thika West Sub-County, Kenya

M W Mburu (Kenya)

11:15-11:20

GC3.006

Weight stigma prevalence, sociodemographic determinants, and associations with disordered eating in a representative sample of Spanish adolescents

D Anastasiadou (Spain)

11:20-11:25

GC3.007

The prevalence of obesity among a huge sample of 5-20 years old Jordanian children and adolescents based on CDC criteria

W Al Qerem (Jordan)

11:25-11:30

GC3.008

Weight trajectory patterns during three years of childhood obesity treatment: A Swedish prospective cohort study

R R Putri (Sweden)

11:30-11:35

GC3.139

Childhood weight trends in Bergen, Norway (2010-2022): Analysis of overweight, obesity, and severe obesity using data from routine child healthcare

P Juliusson (Norway)

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Track 4 Moderated Discussion

SALA MOSAICI 2

Chairs: Michal Kasher (Israel), Fernanda Velluzzi (Italy)

11:10-11:15

GC4.010

The Impact of Gastric Sleeve Surgery on the Relationship Between Adiponectin and Regional Fat Mass

A Sirbu (Romania)

11:15-11:20

GC4.011

Dietary intake of nutrients 5 years after gastric bypass vs. sleeve gastrectomy - an RCT

H Borgeraas (Norway)

11:20-11:25

GC4.012

Pragmatic vitamin and micronutrient supplementation strategy after bariatric surgery

S Ledoux (France)

11:25-11:30

GC4.013

Rs11110415 in the Farnesoid X-Receptor, a potential predictor of breast cancer risk in women after bariatric surgery?

F M Kristensson (Sweden)

11:30-11:35

GC4.014

Weight Loss Outcomes in Patients with Genetic Mutations linked to Morbid Obesity: a Comparative Analysis of Surgical and Non-Surgical Approaches

R Canello (Italy)

11:45-13:15

ABSTRACT SESSIONS

11:45-13:15

T1 Abstract Session: Interorgan Cross-Talk

SALA VOLPI

Chairs: Emanuel E Canfora (Netherlands), Antonio Giordano (Italy)

11:45-12:00

AS08.01

Transcriptomics on the Tip of Your Tongue: The contribution of salivary extra-cellular vesicles to taste-cell transcriptomics and eating behaviour in obesity

K Röhrborn (Germany)

12:00-12:15

AS08.02

Changes in liver metabolic pathways demonstrate efficacy of the combined dietary and microbial therapeutic intervention in MASLD mouse model

A F Babu (Finland)

12:15-12:30

AS08.03

The effects of LMK-235, an HDAC inhibitor, in diabetic skeletal muscle atrophy

S Y An (South Korea)

12:30-12:45

AS08.04

Skeletal Muscle Fiber Types as Predictors of Insulin Resistance in Individuals with Varying Degrees of Adiposity

C S Katsanos (US)

12:45-13:00

AS08.05

Aerobic exercise improves metabolic dysfunction and exercise performance through regulation of FNDC5 and Pgc1 α in obese mice: A study of exercise-induced skeletal muscle and adipose tissue adaptations

T J Chou (Taiwan)

13:00-13:15

AS08.06

Osteoarthritis and Obesity: Do Fibroblasts Matter?

W Hang (UK)

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11:45-13:15		T4 Abstract Session: News in Obesity Management Medications		SALA GRANDE
Chair: Luca Busetto (Italy)				
11:45-12:00	AS12.01	Semaglutide 2.4 mg efficacy and safety in people with obesity and knee osteoarthritis: results from the STEP 9 randomised clinical trial		<i>J Uddén Hemmingsson (Sweden)</i>
12:00-12:15	AS12.02	STEP 10 trial: semaglutide 2.4 mg provided a superior reduction vs placebo in body weight and reversion to normoglycaemia in participants with obesity and prediabetes		<i>B McGowan (UK)</i>
12:15-12:30	AS12.03	Tirzepatide reduced body weight and waist circumference in people with overweight or obesity regardless of disease duration: post hoc analysis of the SURMOUNT 1-4 trials		<i>D Mojdami (US)</i>
12:30-12:45	AS12.04	Tirzepatide and weight reduction in people with type 2 diabetes and overweight or obesity: a post-hoc analysis of the SURPASS trials		<i>P Sbraccia (Italy)</i>
12:45-13:00	AS12.05	Once-weekly Triple Receptor (GIP/GLP-1/Glucagon) Agonist Retatrutide (LY3437943): Efficacy and Safety in a 48-week Obesity Phase 2 Trial		<i>AM Jastreboff (US)</i>
13:00-13:15	AS12.06	Effect of oral non-peptide GLP-1 receptor agonist orforglipron (LY3502970) in participants with obesity or overweight: A Phase 2 study		<i>S Wharton (Canada)</i>
11:45-13:00		T3 Abstract Session: Perspectives in Paediatric Obesity		SALA PERLA
Chairs: Niamh Arthurs (Ireland), Anita Morandi (Italy)				
11:45-12:00	AS10.01	The association between early childhood dietary trajectories and later childhood weight status in Dutch children		<i>J Yang (Netherlands)</i>
12:00-12:15	AS10.02	Prediabetes and cardiometabolic risk in Danish children and adolescents with obesity		<i>C E Fonvig (Denmark)</i>
12:15-12:30	AS10.04	Identifying primary healthcare professionals' training needs for continuing professional development to support early childhood obesity prevention		<i>E House (Australia)</i>
12:30-12:45	AS10.05	Misperception of body size and association with body size dissatisfaction among early primary school children		<i>T L Drilen (Norway)</i>
12:45-13:00	AS10.06	The associations of sugar intake and its food sources in early childhood with children's body weight		<i>J Zou (Netherlands)</i>

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11:45-13:15

T4 Abstract Session: Nutritional Intervention

SALA DARSENA

Chair: Johanna Brix (Austria), Valerie Tikhonoff (Italy)

11:45-12:00

AS11.01

Resting energy expenditure estimation using CT body composition analysis by means of an automatic software coupled with artificial intelligence

A Ciudin (Spain)

12:00-12:15

AS11.02

Intuitive Eating as a Predictor of Weight Loss in Semaglutide 2.4 mg Treatment: Insights from a Cohort Study

J B Bonnet (France)

12:15-12:30

AS11.03

Economic evaluation of NHS England's low-calorie total diet replacement intervention for adults living with obesity and type 2 diabetes: evidence from real-world data and patient simulation modelling

A Martin (UK)

12:30-12:45

AS11.04

Effect of three-months 10-hour time-restricted eating on gastrointestinal transit in individuals at high risk of type 2 diabetes - the RESET randomized controlled trial

M M Jensen (Denmark)

12:45-13:00

AS11.05

The Roczen Programme - real world data of digitally-enabled, time restrictive eating programme on health outcomes in people with type 2 diabetes in the United Kingdom

L Falvey (UK)

13:00-13:15

AS11.06

Lower thiamine status and higher LDL cholesterol in adults voluntarily following low-carbohydrate diets versus those with higher carbohydrate intake: a cross-sectional comparative study

C Churuangsuk (UK)

11:45-13:15

T2 Abstract Session: Epidemiology and Population Studies

SALA MOSAICI 1

Chair: Lise Bjerregaard (Denmark)

11:45-12:00

AS09.01

The effect of pre-conception weight loss on fertility outcomes in women with excess weight: A systematic review, meta-analysis, and meta-regression

N Astbury (UK)

12:00-12:15

AS09.02

Duration of being breastfed in infancy and risks of coronary heart disease in adulthood

L G Bjerregaard (Denmark)

12:15-12:30

AS09.03

Risk of fatal and non-fatal coronary heart disease in relation to obesity in childhood and young adulthood

R Bramsved (Sweden)

12:30-12:45

AS09.04

Body mass index and risk of over 100 cancer forms and subtypes in 4.1 million individuals in Sweden: a pooled cohort study aiming to identify further obesity-related cancers

T Stocks (Sweden)

12:45-13:00

AS09.05

Sarcopenic obesity associated with all-cause mortality among older people: a population-based study

A Pinel (France)

13:00-13:15

AS09.06

Sarcopenic-obesity phenotype and its associated factors based on a sex-specific z-score tool

A Pinel (France)

14 MAY 2024, TUESDAY

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13:15-14:15	LUNCH BREAK		
13:45-15:15	Industry Supported Session 7 To view details please visit: https://www.eco2024.org/?p=industry-symposia		SALA VOLPI
13:45-15:15	Industry Supported Session 8 To view details please visit: https://www.eco2024.org/?p=industry-symposia		SALA GRANDE
13:45-15:15	Industry Supported Session 9 To view details please visit: https://www.eco2024.org/?p=industry-symposia		SALA PERLA
13:45-15:15	EASO/IFSO-EC Joint Symposium Present and future of bariatric/metabolic surgery in Europe		SALA DARSENA
	Chairs: Nicola Di Lorenzo (Italy), Volkan Yumuk (Türkiye)		
13:45-14:10	Can the new IFSO guidelines for bariatric/metabolic surgery be implemented in Europe?		<i>G Prager (Austria)</i>
14:10-14:35	Combining surgical and medical therapy for the best outcome		<i>A Pucci (UK)</i>
14:35-15:00	The emerging problem of surgical tourism		<i>C Parmar (UK)</i>
15:00-15:15	Round table discussion		<i>M Foletto (Italy), G O'Malley (Ireland), R Peterli (Switzerland), S Birney (Ireland), S Sigurdardottir (Iceland)</i>
13:45-15:15	IMI SOPHIA		SALA MOSAICI 1
	Chair: Carel Le Roux (Ireland)		
13:45-13:55	ES5 The Objectives of SOPHIA		<i>A Cali (Denmark)</i>
13:55-14:05	A Federated Database for Obesity Research		<i>M Ibberson (Switzerland)</i>
14:05-14:15	Q&A		
14:15-14:25	Identifying Predictors of Risk and Response Using Obesity Clusters		<i>T Sparsø (Denmark)</i>
14:25-14:35	Predictors of response (Bariatric surgery trajectory tool)		<i>F Pattou (France)</i>
14:35-14:45	Q&A		
14:45-14:55	Obesity in patients with type 1 diabetes		<i>B van der Schueren (Belgium)</i>
14:55-15:05	"We come to you with our stories because patient stories are important" - Co-creating safe spaces for expression of voice(s) in obesity research in the IMI2 SOPHIA study		<i>D McGillicuddy (Ireland)</i>
15:05-15:15	Q&A		

14 MAY 2024, TUESDAY

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TRACK 4

15:15-16:00

PLENARY LECTURE

15:15-16:00

Track 2 Plenary Lecture

SALA DARSENA

Chairs: Emma Boyland (UK), Bram Berntzen (Netherlands)

PL3 The "Exposome Hypothesis" and Obesity

M Blüher (Germany)

16:00-17:00

COFFEE BREAK AND TOP G-COMMUNICATIONS

16:10-16:35

Track 1 Moderated Discussion

SALA MOSAICI 2

Chair: Maria Angela Guzzardi (Italy)

16:10-16:15

GC1.015

Comparative microbiome study for metabolic health probiotic discovery

P Rasinkangas (Finland)

16:15-16:20

GC1.016

Comparative Efficacy of Full-Length and Partial 16S rRNA Gene Sequencing in Gut Microbiome Analysis of Children with Varied Weight Status

H H Chuang (Taiwan)

16:20-16:25

GC1.017

Comparative effects of viable and heat-inactivated *Lactobacillus rhamnosus* GG administration in the amelioration of diet-induced liver steatosis in rats

L Arellano García (Spain)

16:25-16:30

GC1.018

Impact of high-fat diet-induced obesity on triple-negative breast cancer metastatic potential through the modulation of the gut microbiota

N Dehaen (Belgium)

16:30-16:35

GC1.019

Gastrointestinal complaints after Roux-en-Y Gastric Bypass Surgery. Impact of microbiota and its metabolites

E Custers (Netherlands)

Track 2 Moderated Discussion

SALA MOSAICI 2

Chairs: Charlotte Hardman (UK), Sinem Kiyıcı (Türkiye)

16:10-16:15

GC2.009

Influences on excess weight gain in 0-5 year olds: A co-produced stakeholder systems map

A Foster (UK)

16:15-16:20

GC2.010

Air pollution and risk of overweight and obesity in a large real-world data of adult population

A Palomar Cros (Spain)

16:20-16:25

GC2.012

Behavioural Susceptibility to Eating Disorders: Examining Shared Genetic Aetiology Underlying Appetite and Eating Disorder Symptoms During Adolescence in the Gemini Twin Cohort

Z Nas (UK)

16:25-16:30

GC2.013

Public support for obesity policies; findings from a national survey on the island of Ireland

E Spyrelli (UK)

14 MAY 2024, TUESDAY

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16:10-16:35

Track 3 Moderated Discussion

SALA MOSAICI 2

Chairs: Batya Korenboim (Israel), Melania Manco (Italy)

16:10-16:15

GC3.009

Breastfeeding and cardiometabolic health at 9-11 years of age: findings from the ROLO longitudinal birth cohort study

S Callanan (Ireland)

16:15-16:20

GC3.010

Influence of mother's country of birth on early childhood BMI z-scores in Victoria, Australia

M Nichols (Australia)

16:20-16:25

GC3.011

The effects of ectopic ASIP (agouti signaling protein) on adipocyte development and metabolism (in vitro)

O Karges (Germany)

16:25-16:30

GC3.012

Chronoexercise around Meals and Energy Intake in Youth - The Importance of Considering Sex and Activity Levels

M E Mathieu (Canada)

16:30-16:35

GC3.140

The circadian distribution of energy intake and physical activity and its associations with weight status in Portuguese children and adolescents from the National Food, Nutrition and Physical Activity Survey 2015-2016

S Vilela (Portugal)

16:10-16:35

Track 4 Moderated Discussion

SALA MOSAICI 2

Chairs: Alper Sönmez (Türkiye), Maurizio De Luca (Italy)

16:10-16:15

GC4.015

Guidance for the phased introduction of new medical therapies for weight management: A joint position statement by the Society for Endocrinology and Obesity Management Collaborative UK

L D Boyle (UK)

16:15-16:20

GC4.016

Serious adverse events and safety profile of semaglutide vs placebo in the SELECT study

D H Ryan (US)

16:20-16:25

GC4.017

Safety of SGLT2 inhibitors in kidney transplant recipients with diabetes mellitus

I Dotan (Israel)

16:25-16:30

GC4.018

Managing the new wave of weight loss medication in general practice: A qualitative study

P Andreassen (Denmark)

16:30-16:35

GC4.019

Pharmacological treatment of adult patients with genetic obesity: a real-world study

L van Rossum (Netherlands)

14 MAY 2024, TUESDAY

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TRACK 4

17:00-18:30

EASO SESSIONS

17:00-18:30

EASO Paediatric COMs Session

SALA VOLPI

Chairs: Jennifer Baker (Denmark), Tryggvi Helgason (Iceland)

17:00-17:15

Hôpital Universitaire de Genève, Switzerland

A Maggio (Switzerland)

17:15-17:30

University Hospital Brussels, Belgium

I Gies (Belgium)

17:30-17:45

Medical University of Silesia, Poland

PI Matusik (Poland)

17:45-18:00

Alder Hey CEW (Complications of Excess Weight) Service, UK

S Senniappan (UK)

18:00-18:15

University of Verona, Italy

A Morandi (Italy)

18:15-18:30

Bambino Gesù Children's Hospital, Italy

M Manco (Italy)

17:00-18:30

**EASO - Novo Nordisk Foundation
2024 New Investigators Awards Session**

SALA GRANDE

Chairs: Emma Boyland (UK), Emil Hidayatli (Azerbaijan)

17:00-17:05

Welcome from EASO

E Boyland (UK)

17:05-17:10

Presentation of New Investigator Award in Basic Science

B van der Kolk (Finland)

17:15-17:30

New Investigator Award in Basic Science Lecture

B van der Kolk (Finland)

17:30-17:35

Presentation of New Investigator Award in Clinical Research

B Martinez Tellez (Spain)

17:35-17:50

New Investigator Award in Clinical Research Lecture

B Martinez Tellez (Spain)

17:50-17:55

Presentation of New Investigator Award in Childhood Obesity

B Martinez Tellez (Spain)

17:55-18:10

New Investigator Award in Childhood Obesity Lecture

A Agbaje (Finland)

18:10-18:15

Presentation of New Investigator Award in Public Health

B Martinez Tellez (Spain)

18:15-18:30

New Investigator Award in Public Health Lecture

L Gray (UK)

14 MAY 2024, TUESDAY

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TRACK 4

17:00-18:30		Nutrition Education in Europe: Innovative Approaches	SALA PERLA
		Chairs: Cathy Breen (Ireland), Annemieke van Gienkel (Netherlands)	
17:00-17:30	SS2	Taste education intervention in children	<i>S Thorsteinsdottir (Iceland)</i>
17:30-18:00		From farm to fork: choices and behaviours. Food & Health	<i>M Thiene (Italy)</i>
18:00-18:30		UNESCO Strategies for global nutrition	<i>A Maria Colao (Italy)</i>
17:00-18:30		Joint Session EASO/ESC: The Impact of Obesity Management on Cardiovascular Outcomes	SALA DARSENA
		Chairs: Alexis Malavazos (Italy), Emeline Van Craenenbroeck (Belgium)	
17:00-17:20		MACE: GLP-1RA Vs. Metabolic Bariatric surgery as First line therapy? EASO	<i>D Dicker (Israel)</i>
17:20-17:40		What do SELECT results mean for cardiovascular care in PLWO? EASO	<i>P Sbraccia (Italy)</i>
17:40-18:00		Treating obesity to treat heart failure ESC	<i>M Petrie (UK)</i>
18:00-18:20		Does lifestyle intervention still have a role in treating obesity? ESC	<i>L van Rossum (Netherlands)</i>
18:20-18:30		Discussion	

15 MAY 2024, WEDNESDAY

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TRACK 4

08:30-09:15

PLENARY SESSION

08:30-09:15

Track 1 Plenary Lecture: Obesity and Cancer

SALA DARSENA

Chairs: Gema Frühbeck (Spain), Roberto Vettor (Italy)

08:30-09:15

PL4

Obesity and Cancer

P E Scherer (US)

09:30-11:00

TOPIC SESSIONS

09:30-11:00

T1 Topic Session: Gut Feelings in Obesity

SALA VOLPI

Chairs: Maria Angela Guzzardi (Italy), Philipp E Scherer (US)

09:30-10:00

TS13.01

Role of the Gut Microbiota on Energy Homeostasis

J Aron-Wisniewsky (France)

10:00-10:30

TS13.02

Metabolic Activity of the Microbiota: Turning the Invisible into Visible

P Iozzo (Italy)

10:30-10:45

TS13.04

Effect of uroguanylin and guanylin on the improvement of pancreas steatosis and β -cell function after bariatric surgery in an experimental model of diet-induced obesity

S Becerril (Spain)

10:45-11:00

TS13.03

Gain and Loss of Glucose-dependent Insulinotropic Polypeptide Receptor Signaling Modifies Gut Inflammation in Mice

R Hammoud (Canada)

09:30-11:00

T2 Topic Session: Ultra-Processed Foods: Fact or Fad?

SALA GRANDE

Chairs: Maria Hassapidou (Greece), Silvia Bettini (Italy)

09:30-10:00

TS14.01

Why is UPF so Controversial?

E Feskens (Netherlands)

10:00-10:30

TS14.02

Ultra-processed foods: from a concept to epidemiological evidence

E Vamos (UK)

10:30-11:00

TS14.03

Disentangling Brain Responses to Unprocessed and Processed Foods

C Coricelli (Germany)

09:30-11:00

T3 Topic Session: Immunomodulation

SALA PERLA

Chairs: Pawel Matusik (Poland), Margherita Maffei (Italy)

09:30-10:00

TS15.01

Gut Microbial Metabolites in Control of Body Weight and Insulin Sensitivity

E Canfora (Netherlands)

10:00-10:30

TS15.02

Obesity and Infection: a two way street

D Burgner (Austria)

10:30-10:45

TS15.03

Alterations in maternal nutritional and metabolic status only partially explain fetal growth restriction after sleeve gastrectomy and Roux-en-Y-gastric bypass

M Coupaye (France)

10:45-11:00

TS15.04

Maternal high-fat feeding drives CCR2 monocyte infiltration into the offspring's hypothalamus

N Ferreira Mendes (Brazil)

15 MAY 2024, WEDNESDAY

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09:30-11:00		T4 Topic Session: Nutrition Management and Physical Activity in Sarcopenic Obesity in the NCDs Era	SALA DARSENA
		Chairs: Lorenzo Donini (Italy), Jean-Michel Oppert (France)	
09:30-10:00	TS16.01	Nutritional Intervention and Skeletal Muscle Preservation During Weight Loss	<i>L Donini (Italy)</i>
10:00-10:30	TS16.02	Exercise is Medicine	<i>A Ermolao (Italy)</i>
10:30-10:45	TS16.03	Brown adipose tissue is associated with reduced weight loss and risk of cancer cachexia up to one year after diagnosis	<i>M Chondronikola (Greece)</i>
10:45-11:00	TS16.04	Comprehensive Multidisciplinary Weight Loss intervention for Patients with Severe Obesity: A Comparative Analysis in the Presence and Absence of Sarcopenia	<i>A Brunani (Italy)</i>
11:00-11:45		COFFEE BREAK AND TOP G-COMMUNICATIONS	
11:30-13:00		ABSTRACT SESSIONS	
11:30-13:00		T1 Abstract Session: Metabolic Homeostasis and Gender	SALA VOLPI
		Chairs: Gijs Goossens (Netherlands), Ilena Severi (Italy)	
11:30-11:45	AS13.01	Effects of intrauterine growth restriction (IUGR) on the hypothalamic proteome profiling of adult offspring male rats	<i>T Mutran (Brazil)</i>
11:45-12:00	AS13.02	Adipose insulin resistance differs between men and women with obesity	<i>D P Andersson (Sweden)</i>
12:00-12:15	AS13.03	Obesity and Insulin resistance is associated with induction of PTEN translation in diet induced models of obesity and is reversed by PTEN inhibition	<i>R Mukherjee (US)</i>
12:15-12:30	AS13.04	Maternal high-fat feeding triggers persistent hypothalamic CCR2 monocyte recruitment and long-term metabolic programming in offspring	<i>N Ferreira Mendes (Brazil)</i>
12:30-12:45	AS13.05	Untargeted analysis of circulating miRNAs profile before and after dietary weight loss interventions	<i>M Clemente Postigo (Spain)</i>

15 MAY 2024, WEDNESDAY

TRACK 1

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11:30-13:00

T2 Abstract Session: Obesity Costs & Inequalities

SALA GRANDE

Chairs: Johanna Ralston (US), Michele Carruba (Italy)

11:30-11:45 AS14.01 Modelling the economic burden of obesity onset in childhood and maintenance into adulthood from a cohort-perspective *S Reitzinger (Austria)*

11:45-12:00 AS14.02 Estimated economic impact of modelled weight loss in an English population eligible for bariatric surgery *D J Pournaras (UK)*

12:00-12:15 AS14.03 Economic evaluation of a simulated high-risk population based public health intervention against obesity using semaglutide *S Reitzinger (Austria)*

12:15-12:30 AS14.04 Socioeconomic and life-course risk factors for internalized weight stigma in adulthood: evidence from an English birth cohort study *A H Hughes (UK)*

12:30-12:45 AS14.05 The impact of overweight and obesity on absenteeism from work across 26 European countries: an analysis of EHS 3 microdata *S Eisenberg (Austria)*

12:45-13:00 AS14.06 Inequalities in healthcare costs according to comorbid obesity related complications in people living with obesity; a UK real world retrospective study *C Lübker (Denmark)*

11:30-13:00

T3 Abstract Session: Trends in Obesity in Childhood

SALA PERLA

Chairs: Maria Hassapidou (Greece), Teodora Handjjeva-Darlenska (Bulgaria)

11:30-11:45 AS15.01 Trends in overweight and obesity in Portuguese primary school children: a one and half decade of the COSI/WHO Europe study (2008-2022) *A I Rito (Portugal)*

11:45-12:00 AS15.02 Impact of the COVID-19 pandemic on trends of incidence of overweight and obesity in children and adolescents in Catalonia, Spain *A Pistillo (Spain)*

12:00-12:15 AS15.03 The Impact of COVID19 Pandemic in the Obesity in Children and Adolescents: A Cross-Sectional Study *S Hong (South Korea)*

12:15-12:30 AS15.04 The effectiveness of a national three-level model of obesity treatment in the paediatric population *I Stucin Gantar (Slovenia)*

12:30-12:45 AS15.05 Post COVID-19 Prevalence of Overweight and Obesity among 7-year-old Schoolchildren in Bulgaria, 2023 *V Duleva (Bulgaria)*

15 MAY 2024, WEDNESDAY

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11:30-13:00

T4 Abstract Session: Metabolic/Bariatric Surgery

SALA DARSENA

Chairs: Gerhard Prager (Austria), Mirto Foletto (Italy)

11:30-11:45

AS16.01

The effectiveness of bariatric metabolic surgery versus glucagon-like peptide-1 receptor agonists for the prevention of congestive heart failure

D Dicker (Israel)

11:45-12:00

AS16.02

Long-term weight regain after gastric bypass is associated with higher post-prandial GIP levels

S Andrade (Portugal)

12:00-12:15

AS16.03

High gain of meal-induced PYY secretion after sleeve gastrectomy can predict better long-term course of weight

S Ledoux (France)

12:15-12:30

AS16.04

The potential involvement of the orexigenic hormone insulin-like peptide 5 in human obesity and the modulatory effect of metabolic surgery: a novel journey in obesity pathophysiology

M Marchegiani (Italy)

12:30-12:45

AS16.05

Evaluation of bone changes after different bariatric surgery techniques using 3D-DXA

N Vilarrasa (Spain)

12:45-13:00

AS16.06

Association of Metformin continuation after bariatric surgery with relapse of Diabetes

O Reges (Israel)



13:00-13:45

CLOSING PLENARY LECTURE

13:00-13:45

Closing Plenary Session

SALA GRANDE

Chairs: Jason Halford (UK), Maria Del Mar Malagon (Spain)

13:00-13:45

PL5

Network Medicine, Artificial Intelligence, and Metabolic Disease

J Loscalzo (US)

13:45-14:15

Closing Ceremony and Abstract Award Presentation

SALA GRANDE

EASO

European Association for the Study of Obesity



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ON OBESITY

12-15 MAY 2024 VENICE, ITALY

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ADVERTISEMENTS

CME-accredited interactive session during ECO 2024, Venice, Italy

Patient-centred care in obesity: challenges and opportunities for multidisciplinary holistic management

Moderator:  Sarah Jarvis (UK)

Panel: Patient representatives, European Coalition for People Living with Obesity (ECPO)

 Melanie Davies (UK)

 Sven Francque (BEL)

 Naveed Sattar (UK)

Sunday,
12 May 2024

16:15-17:45 CEST
Sala Perla

- **16:15-16:22** **Welcome and introduction**
Sarah Jarvis (UK)
- **16:22-16:42** **Patient experience in 2024: challenges and expectations**
Sarah Jarvis (UK), ECPO members
- **16:42-17:15** **Evidence for targeting weight in 2024 and real-world experience**
 - From the cardiovascular point of view - *Naveed Sattar (UK)*
 - From the endocrinology point of view - *Melanie Davies (UK)*
 - From the hepatic point of view - *Sven Francque (BEL)*
- **17:15-17:35** **New opportunities for holistic management**
Sarah Jarvis (UK), panelists
- **17:35-17:45** **Summary and conclusion**

Educational objectives

- Outline the complexity of obesity and the burden it represents to society and patients
- Describe the physiological mechanisms underlying obesity and related liver and cardiovascular risks
- Address the limitations of current guideline-directed obesity management
- Review best practices regarding shared decision-making (SDM) and current multidisciplinary team-based care to limit hepatic and cardiovascular risks
- Discuss new opportunities for patient-centric approaches in the pharmacological and overall management of patients with obesity



Programme organised by the Translational Medicine Academy
This activity is supported by an independent medical educational grant from Boehringer Ingelheim



PLEASE JOIN US TO DISCUSS

Evolving Approaches to Optimizing Obesity Management



Date:
Sunday, 12 May 2024
16:15 – 17:45 CET



Location:
Venice Convention
Center
Sala Darsena

A Discussion Featuring:



Angela Fitch, MD, FACP, FOMA
Co-Founder and Chief Medical Officer – knownwell
President Obesity Medicine Association
Boston, USA



Arya M. Sharma, MD, FRCPC
Professor Emeritus
University of Alberta
Edmonton, Canada/Berlin, Germany

Agenda:

- Heterogeneous Drivers of Obesity:
Emotions, Hormones, and Habits, Oh My! Professor Arya Sharma
- Personalizing Obesity Management to Biological
and Behavioral Phenotypes..... Professor Angela Fitch
- Case Studies Reflecting the New Era of
Obesity Management..... Professors Fitch and Sharma
- Questions and Answers Professors Fitch and Sharma



Obesity – what’s behind the news headlines?

13 May 2024 | 13:45–15:15 CEST

Sala Perla, Venice Convention Center

**We are facing an
obesity epidemic!**

**SPECIALTY SILOS
ARE OUTDATED:**
The future of medicine is holistic!

NEW DRUGS WILL SAVE US!

What’s the reality?

Faculty:

**Prof Kamlesh Khunti, UK | Dr Sue Pedersen, Canada
Prof Elisabetta Bugianesi, Italy | Prof Timo Müller, Germany**

once weekly
mounjaro[®]
(tirzepatide) injection

**NOW APPROVED FOR
WEIGHT MANAGEMENT¹**



The **first and only treatment** activating both **GIP and GLP-1 receptors** that may help your patients achieve their **weight loss goals**^{1-3,*}



People taking Mounjaro 15 mg **significantly reduced their body weight** by a mean of 22.5% at 72 weeks^{2,†}



Cardiometabolic improvements were demonstrated in **key parameters** including systolic blood pressure, waist circumference, triglycerides, HDL cholesterol, and non-HDL cholesterol²

Visit the Mounjaro booth to learn more!

Sala Laguna
Palazzo del Casino, 3rd floor

WEIGHT MANAGEMENT

INDICATION STATEMENT¹

Mounjaro is indicated as an adjunct to a reduced-calorie diet and increased physical activity for weight management, including weight loss and weight maintenance, in adults with an initial BMI of

- $\geq 30 \text{ kg/m}^2$ (obesity) or
- $\geq 27 \text{ kg/m}^2$ to $< 30 \text{ kg/m}^2$ (overweight) in the presence of at least one weight-related comorbid condition (e.g., hypertension, dyslipidaemia, obstructive sleep apnoea, cardiovascular disease, prediabetes, or type 2 diabetes mellitus).

*The only registered GIP and GLP-1 receptor agonist for weight management; for details, please consult the prescribing information.¹ †Studied in adults with obesity (BMI of $\geq 30 \text{ kg/m}^2$) or overweight (BMI of $\geq 27 \text{ kg/m}^2$) with at least one obesity-related complication, excluding type 2 diabetes.² ‡All participants received lifestyle interventions, including a reduced-calorie diet and increased physical activity.² ††Obesity-related complications are used as a synonym to "weight-related complications and/or comorbidities"¹

BMI, body mass index; **GIP**, glucose-dependent insulinotropic polypeptide; **GLP-1**, glucagon-like peptide-1; **HDL**, high-density lipoprotein.

References: 1. Mounjaro (tirzepatide). Summary of Product Characteristics. February 2024. 2. Jastreboff AM, et al. N Engl J Med. 2022;387(3):205-16 (+Suppl. Appendix). 3. Willard FS, et al. JCI Insight. 2020;5(17):e140532.

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SmPC available at the booth.

Mounjaro non è commercializzato in Italia. Mounjaro is not commercialized in Italy.

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Lilly

Rhythm-sponsored Satellite Symposium

 **Date:**
14th May 2024

 **Time:**
13:45 - 15:15

 **Location:**
Sala Volpi

Precision medicine in treating leptin melanocortin-4 receptor (MC4R) pathway diseases: Addressing hyperphagia and early-onset, severe obesity

 **Speakers:**

Prof. Pietro Maffei (University of Padua, Italy)

Dr Metin Cefiner (University Clinic Essen, Germany)

 **Topics:**

- Genetic impairments in the MC4R pathway and their role in hyperphagia and early-onset, severe obesity
- Overview of MC4R pathway diseases, focusing on POMC, PCSK1 and LEPR deficiency
- The role of precision medicine in the management of monogenic MC4R pathway diseases
- Overview of MC4R pathway diseases, focusing on Bardet-Biedl Syndrome (BBS)
- The role of precision medicine in the management of BBS

May 14th

13:45

Perla room

Time to Go Beyond BMI: An Update from the Lancet Commission on Clinical Obesity

Lilly Symposium at the occasion of the
2024 European Congress of Obesity

13:45 **Welcome and introduction**

Rachel Batterham

13:50 **Obesity as a Disease:**

A controversial idea

Dror Dicker

14:00 **Pathophysiology of Obesity
and Genetic obesity**

John Wilding

14:20 **The Lancet Commission
on Clinical Obesity -
Methods and Aims**

Geltrude Mingrone

14:30

**Is Obesity Ill-conceived?
Why a Radical Reframing is
Needed to Improve Care and Policies**

Francesco Rubino

14:40

Panel discussion
All faculty and Vicky Mooney

15:10

Closing remarks
Rachel Batterham



Lilly

Support POST-BARIATRIC HYPOGLYCEMIA Research

PASIPHY Study (**P**asireotide in **P**ost-Prandial **H**ypoglycemia)

PASIPHY is a clinical trial for people living with Post-Bariatric Hypoglycemia (PBH).

It is a double-blind randomized placebo-controlled dose-finding phase II study to assess the efficacy and safety of pasireotide s.c. (a Somatostatin-analogue).



The study is assessing the safety and efficacy of subcutaneous pasireotide (Somatostatin-analogue) in patients who have had bariatric surgery at least six months ago and now experience low blood sugar levels after having meals.



Approximately 23 sites will be initiated in the US and Europe, targeting to enroll 72 patients.

We are inviting physicians in the US, Belgium, France, Italy, Spain, and the UK who are managing PBH patients to speak to us about the PASIPHY study.

For more information, please don't hesitate to contact us via email at medicalinformation-row@recordati.com or visit <https://clinicaltrials.gov/study/NCT05928390>

Best regards,

The Global Endocrinology Clinical Development Team
Recordati Rare Diseases



2024 EASO-Novo Nordisk Foundation Prize for Excellence Professor Antje Körner



Photo credit: Christian Hüller /
Universität Leipzig, SUK

12th May 17:45, Sala Darsena
Challenges and Opportunities in
Childhood Obesity

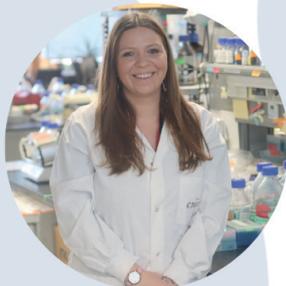
EASO



novo nordisk
foundation

EASO-Novo Nordisk Foundation 2023 New Investigator Awards Update Session

13th May 11:45, Sala Grande



Dr Cintia Folgueira Cobos
New Investigator Award
in Basic Science



Dr Sini Heinonen
New Investigator Award
in Clinical Research



Dr Cristina Cadenas-Sanchez
New Investigator Award in
Childhood Obesity

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31st EUROPEAN CONGRESS ON OBESITY

12-15 MAY 2024 VENICE, ITALY

www.eco2024.org

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Best Thesis Award Presentation

Monday 13 May
17:00, Sala Grande



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Join us for the
SWEET Symposium
Monday, 13th May
17:00, Sala Perla

SWEET

EASO-Novo Nordisk Foundation 2024 New Investigator Awards Session

14th May 17:00, Sala Grande



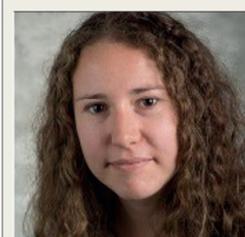
Birgitta van der Kolk
New Investigator Award in
Basic Science



Borja Martinez Tellez
New Investigator Award in
Clinical Research



Andrew Agbaje
New Investigator Award in
Childhood Obesity



Laura Gray
New Investigator Award in
Public Health

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**novo nordisk
foundation**

JOIN THE EASO EARLY CAREER NETWORK (ECN) AT #ECO2024!

Early career researchers, professionals, and student delegates are invited to join ECN activities across the congress.

 **Location: Early Career Network Lounge, Palazzo del Casinò, Third Floor**

DATE, TIME	ACTIVITY
Sunday 12th May, 13:00	Meet the ECN Board & make contacts for ECO2024
Monday 13th May, 13:30	Networking bingo! Meet other early career people across obesity disciplines
Tuesday 14th May, 13:30	Listen to interviews with patient representatives & researchers on the importance of networking to enhance obesity research & practice

Early career delegates are welcomed to use the ECN Lounge throughout ECO2024 as a place to meet and connect with others.

Join the EASO ECN WhatsApp Group

Stay in touch with the ECN throughout #ECO2024 via the EASO ECN WhatsApp group. Use this group as a place to ask questions and connect with others in the field. Scan the QR code to join!



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PLENARY LECTURES

PLENARY LECTURES

- | | |
|-----|---|
| PL1 | Socioeconomic Position and Obesity
<i>David Bann</i> |
| PL2 | The expanding impact of central nervous system GLP-1 receptor signaling
<i>Daniel Drucker</i> |
| PL3 | The Exposome Hypothesis and Obesity
<i>Matthias Blüher</i> |
| PL4 | Obesity and Cancer
<i>Philipp Scherer</i> |
| PL5 | Network Medicine, Artificial Intelligence, and Metabolic Disease
<i>Joseph Loscalzo</i> |

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EASO SESSION

EASO SESSION

- ES1.01 The Eating Disorders In weight-related Therapy (EDIT) Collaboration: understanding complex interventions**
Natalie Lister, Rabia Khalid, Samantha Pryde, Isabelle Jardine, Brittany Johnson, Hiba Jebile, On Behalf Of The Eating Disorders In Weight Related Therapy Collaboration
- ES1.02 The role of psychological trauma in obesity and other cardiometabolic conditions**
Unnur Anna Valdimarsdóttir
- ES2.01 Mechanisms linking adiposity and cardiovascular disease**
Naveed Sattar
- ES2.02 Energy expenditure and BAT (indirect calorimetry and thermography)**
Andreea Ciudin
- ES2.03 The heart (epicardial adipose tissue and coronary TC)**
Alexis Elias Malavazos
- ES3.01 Fat-free mass and Physical Activity as determinants energy intake and appetite control: implications for sedentariness and obesity**
John Edward Blundell
- ES3.02 Physical activity/exercise to improve physical function and general health after bariatric surgery**
Jean Michel Oppert
- ES3.03 Cardiopulmonary exercise test in people with obesity: a deep insight in functional limitation**
Francesca Battista
- ES4 SWEET Symposia. Barriers and Facilitators to the Use of Sweeteners and Sweetness Enhancers to replace Sugar**
Joanne A. Harrold, Corey Scott, J. Alfredo Martinez, Anne Raben, Edith J.M. Eskens, Richard J. Murphy, Sharron Kuznesof, Monique Raats, George Nychas, Jason C.G. Halford, on behalf of the SWEET Consortium
- ES5 Stratification of Obesity Phenotypes to Optimise Future Therapy: the IMI SOPHIA project**
Anna Cali, Mark Ibberson, Thomas Sparso, Francois Pattou, Deidre Mcgillicuddy, Bart Van Der Schueren, Carel Le Roux

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JOINT SESSION

JOINT SESSION

JS1.01 **What we learned from the DiRECT trial**
Roy Taylor

JS1.02 **Moving from beta-cell to brain to treat diabetes**
Mikael Bydén

Overweight and obesity in 7- to 9-year-old children from 26 countries: preliminary results of the World Health Organization European Childhood Obesity Surveillance Initiative-COSI 2021-2023
Mirjam M. Heinen, Marta Buoncristiano, Julianne Williams, Shynar Abdrakhmanova, Wolfgang Ahrens, Dilorom Akhmedova, Mustafa Kemal Başaralı, Lacramioara Brinduse, Vesselka Duleva, Ronit Endevelt, Rosemarie Felder-Puig, Anna Gualtieri, Andrea Gualtieri, Maria Hassapidou, Tatjana Hejgaard, Jolanda Hyska, Natia Kakutia, Enisa Kujundžić, Cecily Kelleher, Eliza Markidou Ioannidou, Päivi Mäki, Tereza Metelcova, Sanja Musić Milanović, Paola Nardone, Eha Nurk, Ausra Petrauskiene, Iveta Pudule, Maria-Victoria Racu, Ana Rito, Yaiza Rivero Rito, Kenisha Russel Jonsson, Nabil Seyidov, Olena Nesterova, Nurzhamal Sheisheeva, Igor Spiroski

JS2.02 **Mapping and prioritizing obesity management services in Europe**
Maria Joao Gregorio, Mirjam Heinen, Melek Bulanik, Toker Ergüder, Jørgen Johnsen, Francesca Celletti, Julianne Williams, Kremlin Wickramasinghe

JS2.03 **Policy actions for reducing obesity in WHO Europe: an overview of recent developments from prevention to management**
Kremlin Wickramasinghe, Mirjam M. Heinen, Marta Buoncristiano, Clare Farrand, Holly Rippin, Stephen Whiting, Julianne Williams

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SPECIAL SESSION

SPECIAL SESSION

- | | |
|--------|---|
| SS1.01 | The identification of a novel cell type with multipotency properties in Human Adipose tissue using single cell technologies
<i>Søren Nielsen</i> |
| SS1.02 | The characteristics of a diagnostic test: the experience of Laboratory Medicine
<i>Mario Plebani</i> |
| SS2 | Sensory-based Food Education for families of Fussy-Eating Children, with and without Neurodevelopmental Disorders
<i>Sigrun Thorsteinsdottir, Anna S. Olafsdottir</i> |

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TOPIC SESSION

TOPIC SESSION

- TS01.01** **Linking Obesity and Cancer**
Nils Halberg
- TS01.02** **Adipose stem cells reprogram the colon rectal cancer stem cells**
Giorgio Stassi, Simone Di Franco, Miriam Gaggianesi, Chiara Modica, Sebastiano Di Bella
- TS01.03** **The site-specific crosstalk between adipose tissue and tumor cells involves mitochondrial calcium signalling**
Elisabetta Trevellin, Agnese De Mario, Ilaria Piazza, Vincenzo Vindigni, Mirto Foletto, Rosario Rizzuto, Cristina Mammucari, Roberto Vettor
- TS01.04** **Immune-mediated tumor microenvironment remodeling depends on the high fat diet duration**
Sébastien Marlin, Stéphanie Rougé, Nicolas Goncalves Mendès, Adrien Rossary, Marie Chantal Farges
- TS02.01** **Dosing of antidepressants in relation to body weight in children and adolescents with overweight and obesity- a population-based study**
Julia Izsak, Elin E Kimland, Jari Martikainen, Elin Dahlén, Jenny M Kindblom
- TS02.02** **The impact of behavioural weight management interventions on eating behaviour traits in children with overweight or obesity: systematic review and meta-analysis**
Andrea Smith, Patricia Eustachio Colombo, Milindu Wickramarachch, Aiswarya Lakshmi, Laura Kudlek, Amy Ahern, Struan Tait, Natasha Reid, Rebecca Jones
- TS03.01** **Community food growing as an intervention to improve diet, wellbeing and food security**
Charlotte Hardman
- TS03.02** **Community Cooking Skills and Food Agency Interventions: Do They Increase Diet Quality?**
Julia A Wolfson
- TS03.03** **Are supermarket provided monetary top-ups of Healthy Start vouchers associated with increased purchases of fruits and vegetables in UK families with young children?**
Alison Fildes, Diogo Ann Onuselegu, Alexandra B Dalton, Madeleine R Thomas, Francesca Pontin, William Young, Michelle Morris
- TS03.04** **The impact of the cost of living crisis and food insecurity on food purchasing behaviours and food preparation practices in people living with obesity: insights from the FIO Food project**
Rebecca Ann Stone, Adrian Brown, Flora Douglas, Mark Green, Emma Hunter, Marta Lonnie, Alexandra Johnstone, Charlotte Hardman
- TS04.01** **Treating Obesity for Treating MAFLD**
Shira Zelber Sagi
- TS05.01** **Personalized Proteomics Signature of Obesity and Type 2 Diabetes**
Atul S Deshmukh
- TS05.02** **Circadian Clocks in Hepatocytes Affect Metabolism**
Serge Luquet, Anne Sophie Delbes, Mar Quiñones, Cédric Gobet, Julien Castel, Raphaël G. P Denis, Jérémy Berthelet, Benjamin D. Weger, Etienne Challet, Aline Charpagne, Sylviane Metairon, Julie Piccand, Marine Kraus, Bettina H. Rohde, John Bial, Elizabeth M. Wilson, Lise Lotte Vedin, Mirko E. Minniti, Matteo Pedrelli, Paolo Parini, Frédéric Gachon
- TS05.03** **Pentraxin-3 as the marker of inflammation in steatohepatitis (MASH) in older adult population – results from the PolSenior2 substudy**
Aleksander Jerzy Owczarek, Joanna Musialik, Adrian Stefanski, Małorzata Mossakowska, Katarzyna Ziemia, Andrzej Więcek, Jerzy Chudek, Magdalena Olszanecka Glinianowicz
- TS05.04** **A formulation of N-acyl ethanolamines and phenolic compounds dampens liver metabolic and oxidative damage in high-fat diet fed mice with obesity: in vivo and in vitro studies**
Claudio Pirozzi, Stefania Melini, Filomena Del Piano, Nicola Opallo, Federica Comella, Adriano Lama, Fabiano Cimmino, Maria Pina Mollica, Giuseppina Mattace Raso, Meli Rosaria
- TS06.01** **Current and Emerging Obesity Medications: Behavioural Mechanisms of Action - What We Know and What We Don't**
Carl Roberts

TOPIC SESSION

- TS06.02** **Overcoming obesity: the discovery of multi receptor drugs**
Matthias Tschöp
- TS07.01** **Overview of Paediatric Obesity Treatment Guidelines. Italian Consensus Statement**
Claudio Maffeis
- TS08.01** **Physiology and Obesity During the Woman's Lifespan**
Mariana P Monteiro
- TS08.02** **Obesity in women: across the lifespan**
Sara Suliman
- TS09.01** **The role of stress-induced FGF21 and GDF15 in obesity**
Susanne Keipert
- TS09.02** **MyoScreen™: a high-content-based discovery platform to model key metabolic processes in human skeletal muscle**
Mélanie Flaender, Giulio Morozzi, Antoine Martin Tissier, Lauriane Travard, Céline Massera, Guillaume Fargier, Oana Lorintiu, Erwann Ventre, Joanne Young, Valérie Autier, Luc Selig
- TS09.03** **HS235, a Precision-Engineered Activin and GDF Ligand Trap, Is A Novel Lean Mass-Preserving Treatment for Obesity**
Gauthier Schang, Mathilde Pujol De Molliens, Emile Brûlé, Cristina Chauvet, Jean Francois Denis, Ariane Sours, Vann Ganesh, Gilles Tremblay, Julia Schoefermann, Maureen O'Connor
- TS10.01** **Integrated treatment for obesity and binge eating disorder**
Riccardo Dalle Grave
- TS10.02** **Programme-led and focused interventions for eating disorders**
Andrew Hill
- TS10.03** **Associations of anxiety, insomnia and their comorbidity with weight variation and incident obesity**
Pauline Duquenne, Cécilia Samieri, Stéphanie Chambaron, Marie Claude Brindisi, Emmanuelle Kesse Guyot, Florine Berthy, Pilar Galan, Serge Hercberg, Mathilde Touvier, Damien Léger, Léopold K. Fezeu, Valentina A. Andreeva
- TS10.04** **Adherence to the Mediterranean diet and risk of anxiety and depression in people with obesity: a cross-sectional analysis**
Francesca Menichetti, Alberto Battezzati, Ramona De Amicis, Andrea Foppiani, Federica Sileo, Simona Bertoli, Alessandro Leone
- TS11.01** **Parental lifestyle patterns in the prenatal period and risk of childhood obesity**
Marion Lecorquillé, Mireille C Schipper, Aisling O'donnell, Adrien M Aubert, Muriel Tafflet, Malamine Gassama, Alexander Douglass, James R Hébert, James R Hébert, Cecily Kelleher, Marie Aline Charles, Marie Aline Charles, Catherine M Phillips, Romy Gaillard, Sandrine Lioret, Barbara Heude
- TS11.02** **Intergenerational effects in the associations between childhood BMI trajectories and adult coronary heart disease**
Julie Aarestrup, Lise Geisler Bjerregaard, Britt Wang Jensen, Jennifer Lyn Baker
- TS11.03** **Maternal smoking, breastfeeding, and their interaction effect on children's BMI: The GECKO Drenthe and PIAMA birth cohorts**
Mian Bao, Judith M. Vonk, Gerard H. Koppelman, Jolanda M. A. Boer, Torsten Plösch, Eva Corpeleijn
- TS12.01** **Tirzepatide for the treatment of obesity reduced body weight across body mass index categories: post hoc analysis of the SURMOUNT 1-4 trials**
Carel Le Roux, Louis J Aronne, Fatima Jaouimaa, Tammy Forrester, Madhumita Murphy, Luis Emilio García Pérez, Lisa M Neff
- TS12.02** **Long-term weight loss in the SELECT trial: semaglutide 2.4 mg vs placebo over 208 weeks in a global population of 17,604 participants**
Donna H. Ryan, Ildiko Lingvay, John Deanfield, Steven E. Kahn, Eric Barros, Bartolome Burguera, Helen M. Colhoun, Cintia Cercato, Deborah B. Horn, Kees Hovingh, Ole Kleist Jeppesen, Alexander Kokkinos, A. Michael Lincoff, Sebastian M. Meyhöfer, Tuğçe Kalayci Oral, Jorge Plutsky, André P. Van Beek, John Wilding, Robert F. Kushner
- TS13.01** **Role of the Gut Microbiota on Energy Homeostasis**
Judith Aron Wisniewsky

TOPIC SESSION

- TS13.02** **Metabolic Activity of the Microbiota: Turning the Invisible into Visible**
Patricia Iozzo
- TS13.03** **Gain and Loss of Glucose-dependent Insulinotropic Polypeptide Receptor Signaling Modifies Gut Inflammation in Mice**
Rola Hammoud, Kiran Deep Kaur, Jacqueline A Koehler, Laurie L Baggio, Chi Kin Wong, Katie E Advani, Bernardo Yusta, Irina Efimova, Fiona Gribble, Frank Reimann, Sigal Fishman, Chen Varol, Daniel J Drucker
- TS13.04** **Effect of uroguanylin and guanylin on the improvement of pancreas steatosis and β -cell function after bariatric surgery in an experimental model of diet-induced obesity**
Amaia Rodriguez, Aaron Otero, Sara Becerril, Marina Martín, Javier A. Cienfuegos, Víctor Valentí, Rafael Moncada, Victoria Catalán, Javier Gómez-Ambrosi, María Angela Burrell, Gema Frühbeck
- TS14.01** **Why is UPF so controversial?**
Edith Feskens
- TS14.02** **Ultra-processed foods: from a concept to epidemiological evidence**
Eszter P Vamos
- TS14.03** **'Disentangling Brain Responses to Unprocessed and Processed Foods'**
Carol Coricelli
- TS15.01** **Gut microbial metabolites in control of body weight and insulin sensitivity**
Emanuel Canfora
- TS15.02** **Obesity and Infection: a two way street**
David Burgner
- TS15.03** **Alterations in maternal nutritional and metabolic status only partially explain fetal growth restriction after sleeve gastrectomy and Roux-en-Y-gastric bypass**
Muriel Coupaye, Imen Sakka, Ouidad Sami, Davide Giovinazzo, David Moszkowicz, Laurent Mandelbrot, Séverine Ledoux
- TS15.04** **Maternal high-fat feeding drives CCR2 monocyte infiltration into the offspring's hypothalamus**
Nicolly Porto Marin, Igor Cavalheiro, Ester dos Santos Alves, Alexia Guimarães Batista Augusto, Lício Velloso, Natália Ferreira Mendes
- TS16.01** **Nutritional Intervention and Skeletal Muscle Preservation During Weight Loss**
Lorenzo M Donini, Silvia Migliaccio, Eleonora Poggiogalle
- TS16.02** **Exercise is Medicine**
Andrea Ermolao
- TS16.03** **Brown adipose tissue is associated with reduced weight loss and risk of cancer cachexia up to one year after diagnosis**
Grigorios Panagiotou, Domsina Babazadeh, Dario F. Mazza, Soheila Azghadi, Joseph M Cawood, Aaron S. Rosenberg, Fumiaki Imamura, Nita G. Forouhi, Abhijit J. Chaudhari, Yasser G. Abdelhafez, Ramsey D. Badawi, Maria Chondronikola
- TS16.04** **Comprehensive Multidisciplinary Weight Loss intervention for Patients with Severe Obesity: A Comparative Analysis in the Presence and Absence of Sarcopenia**
Amelia Brunani, Ettore Brenna, Davide Soranna, Antonella Zambon, Paolo Capodaglio, Simona Bertoli, Raffaella Cancellò

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ABSTRACT SESSIONS

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- AS01.01** **Increased levels of netrin-1 in obesity promote visceral adipose tissue inflammation and are associated with insulin resistance**
Amaia Mentxaka, Javier Gómez Ambrosi, Beatriz Ramírez, Amaia Rodríguez, Sara Becerril, Gabriela Neira, Laura Salmón, Javier A Cienfuegos, Victor Valenti, Rafael Moncada, Camilo Silva, Javier Escalada, Victoria Catalán, Gema Frühbeck
- AS01.02** **B cell-derived Nociceptin Contributes to Metabolic Dysregulation in Obesity**
Stephanie Puente Ruiz, Anne Hoffman, Nora Klötting, F Thomas Wunderlich, Jens C Brüning, Matthias Blüher, Alexander Jais
- AS01.03** **Modulating Adipose Tissue Dysfunction and Insulin Resistance in Obesity through SVEP1 Peptide-Mediated Inhibition of Macrophage-Driven Inflammation**
Nadav Kislev, Nachum Kavin, Raizel Adler, Roza Izgilov, Shira Idelheit, Dafna Dafna Benayahu
- AS01.04** **The inflammatory process triggers post-translational modifications of $\alpha 7nAChR$ in hypothalamic cells, leading to an impairment in the response to endoplasmic reticulum stress**
Ísis De Cássia Alves Martins, Gabriela Pandini Silote, Nilton José Dos Santos, Wenicios Ferreira Chaves, Caroline Lobo Costa, Marcio Alberto Torsoni
- AS01.05** **Recruited CXCR3 immune cells to the hypothalamus protect against high-fat diet-induced body mass gain and metabolic dysfunction**
Natalia Ferreira Mendes, Ariane Maria Zanesco, Cristiane Ferreira Aguiar, Gabriela Flavia Rodrigues Luiz, Dayana Cabral Da Silva, Jonathan Ferreira Campos, Pedro Manoel Mendes De Moraes Vieira, Niels Olsen Saraiva Camara, Eliana Pereira Araujo, Licio Augusto Veloso
- AS01.06** **Nutritional ketosis modulates the methylation of cancer-related genes in patients with obesity and in breast cancer cells**
Paula M Lorenzo, Andrea G Izquierdo, Gemma Rodriguez Carnero, Cristina Porca, Ignacio Sajoux, Daniel De Luis, Felipe F Casanueva, Laura De Paz, Diego Bellido, Cristina Tejera, Ana B Crujeiras
- AS02.02** **The extent and nature of digital food marketing via videogame livestreaming platforms and its impact on eating behaviour in young people**
Rebecca Evans, Paul Christiansen, Sondas Albadri, Emma Boyland
- AS02.03** **The association between children's self-reported exposure to food marketing in community sports settings and their views of food company sponsorship of children's sports**
Elise Pauzé, Mariangela Bagnato, Catherine L. Mah, Monica Taljaard, Jemila Seid Hamid, Monique Potvin Kent
- AS02.04** **Viewpoints on national food environment policies in the Dutch newspaper discourse: an interpretative media content analysis**
Joreintje Mackenbach, Nine Droog, Coosje Dijkstra
- AS02.05** **Knowledge and opinions about overweight and health in the Danish population 2023: a population-based cross-sectional study**
Sofia de Moura Lourenço, Pernille Boukaïdi Lundgaard
- AS02.06** **Providing a common language for obesity: The European Association for the Study of Obesity obesity taxonomy**
Jacqueline Bowman Busato, Lucas Schreurs, Jason Halford, Volkan Yumuk, Grace O'malley, Euan Woodward, Diederik De Cock, Jennifer Baker
- AS03.01** **The effectiveness and feasibility of early childhood obesity treatment: A randomised controlled trial for overweight and obesity in three countries, the STOP project**
Anna Ek, Markus Brissman, Adela Chirita Emandi, Joseph A Tur, Karin Nordin, Karin Eli, Cristina Bouzas, Emma Argelich, Costela Lacrimioara Serban, Iulia Elena Simina, Alfredo Martinez, Marie Löf, Marc Saez, Paulina Nowicka
- AS03.02** **Family-based behavioral treatment of children with obesity – Results from the FABO study**
Hanna F. Skjåkødegård, Yngvild Sørebø Danielsen, Sigurd William Hystad, Rachel Conlon, Denise Wilfley, Petur Juliusson
- AS03.03** **Barriers and Facilitators for Paediatric Obesity Management in Healthcare: Health Professional and Health Leader Perspectives**
Niamh Arthurs, Mohammad Almulla, Farzana Ferdous, Aisling Walsh, Sarah O'Brien, Clodagh O'Gorman, Susan M. Smith, Desire Naigaga, Maevé P. O'Brien, Louise Tully, Oluwatofunmi Oluwajuyigbe, Paula Waldron, Grace O'Malley
- AS03.04** **Associations of childhood BMI, general and visceral fat mass with metabolite profiles at school-age**
Mireille C Schipper, Sophia M Blaauwendraad, Berthold Koletzko, Edwin H.g. Oei, Vincent W.v. Jaddoe, Romy Gaillard

ABSTRACT SESSIONS

- AS03.05** **Long-term effects of childhood obesity management – a 6-year follow-up of The HOLBAEK Model**
Cillius Fonvig, Louise Aas Holm, Maria Martens Fraulund, Lars Ångquist, Thorkild I.A. Sørensen, Torben Hansen, Jens-Christian Holm
- AS03.06** **Sex differences in depression and eating disorders in adolescents participating in a weight management trial: Fast Track to Health**
Hiba Jebeille, Louise A Baur, Cathy Kwok, Eve T House, Mary Kate Inkster, Kaitlin Day, Sarah Lang, Megan L Gow, Natalie B Lister, on behalf of the Fast Track to Health Study Team
- AS04.01** **Safety and Efficacy of Combined GDF8 and Activin A Blockade in Healthy Volunteers: A Phase 1 Trial**
Dinko Gonzalez Trotter, Stephen Donahue, Chris Wynne, Shazia Ali, Prodromos Parasoglou, Anita Boyapati, Kusha Mohammadi, Bret J. Musser, Pretty Meier, Jason Mastaitis, Evelyn Gasparino, Jesus Trejos, John D. Davis, Robert Pordy, Gary A. Herman
- AS04.02** **Increasing GLP1-RA efficacy by targeting non-coding RNA: a combinatory approach to develop a more effective therapeutic paradigm**
Riccardo Panella, Simone Tomasini, Anna Altieri, Sakari Kauppinen
- AS04.03** **Survodutide, a glucagon receptor/glucagon-like peptide-1 receptor (GCGR/GLP-1R) dual agonist, improves metabolic risk factors in adults living with obesity: analysis of a placebo-controlled, randomised phase 2 trial**
Carel W. Le Roux, Oren Steen, Kathryn J. Lucas, Elif I. Ekinci, Elena Startseva, Anna Unseld, Anita M. Hennige
- AS04.04** **Treatment with HS200, a Novel Co-formulation of a GLP-1 Receptor Agonist with a Potent Activin and GDF Inhibitor, Results in Fat-Selective Weight Loss**
Gauthier Schang, Mathilde Poujol De Mollieus, Emile Brulé, Cristina Chauvet, Jean Francois Denis, Ariane Sours, Vann Ganesh, Gilles Tremblay, Julia Schoelermann, Maureen O'connor
- AS04.05** **CagriSema driven weight loss in diet-induced obese rats depends on counter-regulation of weight loss associated reduction in energy expenditure**
Rune Ehrenreich Kuhre, Julie Mie Jacobsen, Bjørn Hald, Johannes Josef Fels, Ida Blom, Jens Halling, Steen Larsen, Sofia Lundh, Marina Kjærgaard Gerstenberg, Anna Secher, Kirsten Raun
- AS04.06** **Impact of setmelanotide on metabolic syndrome risk in patients with Bardet-Biedl syndrome**
Andrea M. Haqq, Christine Poitou, Wendy K. Chung, Anoop Iqbal, Elizabeth Forsythe, Sonali Malhotra, Nicolas Touchot, Karine Clément, Jesús Argente
- AS05.01** **Sex differences in subcutaneous adipose tissue transcriptome in obesity – a study of monozygotic twin pairs discordant for BMI**
Hanna Haltia, Maheswary Muniandy, Marcus Alvarez, Sina Saari, Sini Heinonen, Päivi Pajukanta, Kirsi H Pietiläinen, Birgitta W Van Der Kolk
- AS05.02** **Adipose Cellularity Predicts Long Term Weight Changes**
Peter Arner, Daniel Peter Andersson
- AS05.03** **Adipocyte-specific ROR alpha invalidation favors adipocyte hypertrophy in obesogenic conditions**
Audrey Valérie, Aurore Dupré, Ghania Kara Ali, Charlene Pourpe, Marie Laure Joseph, Pauline Jacquemain, Emilie Caron, Bart Steals, Joel Hass, Delphine Eberle
- AS05.04** **How does Di(isononyl) cyclohexane-1,2-dicarboxylate (DINCH) effects adipogenesis and metabolism in vivo?**
Sontje Krupka, Paul Czechowski, Kristin Schubert, Ulrike Rolle-Kampczyk, Nora Klötting, Martin Von Bergen, Matthias Blüher
- AS05.05** **Activation of a non-neuronal cholinergic system in visceral white adipose tissue of mice and humans with obesity**
Ilenia Severi, Jessica Perugini, Chiara Ruocco, Lara Coppi, Silvia Pedretti, Eleonora Di Mercurio, Martina Senzacqua, Maurizio Ragni, Gabriele Imperato, Alessandra Valerio, Nico Mitro, Maurizio Crestani, Enzo Nisoli, Antonio Giordano
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Laura Contu, Pierre Louis Batrow, Nadine Gautier, Gregory Hilairet, Isabelle Mothe Satney, Soazig Le Lay, Franck Peiretti, Samah Rekima, Marielle Maret, Ez Zoubir Amri, Brigitte Sibille

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Sarah Warkentin, Serena Fossati, Sandra Marquez, Demetris Avraam, Tim Cadman, Sido Haakma, Sandra Andrusaityte, Antonio D'errico, Ahmed Elhakeem, Mónica Guxens, Jennifer R Harris, Barbara Heude, Carmen Iñiguez Hernandez, Vincent Jaddoe, Maribel Casas, Aitana Lertxundi, Rosemary Mc Eachan, Anne Marie Nybo Andersen, Marie Pedersen, Susana Santos, Marina Vafeiadi, Tanja Vrijkotte, Tiffany C Yang, Mark Nieuwenhuijsen, Martine Vrijheid
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- AS06.05** **Formula feeding as a Response to Early Infant Weight Gain: Insights from the Gemini Twin Study**
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- AS06.06** **Associations of maternal lifestyle factors with inadequate pregnancy weight gain: findings from the baseline data of the LIMIT prospective cohort study**
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- AS07.01** **A New Paradigm that Contrasts with the Obesity Paradox: A Negative Association Between Obesity and Bone Mineral Content in Older Adults**
Antonino De Lorenzo, Massimo Pellegrini, Paola Gualtieri, Leila Itani, Marwan El Ghoch, Laura Di Renzo
- AS07.02** **Changes in visceral adiposity modify the impact of weight loss on the 10-year risk of obesity-related complications: a population-based cohort study**
Luca Busetto, Volker Schneck, Maria Overvad, Silvia Capucci, Ricardo Reynoso, Rafael Bravo, Abd A. Tahrani, Camilla S. Morgen
- AS07.03** **Perioperative kidney dysfunction in surgical patients with severe obesity and the impact of disability, functional capacity and co-morbidities**
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- AS07.05** **Hybrid Closed Loop in obesity: to each his own (algorithm)!**
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- AS07.06** **Metabolic and coagulative response in septic patients with obesity: an observational-prospective study**
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- AS08.01** **Transcriptomics on the Tip of Your Tongue: The contribution of salivary extra-cellular vesicles to taste-cell transcriptomics and eating behaviour in obesity**
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- AS08.04** **Skeletal Muscle Fiber Types as Predictors of Insulin Resistance in Individuals with Varying Degrees of Adiposity**
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- AS08.05** **Aerobic exercise improves metabolic dysfunction and exercise performance through regulation of FNDC5 and Pgc1 α in obese mice: A study of exercise-induced skeletal muscle and adipose tissue adaptations**
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- AS08.06** **Osteoarthritis and Obesity: Do Fibroblasts Matter?**
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- AS09.04** **Body mass index and risk of over 100 cancer forms and subtypes in 4.1 million individuals in Sweden: a pooled cohort study aiming to identify further obesity-related cancers**
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- AS09.05** **Sarcopenic obesity associated with all-cause mortality among older people: a population-based study**
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- AS09.06** **Sarcopenic-obesity phenotype and its associated factors based on a sex-specific z-score tool**
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- AS10.01** **The association between early childhood dietary trajectories and later childhood weight status in Dutch children**
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- AS10.02** **Prediabetes and cardiometabolic risk in Danish children and adolescents with obesity**
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- AS10.04** **Identifying primary healthcare professionals' training needs for continuing professional development to support early childhood obesity prevention**
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- AS10.05** **Misperception of body size and association with body size dissatisfaction among early primary school children**
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- AS11.02** **Intuitive Eating as a Predictor of Weight Loss in Semaglutide 2.4 mg Treatment: Insights from a Cohort Study**
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- AS11.03** **Economic evaluation of NHS England's low-calorie total diet replacement intervention for adults living with obesity and type 2 diabetes: evidence from real-world data and patient simulation modelling**
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- AS11.04** **Effect of three-months 10-hour time-restricted eating on gastrointestinal transit in individuals at high risk of type 2 diabetes – the RESET randomized controlled trial**
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- AS12.01** **Semaglutide 2.4 mg efficacy and safety in people with obesity and knee osteoarthritis: results from the STEP 9 randomised clinical trial**
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- AS12.02** **STEP 10 trial: semaglutide 2.4 mg provided a superior reduction vs placebo in body weight and reversion to normoglycaemia in participants with obesity and prediabetes**
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- AS12.04** **Tirzepatide and weight reduction in people with type 2 diabetes and overweight or obesity: a post-hoc analysis of the SURPASS trials**
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- AS12.05** **Once-weekly Triple Receptor (GIP/GLP-1/Glucagon) Agonist Retatrutide (LY3437943): Efficacy and Safety in a 48-week Obesity Phase 2 Trial**
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- AS12.06** **Effect of oral non-peptide GLP-1 receptor agonist orforglipron (LY3502970) in participants with obesity or overweight: A Phase 2 study**
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- AS13.01** **Effects of intrauterine growth restriction (IUGR) on the hypothalamic proteome profiling of adult offspring male rats**
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- AS14.03** **Economic evaluation of a simulated high-risk population based public health intervention against obesity using semaglutide**
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- AS14.06** **Inequalities in healthcare costs according to comorbid obesity related complications in people living with obesity; a UK real world retrospective study**
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- AS15.01** **Trends in overweight and obesity in Portuguese primary school children: a one and half decade of the COSI/WHO Europe study (2008-2022)**
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- AS15.02** **Impact of the COVID-19 pandemic on trends of incidence of overweight and obesity in children and adolescents in Catalonia, Spain**
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- AS15.04** **The effectiveness of a national three-level model of obesity treatment in the paediatric population**
Irena Stucin Gantar, Bernarda Vogrin, Primož Kotnik, Gregor Starc, Gregor Jurak, Polonca Truden Dobrin
- AS15.05** **Post COVID-19 Prevalence of Overweight and Obesity among 7-year-old Schoolchildren in Bulgaria, 2023**
Vesselka Duleva, Ekaterina Chikova Iscener, Lalka Rangelova, Pavlina Rumcheva, Plamen Dimitrov
- AS16.01** **The effectiveness of bariatric metabolic surgery versus glucagon-like peptide-1 receptor agonists for the prevention of congestive heart failure**
Yael Sagy, Orna Reges, Noga Ramot, Erez Battat, Ronen Arbel, Gil Lavie, Dror Dicker

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- AS16.02** **Long-term weight regain after gastric bypass is associated with higher post-prandial GIP levels**
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- AS16.03** **High gain of meal-induced PYY secretion after sleeve gastrectomy can predict better long-term course of weight**
Johanne Le Beyec - Le Bihan, Clément Janot, Salma Fourati, Arnaud BERNARD, Philippe Besnard, Maude Le Gall, Séverine Ledoux
- AS16.04** **The potential involvement of the orexigenic hormone insulin-like peptide 5 in human obesity and the modulatory effect of metabolic surgery: a novel journey in obesity physiopathology**
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- AS16.05** **Evaluation of bone changes after different bariatric surgery techniques using 3D-DXA**
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- AS16.06** **Association of Metformin continuation after bariatric surgery with relapse of Diabetes**
Dror Dicker, Orna Reges

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- GC1.001** **Differentially expressed plasma N-Glycoproteomics in monozygotic twin pairs discordant for BMI**
Maheeswary Muniandy, Sakari Joenväärä, Birgitta van der Kolk, Tiialotta Tohmola, Hanna Haltia, Sina Saari, Sini Heinonen, Risto Renkonen, Kirsi H. Pietiläinen
- GC1.002** **Detrimental effects of obesity on the brain: causal implication of the white adipose tissue**
Florine Seidel, Maximilian Wiesmann, Robert Kleemann, Amanda Kiliaan, Martine Morrison
- GC1.003** **Relationship between expression of clock genes in liver and visceral adipose tissue and metabolic parameters in patients with severe obesity candidates for bariatric surgery**
Hounayda El Jindi, Marine Cossec, Maude Le Gall, Séverine Ledoux
- GC1.005** **Role of lncRNAs in the differentiation of human pediatric adipocytes through Wnt pathway**
Clarissa Berardo, Alessia Mauri, Letizia Messa, Federica Rey, Gianvincenzo Zuccotti, Stephana Carelli +, Cristina Cereda +
- GC1.006** **Vasorin regulates insulin signaling pathway in human adipocytes**
Marco Brandimonte-Hernández, Jose Antonio Nuñez-Sanchez, Augusto Anguita-Ruiz, Angel Gil, Siegfried Ussar, Concepcion Aguilera, Francisco Ruiz Ojeda
- GC1.007** **Adipocyte glucocorticoid receptor restricts healthy adipose tissue expansion by repressing angiogenesis**
Alya Loubaresse, Anna Vali, Heloise Dalle, Jérôme Gilleron, Emmanuelle Havis, Marie Garcia, Carine Beaupère, Clémentine Denis, Natacha Roblot, Karine Poussin, Tatiana Ledent, Benjamin Bouillet, Mireille Cormont, Jean François Tanti, Jacqueline Capeau, Camille Vatier, Bruno Fève, Alexandra Grosfeld, Marthe Moldes
- GC1.008** **Rosiglitazone and its ability to enhance adipogenesis: a metabolomic and lipidomic analysis**
Anna Pilatone, Christian Borgo, Giuseppe Paglia, Simone Serrao, Silvia Bettini, Roberto Fabris, Luca Busetto, Roberto Vettor, Maria Ruzzene, Gabriella Milan
- GC1.009** **The adipocyte response to ionizing radiations**
Alice Usai, Gaia Scabia, Damiano Del Sarto, Jake Harold Pensavalle, Luigi Masturzo, Eduarda Mota Da Silva, Mario Costa, Fabiola Paair, Simone Capaccioli, Fabio Di Martino, Margherita Maffei
- GC1.010** **3,5-Diiodothyronine (T2) and 3,3',5'-Triiodothyronine (T3) mitigate Brown Adipose Tissue Mitochondrial Dysfunction in mice with obesity: Implications for Therapeutic Strategies in Metabolic Diseases**
Giuseppe Petito, Federica Cioffi, Arianna Cuomo, Nunzia Magnacca, Maria Ventriglia, Antonia Lanni, Rosalba Senese
- GC1.011** **Protective effect of Empagliflozin against palmitate-induced lipotoxicity through enhanced fatty acid oxidation and reduced stress signals**
So-Yeon An, Yujin kim, Youngha Kim, Sunge Choi, Tae Ho Kim, Ja Young Jeon, Nami Lee, Seung Jin Han, Hae Jin Kim, Dae Jung Kim, Kwan-Woo Lee
- GC1.012** **Dietary essential amino acids improve metabolic flexibility and promote cardioprotection in a mouse model of heart failure with reduced ejection fraction**
Maurizio Ragni, Chiara Ruocco, Luca Canciani, Letizia Spataro, Carolina Magdalen Greco, Gianluigi Condorelli, Michele Carruba, Alessandra Valerio, Enzo Nisoli
- GC1.013** **Effect of an olive oil derived N-acyl ethanolamine mixture (OLALIAMID®) in mice with obesity: focus on adipose tissue-liver axis**
Stefania Melini, Claudio Pirozzi, Adriano Lama, Federica Comella, Filomena Del Piano, Nicola Opallo, Chiara Annunziata, Giuseppina Mattace Raso, Rosaria Meli
- GC1.014** **Innovative approaches: phyto-probiotics as a therapeutic support for managing obesity-linked psoriasis**
Arthur Chervet, Rawan Nehme, Clémence Defois Fraysse, Caroline Decombat, Bertrand Evrard, Edith Filaire, Jean Yves Berthon, Assia Dreux Zigha, Laetitia Delort, Florence Caldefie Chezet
- GC1.015** **Comparative microbiome study for metabolic health probiotic discovery**
Pia Basinkangas, Ritesh Kumar, Henrik Max Jensen, Christian C. Yde, Niels Christensen, Ashley Hibberd, Qiong Wang, Helene Kane, Arthur C. Ouwehand, Oliver Hasselwander, Sofia D. Forssten
- GC1.016** **Comparative Efficacy of Full-Length and Partial 16S rRNA Gene Sequencing in Gut Microbiome Analysis of Children with Varied Weight Status**
Hai Hua Chuang, Shih Hsuan Chou, Hsueh Yu Li, Li Ang Lee

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- GC1.017** **Comparative effects of viable and heat-inactivated *Lactobacillus rhamnosus* GG administration in the amelioration of diet-induced liver steatosis in rats**
Laura Arellano Garcia, Inaki Milton-Laskibar, Jose Alfredo Martinez Hernández, Maria Puy Portillo Baquedano
- GC1.018** **Impact of high-fat diet-induced obesity on triple-negative breast cancer metastatic potential through the modulation of the gut microbiota**
Natacha Dehaen, Matthias Van Hul, Lionel Mignon, Belén Lizcano Perret, Thomas Michiels, Bénédicte F. Jordan, Patrice D. Cani
- GC1.019** **Gastrointestinal complaints after Roux-en-Y Gastric Bypass Surgery. Impact of microbiota and its metabolites**
Emma Custers, Yonta G.r. Van Der Brugh, Debby Vreeken, Frank Schuren, Tim Van Den Broek, Lars Verschuren, Ivo De Blaauw, Amanda J Kiliaan, Eric J Hazebroek
- GC1.108** **GDF15 is dispensable for the insulin-sensitizing effects of exercise**
Axel Labour, Lucas Frassin, Marlène Lac, Benjamin Lair, Enda Murphy, Claire Maslo, Laurent Monbrun, Marie Marquès, Nathalie Viguier, Geneviève Tavernier, Pierre Gourdy, Donal O'gorman, Emilie Montastier, Claire Laurens, Alexandra Montagner, Cédric Moro
- GC2.001** **Social inequity in health among individuals with severe obesity and multimorbidity**
Mads Fiil Hjorth, Michael Davidsen, Arne Astrup
- GC2.003** **Experiences of healthcare professional delivery of opportunistic discussions about weight management in a mental health setting: a mixed methods design**
Angela M Rodrigues, Emma Kemp, Maria Raisa Jessica Aquino, Rob Wilson, Milica Vasiljevic, Kate McBride, Sally Faulkner, Craig Robson, Jill Harland, Mish Loraine, Catherine Haighton
- GC2.005** **Overview of obesity in people with severe mental illnesses in Bulgaria, region of Ruse**
Tatyana Mateva, Darina Naydenova
- GC2.009** **Influences on excess weight gain in 0-5 year olds: A co-produced stakeholder systems map**
Alexis Foster, Alicia O' Cathain, Maria Bryant, Wendy Burton, Amir Sharif, Michelle Collinson, Dawn Groves-Williams, Bethan Copsey, Adam Martin
- GC2.010** **Air pollution and risk of overweight and obesity in a large real-world data of adult population**
Anna Palomar Cros, Andrea Pistillo, Laura Pérez-Crespo, Marta Cirach, Mark Nieuwenhuijsen, Talita Duarte-Salles
- GC2.012** **Behavioural Susceptibility to Eating Disorders: Examining Shared Genetic Aetiology Underlying Appetite and Eating Disorder Symptoms During Adolescence in the Gemini Twin Cohort**
Zeynep Nas, Alice Rose Kininmonth, Janet Treasure, Clare Heidi Llewellyn
- GC2.013** **Public support for obesity policies; findings from a national survey on the island of Ireland**
Eleni Spyrelli, Laura McGowan, Emily Heery, Aoibhin Kelly, Mirjam Heinen
- GC3.001** **"A balancing act": Parents' longitudinal perspectives of weight-related discussions with their children following obesity treatment**
My Sjunnestrand, Nicklas Neuman, Kajsa Järholm, Anna Ek, Karin Nordin, Ximena Ramos Salas, Karin Eli, Paulina Nowicka
- GC3.002** **Using Non-Violent Resistance (NVR), a relational approach to parenting for children with complex obesity-a review of engagement and feedback**
Joanna Dove, Frances Breed, Sam Dalzell, Pooja Sachdev, Jennifer Clayton
- GC3.003** **Breaking down barriers: a family-centred approach to supporting children and young people living with excess weight through the development of an outreach event**
Kiran Duggal, Tracie Davies, Safia Ravat, Theodora Papanikolaou, Natalie Knight, Alix Toffin, Marie Mcelroy, Kate Rhodes, Lesley Drummond, Suma Uday, Renuka Dias, Jan Idkowiak, Sarah Say
- GC3.004** **Food Habits among Children and Adolescents with Obesity and Parental Nutritional Knowledge Prior to Receiving Paediatric Obesity Treatment**
Niamh Arthurs, Laura Geraghty, Laura Mcbean, Catherine Shortall, Grace O'Malley, Sarah Browne
- GC3.005** **Physical activity and overnutrition amongst primary school children aged 8 - 11 years in Thika West Sub-County, Kenya**
Margaret Wanjiru Mburu, Anselimo Makokha, Peninah Masibo

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- GC3.006** **Weight stigma prevalence, sociodemographic determinants, and associations with disordered eating in a representative sample of Spanish adolescents**
Dimitra Anastasiadou, Clara Almazán, Salomé Tárrega, Albert Fornieles-Deu, David Sánchez-Carracedo
- GC3.007** **The prevalence of obesity among a huge sample of 5-20 years old Jordanian children and adolescents based on CDC criteria**
Walid Al Qerem
- GC3.008** **Weight trajectory patterns during three years of childhood obesity treatment: A Swedish prospective cohort study**
Resthie R Putri, Pernilla Danielsson, Claude Marcus, Emilia Hagman
- GC3.009** **Breastfeeding and cardiometabolic health at 9-11 years of age: findings from the ROLO longitudinal birth cohort study**
Sophie Callanan, Sarah Louise Killeen, Fionnuala M Mcauliffe
- GC3.010** **Influence of mother's country of birth on early childhood BMI z-scores in Victoria, Australia**
Melanie Nichols, Denise Becker, Liliana Orellana
- GC3.011** **The effects of ectopic ASIP (agouti signaling protein) on adipocyte development and metabolism in vitro**
Oscar Karges, Kathrin Landgraf, Claudia Vales Villamarin Fernandez, Elena Kempf, Martha Hanschkow, Antje Körner
- GC3.012** **Chronoexercise around Meals and Energy Intake in Youth - The Importance of Considering Sex and Activity Levels**
Ryan Er Reid, Alexandre Charles Gauthier, Melanie Henderson, Tracie A Barnett, Vicky Drapeau, Marie Eve Mathieu
- GC3.013** **Diagnostic value of soluble LEPR levels in the serum of patients with disease-causing biallelic LEPR variants**
Stefanie Zorn, Daniel Tews, Julia Von Schnurbein, Bertram Flehmig, Lutz Pridzun, Martin Wabitsch
- GC3.014** **Unraveling the relationship between head circumference and MC4R deficiency in children: a cohort study**
Eline E.P.L. van der Walle, Cornelis J. de Groot, Mila S. Welling, Mieke M. van Haelst, Erica L.T. van den Akker
- GC3.015** **Polygenic risk score improves prediction of childhood obesity in the Norwegian Mother, Father, and Child Cohort Study**
Jonas Hodneland Sundford, Roya Karimi, Adina Lupu, Nicolas Fragoaso Bargas, John RB Perry, Pål R Njolstad, Ken K Ong, Marc Vaudel, Stefan Johansson
- GC3.136** **Food Insecurity and childhood obesity: exploring potential dietary and psychological mechanisms**
Alice R Kininmonth, Alison Fildes, Tiffany Yang, Maria Bryant, Jason Christian Grovenor Halford
- GC3.137** **Homozygous mutations in SREK1 linked to a new condition of syndromic obesity**
Sadia Saeed, Anna Maria Siegert, Loraine Tung, Roohia Khanam, Qasim M Janjua, Jaida Manzoor, Brian Y. H. Lam, Sherine Awad, Bénédicte Toussaint, Emmanuel Vaillant, Souhila Amanzougarene, Mehdi Derhourhi, Stephen O'Rahilly, Anthony P. Goldstone, Amélie Bonnefond, Muhammad Arslan, Giles S.h. Yeo, Philippe Froguel
- GC3.138** **Are associations of adulthood overweight/obesity with mortality and incident cardiovascular disease and obesity-related cancer modified by comparative body weight at 10 years in the UK Biobank study?**
William Johnson, Tom Norris, Natalie Pearson, Emily S Petherick, Silvia Costa, James A King, Scott A Willis, Rebecca Hardy, Susan Paudel, Emma Havelcraft, Kate Tilling, George Davey Smith, Mark Hamer, David J Stensel, Tom G Richardson
- GC3.139** **Childhood weight trends in Bergen, Norway (2010-2022): Analysis of overweight, obesity, and severe obesity using data from routine child healthcare**
Melissa Balthasar, Mathieu Roelants, Bente Brannsether Ellingsen, Ragnar Bjarnason, Ingunn H Bergh, Liv G Kvalvik, Kristine M Stangenes, Astanand Jugessur, Mette C Tollånes, Finn Markussen, Petur Juliusson
- GC3.140** **The circadian distribution of energy intake and physical activity and its associations with weight status in Portuguese children and adolescents from the National Food, Nutrition and Physical Activity Survey 2015–2016**
Sofia Cardoso, Inês Sanches, Daniela Correia, Sofia Vilela
- GC4.002** **The Study of How Adiposity in Pregnancy has an Effect on outcomeS (SHAPES) Cohort: a comparison of BMI and anthropometric assessment of adiposity in early pregnancy**
Nicola Heslehurst, Giang Nguyen, Theophile Bigirimurame, Susan Lennie, Rebecca Tothill, Sophie Fowler, Anna Boath, Janine Smith, Luke Vale, Dawn Teare, Louise Hayes, John Allotey, Raisa (Raya) Vinogradov
- GC4.003** **Obesity-associated gut microbiota and its impact on the metabolome**
Paula Aranz, Iñigo Clemente Larramendi, Ana Romo Hualde, José Ignacio Riezu Boj, J. Alfredo Martínez, Fermin I. Milagro

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- GC4.004** **Effects of a VLCKD on body composition and gut microbiota in people with overweight with or without IBS**
Claudia Di Rosa, Ludovica Di Francesco, Chiara Spiezia, Annamaria Altomare, Greta Lattanzi, Giulia Costa, Federica Coccaro, Antonella Simone, Michele Pier Luca Guarino, Silvia Manfrini, Yeganeh Manon Khazrai
- GC4.006** **The impact of six weeks of moderate-intensity exercise training on circulating hepatokine concentrations in men with MASLD and impaired glycaemic regulation**
Scott A Willis, Sundus Malaikah, Gaël Ennequin, Aron P Sherry, Jack A Sargeant, Thomas Yates, David J Stensel, David R Webb, Melanie J Davies, Guruprasad P Aithal, James A King
- GC4.007** **Exercise Reduces Chronic Low-grade Inflammation in Adults with Obesity After Weight Loss: A Randomized Clinical Trial**
Haithem G. A. Alkhefagie, Joachim Holt, Simon B. K. Jensen, Rasmus M. Sandsdal, Sarah Byberg, Christian R. Juhl, Julie Lundgren, Charlotte Janus, Bente M. Stallknecht, Jens J. Holst, Charalambos Antoniades, Sten Madsbad, Joachim Størling, Signe Torekov
- GC4.008** **MAFLD Outperforms NAFLD in Distinguishing People with Sarcopenia and Compromised Muscle Quality**
Yun Kyung Cho, Myung Jin Kim, Eun Hee Kim, Min Jung Lee, Hwi Seung Kim, Woo Je Lee, Hong Kyu Kim, Chang Hee Jung
- GC4.009** **BARRIERS-MASLD: Using a Multi-country Survey to Understand Diagnosis and Treatment Patterns for Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD) among Metabolically Focused Physicians in Europe**
Cyrielle Caussy, Laurent Castera, William Alazawi, Elisabetta Bugianesi, Massimo Federici, Manuel Romero Gomez, Jörn M. Schattenberg, Ron Basuroy, Dmitry Estulin, Jeffrey V. Lazarus
- GC4.010** **The Impact of Gastric Sleeve Surgery on the Relationship Between Adiponectin and Regional Fat Mass**
Anca Sirbu, Elisabeta Malinic, Miruna Popa, Raluca Dinu, Sorina Martin, Bogdan Smeu, Catalin Copaescu, Simona Fica
- GC4.011** **Dietary intake of nutrients 5 years after gastric bypass vs. sleeve gastrectomy - an RCT**
Heidi Borgeraas, Lisa Ha Barstad, Jøran Hjelmæsæth, Jostein Wågen Hauge, Jens Kristoffer Hertel, Dag Hofsvø, Line Kristin Johnson
- GC4.012** **Pragmatic vitamin and micronutrient supplementation strategy after bariatric surgery**
Héline Chappard, Ouidad Sami, Imen Sakka, Suzette Coelho, Muriel Coupaye, David Moszkowicz, Séverine Ledoux
- GC4.013** **Rs11110415 in the Farnesoid X-Receptor, a potential predictor of breast cancer risk in women after bariatric surgery?**
Felipe Miguel Kristensson, Felipe Miguel Kristensson, Johanna Cecilia Andersson Assarsson, Per Arne Svensson, Kajsa Sjöholm, Sofie Ahlin, Sofie Ahlin, Markku Peltonen, Lena Carlsson Ekander, Magdalena Taube
- GC4.014** **Weight Loss Outcomes in Patients with Genetic Mutations linked to Obesity: a Comparative Analysis of Surgical and Non-Surgical Approaches**
Raffaella Cancellò, Francesca Bodini, Francesca Frattini, Andrea Gambetti, Amalia Bruno, Santo Colosimo, Monica Mencarelli, Alessandra Mihalich, Anna Maria Di Blasio, Alberto Battezzati, Simona Bertoli
- GC4.015** **Guidance for the phased introduction of new medical therapies for weight management: A joint position statement by the Society for Endocrinology and Obesity Management Collaborative UK**
Luke D. Boyle, Christo Albor, Oluwaseun Anyiam, Piya Sen Gupta, Cintia Cercato, John Wilding, Bartolome Burguera, Chau-Chung Wu, Craciun Anca-Elena, Dénes Páll, Irene Hramiak, Jøran Hjelmæsæth, Nina M. Harder Lauridsen, Petra Weimars, Ole Kleist Jeppesen, Klaus Kallenbach, Michael Lincoff, Ildiko Lingvay
- GC4.016** **Serious adverse events and safety profile of semaglutide vs placebo in the SELECT study**
Robert F. Kushner, Donna H. Ryan, John Deanfield, Alexander Kokkinos, Cintia Cercato, John Wilding, Bartolome Burguera, Chau-Chung Wu, Craciun Anca-Elena, Dénes Páll, Irene Hramiak, Jøran Hjelmæsæth, Nina M. Harder Lauridsen, Petra Weimars, Ole Kleist Jeppesen, Klaus Kallenbach, Michael Lincoff, Ildiko Lingvay
- GC4.017** **Safety of SGLT2 inhibitors in kidney transplant recipients with diabetes mellitus**
Talia Diker Cohen, Amir Polansky, Idan Bergman, Gida Ayada, Tania Bebiç, Amit Akirov, Tali Steinmetz, Idit Dotan
- GC4.018** **Managing the new wave of weight loss medication in general practice: A qualitative study**
Pernille Andreassen, Sissel Due Jensen, Jens Meldgaard Bruun, Anelli Sandbæk
- GC4.019** **Pharmacological treatment of adult patients with genetic obesity: a real-world study**
Mila S Welling, Cornelis J De Groot, Mostafa Mohseni, Renate E.H. Meeusen, Mariëtte R Boon, Mieke M Van Haelst, Erica van den Akker, Elisabeth F.C. Van Rossum

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- Relevance of Body Weight and Weight Change on Cardiovascular Benefit with Semaglutide: A Pre-specified Analysis of the SELECT Trial**
- GC4.351** John Deanfield, Ildiko Lingvay, Steven K Kahn, Scott S Emerson, Jorge Plutzky, Helen Colhoun, Donna H Ryan, Tugce Kalayci Oral, Peter E Weeke, Ole Kleist Jeppesen, Rafael Bravo, Chau Chung Wu, Issei Komuro, Ferruccio Santini, Jørn Hjeltnes, Miguel Urina Triana, Silvio Buscemi, Robert Kushner, A. Michael Lincoff
- LBC1.01** The gut microbiome is a strong mediator of the impact of lifestyle on cardiometabolic phenotypes
Solia Adriouch, Eugeni Belda, Tiphaine Le Roy, Jean Daniel Zucker, Karine Clément
- LBC1.03** Mapping the brain feeding circuitry activated by cagrilintide, semaglutide and CagriSema in mice
Thomas Alexander Lutz, Greta Lommi, Christelle Le Foll, Kirsten Raun, Anna Secher, Mohammed Hankir
- LBC1.05** Regulated on Activation, Normal-T cell expressed and Secreted (RANTES/CCL5) levels: an association with epicardial adipose tissue thickness in women affected by abdominal obesity
Carola Dubini, Federico Boniardi, Chiara Meregalli, Valentina Scravaglieri, Manuel Bruno Trevisan, Serenella Castelvécchio, Massimiliano Marco Corsi Romanelli, Alexis Elias Malavazos
- LBC1.06** The mechanosensor Piezo1 acts as an on-off switch in balancing the osteogenic and adipogenic potential of bone marrow mesenchymal stem cells
Baile Wang, Jie Liu, Lai Yee Cheong, Malika Arhatte, Edyta Glogowska, Xue Jiang, Qin Wang, Éric Honore, Aimin Xu
- LBC1.07** GLP-1: Investigating Its Role in Intestinal Barrier Integrity
Amar El Hamwi, Naig Le Guern, Jacques Grober
- LBC2.01** Mediterranean-type diet adherence and body mass index through 20 years of follow-up: Results from the ATTICA cohort study (2002-2022)
Evangelia Damigou, Michael Georgoulis, Christina Chrysohoou, Fotios Barkas, Elpiniki Vlachopoulou, Dimitrios Dalmyras, Christina Vafia, Petros Spyridonas Adamidis, Konstantina Kyrieli, Evrydiki Kravvariti, Costas Tsioufis, Christos Pitsavos, Evangelos Liberopoulos, Petros P Sfikakis, Demosthenes Panagiotakos
- LBC2.02** A qualitative framing analysis of the role of parents and families in English obesity policy documents 2010 – 2020
Andrea Smith, Lucy Fell, Ben Hawkins
- LBC2.03** Healthcare costs associated with overweight and obesity at an individual versus a population level - a HUNT study
Christina Hansen Edwards, Gudrun Maria Waaler Bjørnelv, Karsten Øvretveit, Kristian Hveem, Johan Håkon Bjørngaard
- LBC4.01** Body weight reduction in women treated with tirzepatide by menopausal stage: A post hoc analysis from the SURMOUNT program
Andreea Ciudin Mihai, Adam Stefanski, Luis Emilio García Pérez, Donna Mojdami, Irina Jouravskaya, Sirel Gurbuz, Rebecca Taylor, Julia P. Dunn

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- GC1.004** **Differential effects of peroxisome proliferator-activated receptor γ activation on transcription factor EB and autophagy in hepatocytes and hepatic stellate cells**
You Cheol Hwang, Jin Yoo, Ji Eun Jun, In Kyung Jeong, Kyu Jeung Ahn, Ho Yeon Chung, Seungjoon Oh
- GC1.021** **Cessation of Orthodox fasting, but not of time-restricted eating, disrupts the homeostatic balance between nesfatin and beta cell function in people with overweight**
Theocharis Koufakis, Spyridon N. Karras, Djordje S. Popovic, Kali Makedou, Kalliopi Kotsa
- GC1.022** **Transgenic overexpression of the Nrf2 in the SHR/strain is associated with amelioration of oxidative stress, reduced mitochondrial function, and features of the metabolic syndrome**
Miroslava Simakova, Petr Mlejnek, Jan Silhavy, Michal Pravenec, Tomas Mracek, Hana Malinska, Irena Markova, Martina Huttl
- GC1.023** **The role of epicardial adipose tissue, hormones and adipokines in the development of coronary heart disease in men with arterial hypertension**
Boris Pinkhasov, Araks Manukyan, Denis Deev, Vera Selyatitskaya
- GC1.024** **Association of epicardial adipose tissue thickness with ejection fraction in patients with essential hypertension**
Araks Manukyan, Vladimir Pasechny, Denis Deev, Boris Pinkhasov
- GC1.025** **Blood glucose variability in men with obesity**
Araks Manukyan, Maxim Sorokin, Boris Pinkhasov, Vera Selyatitskaya, Denis Deev
- GC1.027** **Blood methylation pattern reflects epigenetic remodelling in adipose tissue after bariatric surgery**
Luise Müller, Anne Hoffmann, Stephan H. Bernhart, Adhideb Gosh, Jiawei Zhong, Tobias Hagemann, Wenfei Sun, Falko Noé, Christian Wolfrum, Arne Dietrich, Michael Stumvoll, Lucas Massier, Matthias Blüher, Peter Kovacs, Rima Chakaroun, Maria Keller
- GC1.028** **Role of Il-9-Nlrp3 Axis in Insulin Resistance and Adipose Tissue Inflammation During Diet-Induced Obesity**
Indulekha Karunakaran, Dennis Deconninck, Benjamin Lenz, Surendar Jayagopi, Lisa Marie Springer, Marianne Koeschel, Samuel Wanji, Achim Hoerauf, Alexander Pfeiffer, Marc Peter Hübner
- GC1.029** **An association between omentin-1 concentration and adiposity markers in patients with obesity and hypertension**
Marta Pelczyńska, Małgorzata Moszak, Matylda Kręgielska-Narozna, Joanna Michałowska, Katarzyna Pastusiak, Monika Szulińska, Paweł Bogdański
- GC1.030** **Deciphering the mechanisms involved in HIV integrase inhibitors impact on weight gain and adipose tissue alterations: role of HIF-1 α**
Kenza Ngono Ayissi, Laura Le Pelletier, Michael Atlan, Bruno Fève, Jacqueline Capeau, Claire Lagathu Lafon, Véronique Béréziat
- GC1.031** **Vasorin modulates adipogenesis in human adipocytes**
Jose Antonio Nuñez-Sanchez, Marco Brandimonte-Hernández, Augusto Anguita-Ruiz, Angel Gil, Siegfried Ussar, Concepcion Aguilera, Francisco Javier Ruiz Ojeda
- GC1.032** **Effects of Cadmium on Epigenetic Changes in Human Preadipocytes Exposed to Heavy Metal**
Victor Tadeu Gonçalves Plata, Lucia M. Armelin-Correa, MARIA ISABEL ALONSO-VALE, Andressa Bolsoni Lopes, Jussara Jesus Simão, Andressa França de Sousa Bispo, JÚLIA FERNANDES BARCELLA, Raphael Justa Saran
- GC1.033** **Impact of fish oil on the modulation of deleterious effects of chronic inflammation through mechanisms involving the Nf- κ B pathway and epigenetic modifications in human visceral adipose-derived stem cells**
Jussara Jesus Simão, Andressa França Souza Bispo, Victor Tadeu Gonçalves Plata, Iomara Isidorio Cavalcante, Júlia Fernandes Barcella, Raphael Justa Saran, Lucia Maria Armelin Correa, Maria Isabel Cardoso Alonso Vale
- GC1.034** **Visceral-to-Peripheral Adiposity Ratio: a Critical Determinant of Sex and Ethnic Differences in Cardiovascular Risks among young adults in Mauritius**
Vinaysing Ramessur, Sadhna Hunma, Noorjehan Joonas, Bibi Nasreen Ramessur, Yves Schutz, Jean Pierre Montani, Abdul Dullo
- GC1.035** **Effects of Opuntia cactus extracts on serum plasma lipids and the expression of CD36 fatty acid transporter and aquaglyceroporins in rats fed an obesogenic diet**
Iker Gómez García, Alfredo Fernández Quintela, Maria Puy Portillo, Jenifer Trepiana

GREEN COMMUNICATIONS

- GC1.036** **Investigating the metabolic role of adipose tissue GDF15 in obesity resistance using Rosa26-Cas9 knock-in B6J mice**
Clarissa S. Barthem, Rutger Laterveer, Maria Kutschke, Timon Pfeifer, Marlou Klein Hazebroek, Martin Jastroch, Susanne Keipert
- GC1.037** **Unveiling Histone Modifications, Leptin Signaling, and Adipose-Derived Stromal Cell Dysfunction in High-Fat Diet-Induced Obesity**
Andressa França de Sousa Bispo, Jussara Jesus Simão, JÚLIA FERNANDES BARCELLA, Victor Plata, Raphael Justa Saran, MARIA ISABEL ALONSO-VALE, Lucia Maria Armelin Correa, IOMARA Cavalcante
- GC1.038** **The impact of obesity and strength exercise on epigenetic modulation in the specific region of NFκB in mesenteric adipose tissue DNA of obese mice**
Diego Gomes De Melo, Thais Dantes Pereira De Campos, Raphael Santos Canciglieri, Vivian Cristina Da Cruz Rodrigues, Gustavo José De Sá Pereira, Célio Junior Da Costa Fernandes, Leandro Pereira De Moura
- GC1.039** **Deciphering the Impact of SARS-CoV-2 on Adipose Tissue**
Sontje Krupka, Anne Hoffmann, Mariami Jasaszwilli, Arne Dietrich, Esther Guiu-Jurado, Nora Klötting, Matthias Blüher
- GC1.040** **Metabolic obesity in normal-weight individuals: new perspectives on adipose tissue dysfunction**
Rocio Guzmán Ruiz, Elena Garrido Rascón, Olga Garcia Ruiz, Carmen Soler Vázquez, Samuel Lorenzo Pino, Ana Gordon, Mercedes Clemente-Postigo, Francisco J Tinahones, María M Malagón
- GC1.041** **Total and H-Specific GDF-15 levels are not affected by liraglutide or naltrexone/bupropion administration**
Georgia Argyrakopoulou, Sofia K. Konstantinidou, Stamatia Simati, Konstantinos Stefanakis, Alexander Kokkinos, Christos S. Mantzoros
- GC1.042** **Effects of weight loss with cold exposure on appetite, smell and taste in individuals with obesity: preliminary results**
Noémie Beauregard, Kurt Mcinnis, Luzia Jaeger Hintze, Alexanne Larocque, François Haman, Éric Doucet
- GC1.043** **Circadian Rhythm Stability and Adiposity: A Comparison of Human-Smartphone Interaction and Actigraphy Measurements**
Hai Hua Chyuan, Li Ang Lee, Chen Lin, Hsiang Chih Chang, Guan Jie She, Yu Hsuan Lin
- GC1.044** **Maternal Obesity Adversely Programs Female Offspring's Metabolic Adaptation to Pregnancy**
Jianhua Shao, Liping Qiao, Cindy Lu, Sarah Saget
- GC1.045** **Interesterified palm oil consumption rechallenge in adulthood could lead mice offspring to insulin resistance**
Paloma Villalta, Mayara da Nóbrega Baqueiro, Carolina Panzarin, Laís Simino, Marciane Milanski Ferreira, Letícia Ignácio-Souza, Marcio Torsoni, Adriana Torsoni
- GC1.046** **More severe energy restriction strengthens the resting energy expenditure - body composition relationship**
Nuala Byrne, Andrew Hills
- GC1.047** **Association of DNA methylation with metabolic predictors of weight gain in Hispanic children**
Chris Serrano, Mark Kos, Tony Comuzzie, Nancy Butte, Shelley Cole, Melanie Carless
- GC1.048** **Chronic Cold Exposure and Weight Loss in Individuals with Obesity**
Kurt McInnis, Noémie Beauregard, Luzia Jaeger Hintze, Alexanne Larocque, François Haman, Éric Doucet
- GC1.049** **The relationship between resting metabolic rate and hepatic fat in patients with overweight and obesity: A cross-sectional study**
Evdoxia Gitsi, Alexander Kokkinos, Sofia K. Konstantinidou, Stamatia Simati, Georgia Argyrakopoulou
- GC1.050** **No differences in meal induced thermogenesis were observed in patients with type 1 diabetes (T1DM) with or without obesity compared to healthy controls**
Stamatia Simati, Georgia Argyrakopoulou, Evdoxia Gitsi, Ourania Kosta, Alexander Kokkinos
- GC1.051** **A replicate crossover trial on the interindividual variability in sleep responses to acute exercise**
Alice E Thackray, Tonghui Shen, Tareq F Alotaibi, Turki M Alanazi, Yuting Yang, Tom Clifford, Iuliana Hartescu, James A King, Matthew J Roberts, Scott A Willis, Lorenzo Lollo, Greg Atkinson, David J Stensel
- GC1.052** **Effect of Protocatechuic Acid on Prolongation of Fructose-Induced Villi in Mice with obesity**
Zhen-Yu Chen, Huafang Ding

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- GC1.053** **Changes in intestinal permeability and gut microbiota following diet-induced weight loss in people with obesity, metabolic dysfunction-associated steatohepatitis and liver fibrosis**
Dimitrios A Koutoukidis, Sandi Yen, Paula Gomez Castro, Jethro Johnson, Mariya Misheva, Susan A Jebb, Paul Aveyard, Jeremy Tomlinson, Jeremy F Cobbold, Julian R Marchesi
- GC1.054** **Beta-cell function and insulinotropic actions of incretin hormones before and after Roux-en-Y gastric bypass in patients with type 2 diabetes**
Maria Saur Svane, Morten Hindsø, Christoffer Martinussen, Carsten Dirksen, Nils Bruun Jørgensen, Bolette Hartmann, Viggo Bjerregaard Kristiansen, Jens Juul Holst, Kirstine Nyvold Bojsen Møller, Stens Madsbad
- GC1.055** **Different variants of apolipoprotein e genes polymorphism in obese people**
Tatyana Borisovna Sentsova
- GC1.056** **Effects of fasting and intermittent fasting on THP1 macrophage metabolism and phenotypic profile**
Júlia Rius Bonet, Marta Torrubiano Balcells, Alicia Aguilar Martínez, Salvador Macip, Marta Massip Salcedo, Daniel Closa
- GC1.057** **Impact of Bariatric Surgery on Intestinal Immunity: Insights from Rat Model Evaluating CD8αα and CD8αβ Ratios**
Amélie Vaugrente, Alexandra Willemetz, Hounayda El Jindi, Lara Ribeiro Parenti, André Bado, Maude Le Gall, Mathieu Uzzan
- GC1.058** **Adipose tissue fibrosis and adipocyte area: implication in non-alcoholic steatohepatitis development of patients with severe obesity**
Marina Ramírez-Baños, Helena Castañé, Xavier Escote, Adelina Miruna Perta, Marta París Sans, Jordi Camps, Jorge Joven
- GC1.059** **The effect of intracerebroventricular administration of GALP on key hepatokines and hepatic glucose metabolism in mouse**
Satoshi Hirako, Nobuhiro Wada, Yuzuru Iizuka, Haruki Kageyama, Fumiko Takenoya, Seiji Shioda
- GC1.060** **Hepatic steatosis in patients with obesity: The role of long-term glucocorticoid exposure and liver fibroblast growth factor 21**
Robin Lengton, Susanne Kuckuck, Mostafa Mohseni, Eline van der Valk, Mariëtte Boon, Robert De Knegt, Jenny Visser, Sjoerd van den Berg, Anand Iyer, Elisabeth van Rossum
- GC1.061** **Antioxidant effect of Opuntia stricta var. dillenii peel and Opuntia ficus-indica pulp extracts in diet-induced steatosis in rats**
Irene Besné-Eseverri, Jenifer Trepiana, María Pilar Cano, María Puy Portillo Baquedano
- GC1.062** **VLDL particles carrying miR-122 from the liver were associated with higher BMI in humans**
Carolina Panzarin, Lais A. P. Simino, Mayara N Baqueiro, Lívia M Genaro, Helena C. F. Oliveira, Felipe D. M. Chaim, Elinton A. Chaim, Raquel F. Leal, Marcio A. Torsoni, Letícia M. Ignácio Souza, Marciane Milanski, Adriana S. Torsoni
- GC1.063** **Hepato-protective profile of SGLT2 inhibitor short-term treatment is less significant in animal models of genetic obesity**
Angelo Di Vincenzo, Chiara Purificati, Matteo Marchegiani, Simona Pavone, Marta Gentile, Marnie Granzotto, Roberto Vettor, Marco Rossato
- GC1.064** **"Body and fat shaming" – are shame and avoidance a good way to build motivation to exercise in men with normal and excessive body weight? Analysis of results regarding obligatory exercise, muscle dysmorphia and positive body image**
Kamilia Czepczor-Bernat, Adriana Modrzejewska, JUSTYNA MODRZEJEWSKA, Pawel Matusik
- GC1.065** **A cross-sectional analysis of emotional and binge eating in UK adults enrolled on the NHS Low-Calorie Diet Pilot for Type 2 Diabetes**
Jordan Marwood, Duncan Radley, Tamla Evans, Jamie Matu, Kenneth Clare, Chirag Bakhai, Louisa Ellis
- GC1.066** **Childhood trauma in patients with bariatric surgery – a comparison between women and men**
Barbara Mangweth Matzek
- GC1.067** **Taiwanese green propolis ameliorates metabolic syndrome via remodeling of white adipose tissue and modulation of gut microbiota in diet-induced obese mice**
Yi Hsuan Chien, Yu Hsiang Yu, Yue Wen Chen
- GC1.068** **Body fatness predicts weight and fat mass gain during controlled overfeeding in men**
Jose E. Galgani, Rodrigo Fernández-Verdejo, George Bray, Steven Smith, Eric Ravussin
- GC1.069** **Spontaneous nonsense mutation in Tuf1 (tuftelin 1) gene is associated with amelioration of glucose and lipid metabolism in the rat**
Michal Pravenec, Petr Mlejnek, Jan Silhavy, Miroslava Simakova, Frantisek Liska, Hana Malinska, Irena Markova, Martina Huttli, Viktor Stranecky, Stanislav Knoch, Marek Vrbacky, Tomas Mracek

GREEN COMMUNICATIONS

- GC1.070** **Transgenic rescue of mutant Endog (endonuclease G) gene in the SHR strain is associated with increased mitochondrial respiratory efficiency and amelioration of metabolic disturbances**
Petr Mlejnek, Miroslava Simakova, Jan Silhavy, Tomas Mracek, Josef Houstek, Michal Pravenec, Hana Malinska, Irena Markova, Martina Huttl
- GC1.071** **Long-term effect of bariatric surgery on circulating GDF15 concentrations**
Erik Wilhelm Ynnes, Kristin Moberg Aakre, Johan Fernø, Jonas Ingolf Petersson Nedkvitne, Jo Erling Riise Waage, Bjørn Gunnar Nedrebrø, Håvard Luong Thorsen, Gunnar Mellgren, Jørn Vegard Sagen
- GC1.072** **The relationship between stress coping physiologic mechanism and body anthropometry and metabolic parameters**
Jaeho Lee, BOM TAECK Kim, Kyu-Nam Kim, Jisoon IM, Hyelynn Jeon, Bumhee Park
- GC1.073** **The deletion of $\alpha 7nAChR$ in hypothalamic POMC neurons impairs the energy balance, glucose homeostasis, and leptin signaling in male mice chronically exposed to a high-fat diet**
Wenicios Ferreira Chaves, Melissa Santos Aguiar, Iracema Monteiro Da Silva, Suleyma De Oliveira Costa, Isis De Cassia Alves Martins, Caroline Lobo Costa, Adriana Soura Torsoni, Raquel Da Silva Aragão, Marcio Alberto Torsoni
- GC1.074** **Dysregulation of plasma metabolite variability in South Asian Indian males with type 2 diabetes**
Ambaji Sivadas, Sarita Devi, Roshni M Pasanna, Nikhil Nadiger, Anura V Kurpad, [arpita mukhopadhyay](#)
- GC1.075** **Assessment of dynamic reductions in resting energy expenditure during rapid weight-loss**
Aoife M Egan, Kelly L Johnston, Adam L Collins
- GC1.076** **They protein isolate increases biotin level in the liver in association with gut microbiota in mice**
Lujza Moreira, William Mccarthy, Wiley Barton, Paul Cotter, Kanishka Nilawera
- GC1.077** **In vivo anti-obesity properties of a Lactiplantibacillus plantarum probiotic strain**
Ignacio Goyache, Miguel López Yoldi, Lorena Valdés, Raquel Virto, Fermín Mialgro, Paula Aranz
- GC1.078** **Putative players in metabolic health: gut-bacteria derived membrane vesicles have distinct functionalities dictated by composition**
Jari Verbunt, Johan Jocken, Emanuel Canfora, Ellen Blaak, Paul Savelkoul, Frank Stassen
- GC1.079** **Identification of bioactive natural compounds with GLP1R agonist activity: An in silico approach**
Elena Murcia, Miguel Carmen-Bargueño, Bruno Ramos-Molina, Juan José Hernández Morante, Horacio Pérez Sánchez
- GC1.080** **Anti-inflammatory effects of Gnetum parvifolium and it Major Bioactive Compound, Isorhapontigenin: Impact on Oxidative Stress, Cell Viability and Obesity**
Lamia Hamdan Ramdani, Caroline Decombat, Lucie Longechamp, Didier Fraisse, Amandine Rousset, François Senejoux, Céline Auxenfans, Jean Batiste Guyon, Edith Filaire, Khaldoun Bachari, Jean Yves Berthon, Laetitia Delort, Florence Caldefie Chezet
- GC1.081** **Rare case of GLP-1 agonist therapy in patient living with obesity and autoimmune disorders including MG and Hashimoto's thyroiditis**
Kalina Topuzova, Stoyanova Rayna
- GC1.082** **Metabolic effects of extra-virgin olive oil's polyphenols in a mice model of diet-induced obesity**
Chiara Ruocco, Letizia Spataro, Maurizio Ragni, Luca Canciani, Maurizio Servili, Gabriele Riccardi, Francesco Visioli, Alessandra Valerio, Enzo Nisoli
- GC1.083** **Replacing part of maltodextrin with galactose in the postweaning diet results in an improved body composition and energy metabolism in early life in a mouse model**
Evert van Schothorst, Peixin Sun, Maryam Rakhshandehroo, Lidewij Schipper, Melissa Bekkenkamp Grovenstein, Jaap Keijer
- GC1.085** **No effect of high fructose and high glucose diet on body weight of male Wistar rats**
Venelin Dimitrov Denchev, Teodora Svetoslavova Handjieva-Darlenska
- GC1.086** **The feasibility of a clinical tool to establish adherence to the Eatwell Guide**
Kaydee Shepherd, Alex Griffiths, Oliver M Shannon, [Jamie Matu](#)
- GC1.087** **Oral Administration of Xylitol Compared to Sucrose Reduces Total Energy Intake during a Subsequent ad libitum Test Meal**
Emilie Flad, Anita Altstädt, Christoph Beglinger, Lukas Van Oudenhove, Bettina Wölnerhanssen, Anne Christin Meyer Gerspach

GREEN COMMUNICATIONS

- GC1.088 Broccoli Extract as a Nutraceutical to relieve Endoplasmic Reticulum Stress and Associated Mitochondrial Dysfunction in Human Adipocytes**
Alice M Murphy, Guy Barker, Michael Chappell, Milan Piya, Gyanendra Tripathi, Philip G Mcternan
- GC1.089 Effects of estradiol replacement during early and late menopause on glucose and lipid metabolism in high-fat-fed female mice**
Alessandra Gonçalves Cruz, Jessica Denielle Matos dos Santos, Bruna Maria Fantini Trinca, Joao Paulo Camporez
- GC1.090 Acute kaempferol stimulation is associated with AKT activation independent of insulin receptor tyrosine phosphorylation**
Beatriz Santana Lima, Lucas Humberto Zimmermann Belaunde, Karine Damaceno Souza, José Eduardo Carvalho, JOEL MACHADO JUNIOR, MARIA ISABEL ALONSO-VALE, Luciana Chagas Caperuto
- GC1.091 Inequalities in comorbid obesity-related complications in people living with obesity according to deprivation and ethnicity; a UK real world retrospective study**
Sara Holloway, Silvia Capucci, Christopher Lübker
- GC1.092 Weight loss and ketosis induced by a very-low calorie ketogenic diet (VLCKD) normalizes enhanced ABCG1 methylation in blood leukocytes from individuals with obesity**
Andrea G Izquierdo, Paula M Lorenzo, David Primo, Ignacio Sajoux, Felipe F Casanueva, Daniel De Luis, Ana B Crujeiras
- GC1.093 Obesity and breast cancer: impact of vitamin D on the inflammatory adipose tumor microenvironment in obesity in a 3D co-culture model**
Jessy Aoun, Ola Habanjar, Rawan Nehme, Caroline Decombat, Mona Diab Assaf, Florence Caldefie Chezet, Laetitia Delort
- GC1.094 Obesity Sparks the Immune System: Lessons from the COVID-19 Pandemic**
Husham Yousuf Bayazed
- GC1.095 Associations between TCF7L2, PPAR γ , and KCNJ11 genotypes and insulin response to an oral glucose tolerance test: a systematic review**
Carmen P S Blanken, Sandra Bayer, Sophie Buchner Carro, Hans Hauner, Christina Holzappel
- GC1.096 Genetic dissection of serum pro-neurotensin implicates its causal effect on brain structure**
Jana Breitfeld, Katrin Horn, Veronica Witte, Frauke Beyer, Akhil Velluva, Janne Pott, Diana Leduc, Ronny Baber, Michael Stumvoll, Olle Melander, Peter Kovacs, Markus Scholz, Anke Tönjes
- GC1.097 Tracing obesity from parents to adult offspring: The Tromsø Study 1994-2016**
Mari Mikkelsen, Tom Wilsgaard, Sameline Grimsgaard, Bjarne Koster Jacobsen, Laila Arnesdatter Hopstock
- GC1.098 Relationship between serum total testosterone concentration and metabolic syndrome in premenopausal women with obesity**
Jee Hyun Kang
- GC1.099 DNA methylation association with obesity in a Hispanic childhood obesity cohort**
Christian Ray Serrano, Mark Kos, Tony Comuzzie, Nancy Butte, Shelley Cole, Melanie Carless
- GC1.100 The effect of obesity and aging on the metabolome in monozygotic twin pairs discordant for BMI**
Birgitta W van der Kolk, Maheswary Muniandy, Janne Tampio, Sina Saari, Sini Heinonen, Jaakko Kaprio, Marko Lehtonen, Kirsi H Pietiläinen
- GC1.101 Continuous glucose monitoring in patients with symptoms of hypoglycemia after bariatric surgery: a retrospective study**
Elena Argia Bianca Bensi, Dionne Sizoo, Linda Ong, Janneke Witteveen, Peter Van Dijk, Elisabeth Wilhelm, André Van Beek, Marloes Emous
- GC1.102 Nutritional Profile and Body Fat in Beneficiaries of a Senior Care Center in Tijuana, Mexico**
Juan José Calleja-Núñez, Roberto Espinoza Gutierrez, Jorge Alberto Aburto Corona, Karina Pfrimer, Luis Gabriel Rangel Caballero, Jessica Sanchez Revilla
- GC1.103 Passive dehydration changes bioelectrical impedance's assessed body fat percentage and phase angle in overweight and obese individuals**
Jorge A Aburto-Corona, Juan José Calleja-Núñez, José Moncada-Jiménez, Daniel Rojas-Valverde, José Trejos-Montoya, José A de Paz

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- GC1.104 Postingestive reward acts through behavioural reinforcement and is conserved in obesity**
Gabriela Ribeiro, Ana B. Fernandes, Francisco Oliveira, João S. Duarte, Maria Oliveira, Clotilde Limbert, Rui M. Costa, Durval C. Costa, Albino Jorge Oliveira-Maia
- GC1.105 Beneficial metabolic effects of amino acids, Krebs cycle intermediates and electrical pulse stimulation on C2C12 myotubes**
Letizia Spataro, Chiara Ruocco, Maurizio Ragni, Luca Canciani, Michele O. Carruba, Alessandra Valerio, Enzo Nisoli
- GC1.106 Adverse muscle composition predicts all-cause mortality in obesity – A personalized assessment of sarcopenic obesity using magnetic resonance imaging**
Jennifer Linge, Mikael Petersson, Olof Dahlqvist Leinhard
- GC1.107 Short-term aerobic exercise modulating Mth2 on skeletal muscle and mesenteric adipose tissue of obese mice: searching for lipid homeostasis**
Vivian Cristina Da Cruz Rodrigues, Diego Melo, Gustavo José De Sá Pereira, Thais Dantis Pereira De Campos, Raphael Dos Santos Canciglieri, Cêlio Junior Da Costa Fernandes, Leandro Pereira De Moura
- GC2.014 Navigating Patient Barriers in Obesity Pharmacotherapy: A Multifaceted Approach**
Sandra Elia, Sandy Van
- GC2.015 Text messages with financial incentives for men with obesity, a randomized clinical trial**
Pat Hoddinott, Catriona O'Dolan, Lisa Macaulay, Stephan U Dombrowski, James Swingle, Seonaidh Cotton, Alison Avenell, Abraham M Getaneh, Cindy Gray, Kate Hunt, Frank Kee, Alice MacLean, Michelle McKinley, Claire Torrens, Katrina Turner, Marjon Van Der Pol, Graeme MacLennan
- GC2.016 Changes in consummatory behavior (liking) after liraglutide treatment in adult people with obesity**
Najla Alorayyidh, Ghaliya Abdeen, Madhawi Aldhwayan, Afshan Masood, Assim Alfadda
- GC2.017 Developing a digital intervention to support healthy growth in formula fed infants using the Person-Based Approach: Baby Responsive Intervention for Growth & Health Tracking (BRIGHT)**
Clare Llewellyn, Kristiane Tommerup, Andrea Smith, Rajalakshmi Lakshman, Zohar Preminger, Tiffany Denning, Marcella Cimino, Amy Ahern, Ken Ong
- GC2.018 Changes in body weight, nutrition, and physical activity among the Lithuanian students during and after the COVID-19 quarantine**
Vilma Kriauciūnienė, Vilma Kriauciūnienė, Janina Petkevičienė, Janina Petkevičienė, Asta Raskilienė, Monika Grincaite, Lina Paulauskienė
- GC2.019 Association between obesity phenotype and sleep duration in apparently healthy adults**
Young Sang Lyu
- GC2.020 Alterations in the daily rhythms of body Temperature, Activity and Position (TAP) associate with impaired glucose tolerance**
Maria Rodriguez Martin, Ivan Dozzani, Asunción Turpin, Isabel Maria Fernandez Lizan, Jesualdo Tomas Fernandez Breis, Teresa Muela, Hassan Dashed, Richa Saxena, Frank Scheer, Marta Garaulet
- GC2.021 Evaluating the Efficacy of Community-Based and Online Behavioral Interventions: Experimental Design and Preliminary Insights on Health Outcomes and Obesity**
Emília Sičáková Beblava, Zuzana Kosutzka, Miroslav Beblavy, Matúš Sloboda, Soňa Borošová, Jozef Ukropec, Barbara Ukropcova
- GC2.022 The Role of Pre-Intervention Motivation in Health Behavioral Change: Insights from a Randomized Control Trial on Health Management and Obesity Decreasing Among Seniors**
Emília Sičáková Beblava, Zuzana Kosutzka, Matúš Sloboda, Matúš Sloboda, Soňa Borošová
- GC2.023 GLP-1 receptor agonists: a new frontier in the war against sarcopenia**
Anamaria Andreea Gorzo, Gabriela Roman, Cornelia Gabriela Bala
- GC2.024 Assessing the Validity of Weight Stigma Scales Among Nursing Students**
Alina Delia Popa, Andreea Gherasim, Otillia Ni ă, Lidia Iuliana Arhire, Mariana Graur, Laura Mihalache
- GC2.025 Factors that influence general practitioners' obesity-related clinical practices and determinants of behaviour to target to promote best practice in obesity care: a qualitative exploration**
Leona Ryan, Grainne O'donoghue, Michelle Hanlon, Caroline Heary, Susie Birney, Michael Crotty, Owen Conlan, Jane C Walsh

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- GC2.026** **Impact of sustained weight loss on obesity burden and expenditures using simulation model and exploring behavioral gaps among people with obesity in Thailand: Insights from APAC obesity disease burden study**
Chaicham Deerochanawong, Dilok Piyayotai, Chosita Pavasuthipaisit, Chaiwat Daorueng, Ratiporn Chinthammit
- GC2.027** **The association of smoking with different eating and dietary behaviours: a cross-sectional analysis of 83,781 UK adults**
Arwa Alruwaili, James King, Kevin Deighton, Benjamin Kelly, Zhining Liao, Aidan Innes, Joseph Henson, Thomas Yates, David Thivel, Lore Metz, Alice Thackray, Keith Tolfrey, David Stensel, Scott Willis
- GC2.028** **Association between dairy-rich dietary pattern and metabolic dysfunction-associated steatotic liver disease: Findings from the Korean Genome and Epidemiology Study**
Jun-Hyuk Lee, Jong Hee Lee, Hye Sun Lee, Soyoung Jeon, Min Young Do, Yu Jin Kwon
- GC2.029** **Investigating motivations to eat: Refining and validating a framework of Eating Behaviour Traits in dieters and the general population**
Clarissa Dakin, Graham Finlayson, R. James Stubbs
- GC2.030** **The Relationship Between Ultra-Processed Food Consumption and Obesity and Body Composition in University Students**
ZEYNEP UZDİL, Yasemin Ertaş Öztürk
- GC2.031** **Evaluation of a simple, non-judgemental Nutrition Score to support weight loss within a mobile application**
Rodion Salimgaraev, Rosemary Huntriss, Dimitri Nikogosov
- GC2.032** **Dietary patterns in early childhood: Influence of socioeconomic position and migration status in the Elfe cohort**
Marion Lecorguillé, Alexandra Descarpentrie, Laura Pavicic, Marie Aline Charles, Blandine De Lauzon Guillaín, Sandrine Lioret
- GC2.033** **Obesity and Overweight in Asian Indians Associated with Lower Macronutrient and Energy Consumption as Compared to Normal Weight Individuals**
BRIJ MOHAN MAKKAR, Kirti Soota, Kavita Anand, Namrata Harichandan
- GC2.034** **Associations Between Meal Frequency, Mean Corpuscular Volume, and Incidence of Coronary Artery Disease in Middle-Aged and Older Women Without Anemia**
Sinyoung Cho, Minseon Park
- GC2.035** **Associations of parental periconception dietary glycemic index and load with fertility: A study among couples in the general population**
Mireille C Schipper, Vincent Wv Jaddoe, Annemarie Gmgj Mulders, Romy Gaillard
- GC2.036** **Social Disparities in Children's Diet Early in Life: Mediating Role of Parental Diets in the Elfe birth cohort**
Laura Pavicic, Benoit Lepage, Alexandra Descarpentrie, Marie Aline Charles, Blandine De Lauzon Guillaín, Marion Lecorguillé, Sandrine Lioret
- GC2.037** **The association of dietary patterns with pre-gestational BMI and gestational weight gain in a group of pregnant women in Romania**
Andreea Gherasim, Andreea Maria Mitran, Otilia Ni ä, Laura Mihalache, Lidia Iuliana Arhire, Oana Cioancă, Dumitru Gafi anu, Alina Delia Popa
- GC2.038** **Long-term Hair Cortisone and Long-term Psychological Stress are Associated with Long-term Hedonic Eating Tendencies in Patients with Obesity**
Susanne Kuckuck, Eline S. van der Valk, Robin Lengton, Maryam Kavousi, Sjoerd A. A. Van Den Berg, Elisabeth van Rossum
- GC2.039** **Binge Eating Disorder screening in a sample of Italian outpatients with excess weight**
Nagaia Madini, Simone Lanati, Matteo Manuelli, Rachele De Giuseppe, Alessia Luzzi, Sofia Giorgi, Hellas Cena
- GC2.040** **Applying parental factors and strategies for nutritional support for parents of adolescents with disordered eating behaviour to parents of adolescents with obesity**
Khairunisa Bte Khaider, Elaine Chu Shan Chew, Courtney Davis
- GC2.041** **Association between Neck Circumferences and Insulin Resitance in general population under 50 years**
Kyu Rae Lee, Kyoung Kon Kim, Heuy Sun Suh, Ki Dong Ko, In Cheol Hwang
- GC2.042** **BMI Trajectories and the Influence of Missing Data**
Laura A Gray

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- GC2.043** **Impact of on cardiovascular risk in single-person households among Korean middle-aged adults: A nationwide cohort study (2009-2015)**
Seon Mee Kim
- GC2.044** **Trends of Obesity and Related Diseases in South Korea: An Age-Period-Cohort Analysis**
Kyoung Hwa Ha, Seung Jin Han, Dae Jung Kim
- GC2.045** **Association between temporomandibular disorders and obesity**
Kyoung In Yun
- GC2.046** **Metabolic and genetic risk factors associated with pre-diabetes and type 2 diabetes in Thai healthcare employees: a long-term study from the Siriraj Health (SIH) Cohort Study**
Korapat Mayurasakorn, Pichanun Mongkolsucharitkul, Apinya Surawit, Thamonwan Manosan, Suphawan Ophakas, Sophida Suta, Bonggochpass Pinsawas, Tanyaporn Pongkunakorn, Sureeporn Pumeiam, Winai Ratanasuwan, Mayuree Homsanit, Keerati Charoencholvanich, Yuthana Udomphorn, Bhoom Suktiapat
- GC2.047** **Association between Body Mass Index and Aortic Aneurysm and Dissection Mortality in Koreans**
Mi-Hyang Jung, Sang Wook Yi, Sang Joong An, Choongki Kim
- GC2.048** **Childhood Adversity Trajectories and Weight Status in Young Adult Men: A register-based study including 359 783 Danish Men**
Cathrine Lawaetz Wimmelman, Christoffer Sejling, Rebecca Beatrix Clarke, Leonie Elsenburg, Thorkild I A Sørensen, Naja Hulvej Rod
- GC2.049** **A binational study examining racial and gender differences in adult body mass index and waist circumference between Korea and the United States**
Sunyoung Kim, Seounghyun Eum, Kyung Do Han, Dong Keon Yon, Sang Youl Rhee
- GC2.050** **Prevalence and Trends of the Metabolically Healthy Obese in an Arab Population**
Kaiser A Wani, Balvir Kumar, Nasser M Al-Daghri, Shaun Sabico
- GC2.051** **Post-quarantine changes of body weight gained during the COVID-19 quarantine among the Lithuanian adult population**
Janina Petkeviciene, Asta Raskilienė, Monika Grincaitė, Vilma Kriaucionienė
- GC2.052** **Fib-4 score is an Early Predictor for End-Stage Liver Disease in Young Adults: A Nationwide Retrospective Study**
Michal Kasher Meron, Gilad Twig, Tzipi Hornik Lurie, Pnina Rotman Pikielny, Gil Ben Yakov, Tomas Karpati
- GC2.053** **Trends in childhood BMI, overweight, and obesity among 7-year-old girls during the last six decades**
Maria Bygdell, Klara Hemmed, Jari Martikainen, Claes Ohlsson, Jenny M Kindblom
- GC2.054** **Time trends of the association of body mass index with mortality in 3.5 million young Swedish adults**
Innocent B Mboya, Josef Fritz, Marisa da Silva, Cohort representatives (TBC), Ming Sun, Christel Häggström, Tanja Stocks
- GC2.055** **Prevalence and incidence of obesity in Germany - a cross-sectional cohort study based on claims data**
Patrick Timpel, Niels John, Nils Kossack, Lisa Seitz, Marlo Verket, Dirk Müller-Wieland, Dennis Häckl
- GC2.056** **Changes in BMI after type 2 diabetes diagnosis in Spain: evidence from real-world data**
Anna Palomar Cros, Andrea Pistillo, Talita Duarte-Salles
- GC2.057** **Exploring comorbidity patterns in obesity subgroups of people living with obesity in Germany - a cross-sectional cohort claims data study**
Patrick Timpel, Niels John, Nils Kossack, Lisa Seitz, Marlo Verket, Dirk Müller-Wieland, Dennis Häckl
- GC2.058** **Experience and barriers to weight loss among Bahraini adults who have previously tried to lose weight**
Jamil Ahmed, Amer Almarabbeh, Aseel Alsaleh
- GC2.059** **Association of body mass index (BMI) with all-cause mortality among older adults with and without diabetes in Hong Kong**
Yidan Hao, Hongjiang Wu, Gloria Lau, Kwan Ng, Andrea Luk, Elaine Chow, Ronald Ma, Juliana Chan, Jean Woo, Erik Fung, Alice Kong
- GC2.060** **Metabolically healthy and unhealthy women and men with normal weight, overweight and obesity – The Tromsø Study 2015-2016**
Monika Lund Machlik, Laila Arnesdatter Hopstock, Sameline Grimsgaard, Marie Wasmuth Lundblad

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- GC2.061** **Metabolic dysregulation in lean young Asian women with high adiposity**
Bhuvanesh Dinesh Wadhvani, Li Ting Ang, Natarajan Padmapriya, Jun Shi Lai, Suresh Anand Sadananthan, Navin Michael, Kok Hian Tan, Jerry Kok Yen Chan, Peter D Gluckman, Yap Seng Chong, Keith M Godfrey, Melvin Khee Shing Leow, Johan G Eriksson, Mya Thway Tint
- GC2.062** **Inverse association of extremely high high-density lipoprotein cholesterol and all-cause mortality in Korean population without or with Type 2 Diabetes: Korean Genome and Epidemiology Study-Health Examinees (KoGES-HEXA) cohorts**
Sang Joon An, Mi-Hyang Jung, Choongki Kim, Min Jeong Kim, Chuljin Lee, Youngchan Ahn
- GC2.063** **Prevalence of metabolic syndrome in obesity clinic patients - real world data from a tertiary care hospital in Greece**
Aristeidis Kefas, Maria Mavridou, Machi Reklou, Panagiotis Doukelis, Theocharis Koufakis, Ioanna Zografou, Michael Doumas
- GC2.064** **Combination of uric acid and hemoglobin levels predicts the incident risk of ischemic heart disease rather than uric acid alone in non-diabetic Koreans: a longitudinal study using National Health Insurance data**
Sang Joon An, Mi-Hyang Jung, Choongki Kim, Min Jeong Kim, Chuljin Lee, Youngchan Ahn
- GC2.065** **Cross-sectional study of body composition in Hungary Comprehensive Health Screening Programme during the Covid-19 pandemic (2020-2022)**
Észter Halmy, István Barna, Tennó Daiki, Gergely Dankovics, László Gyula Halmy, András Paksy
- GC2.066** **Metabolic health and obesity-related cancer: variation by sex/gender and body mass index**
Adaora Ezeani, Tanya Agurs Collins
- GC2.067** **Associations between circumference measurements and visceral adipose tissue/subcutaneous adipose tissue levels in women of later reproductive years**
Maria van Kampen, Kristyn Dunlop, Sophie Callanan, Fionnuala Mcauliffe
- GC2.068** **Feasibility and usability of myfood24 dietary analysis software in assessing diets of Nigerian adults: a pilot study of myfood24 West Africa**
Chinwe A. Uzokwe, Chiaka C. Nkwoala, Bassey E. Ebenso, Janet E. Cade
- GC2.069** **Causal associations of general and central adiposity with plasma levels of 2923 proteins in Chinese adults**
Andri Iona, Pang Yao, Alfred Pozarickij, Christiana Kartsonaki, Saredo Said, Neil Wright, Kuang Lin, Derrick Bennett, Robin Walters, Robert Clarke, Zhengming Chen
- GC2.070** **Development of body mass index by education through adult life and in older age among Finnish women and men**
Jatta Salmela, Tea Lallukka, Anu Joki
- GC2.071** **Sugar intake in a sample of young British university students according to participants with obesity and ethnic background**
Antonio Peña-Fernández, Manuel Higuera, Luis Carmona Rosado, EDNA VIVIANA SEGURA ALVARADO, MANUEL FRANCO, Julia Diez, María De Los Angeles Peña
- GC2.072** **Association of abdominal obesity to metabolic syndrome antecedents in Panamanian college students**
Luis Gabriel Rangel, Lourdes Iribarren, Natalie Vásquez, Alba Liliana Murillo, Roberto Espinoza-Gutiérrez
- GC2.073** **Prevalence of overweight, obesity and related factors among medical residents**
Javier Mauricio Duque Rodriguez, Lina María Vera Cala, Lady Rodriguez Burbano, Silvia Alejandra Diaz Jaimes, Jorge Andres Niño Garcia
- GC2.074** **Associations of local and systemic corticosteroids use and changes in weight and waist circumference: the Lifelines cohort study**
Mostafa Mohseni, Eline S. Van Der Valk, Maartje J.b. Van Der Hurk, Mesut Savas, Mariette R. Boon, Elisabeth F.c. Van Rossum
- GC2.075** **Impact of changes in metabolic syndrome and obesity status on type 2 diabetes risk in young adults: a nationwide population-based study**
Yeoree Yang, Joonyub Lee, Seung Hwan Lee, Hyuk Sang Kwon, Mee Kyoung Kim, Jae Seung Yun, Kyungdo Han, Jang Won Son
- GC2.076** **How has the COVID-19 pandemic affected national trends in adult body mass index and obesity?**
Sunyoung Kim, Yeji Kim, Soeun Kim, Hyeon Jin Kim, Dong Keon Yon, Sang Youl Rhee

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- Trends in prevalence of obesity in pregnancy in Ireland: Longitudinal evidence from a large tertiary maternity hospital 2013-2022**
 GC2.077 *Ellen Cosgrave, Mark Germaine, Peter Naughton, Margaret Brennan, Patricia Kearney, Graham Healy, Brendan Egan, Claire Buckley, Amy O' Higgins*
- Prevalence of non-communicable diseases are related to food environments in Iran: An ecological study**
 GC2.078 *Shiva Faghih, Mehran Noori*
- Unveiling the Carbon Footprint of Obesity: A literature review**
 GC2.079 *Michael Kob, Laura Valzoghler, Federica Rungger*
- Socioeconomic differences in family food environments, and associations with BMI amongst 5-11-year-old children in London: a cross-sectional study**
 GC2.080 *Kristiane Tommerup, Andrea Smith, Alice R Kininmonth, David Boniface, Mark Spire, Christina Vogel, Clare Llewellyn*
- 'Adverse effects' of judgmental food labelling program**
 GC2.081 *Orly Tamir, Danit Menachem, Tatyana Kolobov, Sharon Assaf Furman, Orna Baron Epel*
- Georgia challenge to implement food Guidelines and Food system during school for Health of children**
 GC2.082 *Liana Siradze*
- Towards measuring food insecurity stigma: development and validation of the Food Insecurity Self-Stigma Scale and the Food Support Experiences Scale**
 GC2.083 *Natalie Taylor, Emma Boyland, Charlotte A. Hardman*
- Being fed but still left hungry: is the UK free school meal allowance sufficient to buy a healthy, tasty and sustainable meal?**
 GC2.084 *Sundus Mahdi, Annie Connolly, Hannah Brinsden, Tilda Ferree, Maria Bryant*
- Increasing children's access to a hot healthy meal: Implementation and evaluation of auto-enrolment processes for Free School Meals (FSM)**
 GC2.085 *Maria Bryant, Sundus Mahdi, Myles Bremner, Dayna Brackley, Louise Padgett, Shona Goudie, Kate Pickett, Robert Oxley, Bob Doherty*
- Socioeconomic and health predictors for food insecurity, and implications for dietary inequality during the COVID-19 pandemic in Czechia**
 GC2.086 *Maika Ohno, Jan Vávra, Petr Jehlička*
- Working alongside local communities to address food insecurity**
 GC2.087 *Claire L O'Malley, Helen J Moore, Callum Bradford, Joe Dunne, Lisa Harris, Matthew Cotton, Andrea Burrows, Frances Hillier-Brown, Amelia A Lake*
- PRECIS: Building the business case for community-based obesity prevention**
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- GC3.053** **Childhood Obesity – Effect of a 10-week Multicomponent Lifestyle Camp on Body Composition, Metabolic Health, Eating Behavior, Eating-related Problems and Quality of Life**
Dorthe Dalstrup Jakobsen, Lea Brader, Loa Clausen, Kajsa Järholm, Caroline Bruun Abild, Jens Meldgaard Bruun
- GC3.054** **Successful community-based interventions to tackle obesity in Portugal: lessons learned to support BETTER4U – an innovative European project**
Ana Isabel Rito, Inês Figueira, Maria De Fátima Martins, George Dedoussis, On Behalf Of The Better4u Consortium Members
- GC3.055** **Effects of Exercise Modality on Enjoyment and Motivation for Physical Activity in Youth with Obesity**
Gary S. Goldfield, Glen P. Kenny, Angela S. Alberga, Heather E. Tulloch, Steve Doucette, Kevin Simas, Ronald J. Sigal
- GC3.056** **Using ADAPT-ITT to adapt programmes from US as family-based interventions for children with obesity and eating disorders in Singapore**
Khairunisa Bte Khaider, Elaine Chu Shan Chew, Courtney Davis
- GC3.057** **Proof-of-feasibility study of a participatory research program (YPAR) aiming to prevent obesity in children: Chic@s en Acción. GrowH! Study**
Pilar De Miguel Etayo, Laura S Belmon, Manou Anselma, Mai Chin A Paw, Nawien O Nash, Teatske Altenburg, Luis A Moreno
- GC3.058** **Growing up healthy: Obesity prevention tailored to critical transition periods in the early life-course**
Wolfgang Ahrens, Tilmann Brand, Heide Busse, Stefaan De Henauw, Luis Aznar Moreno, Tanja Vrijkotte, Teatske Altenburg, Iris Pigeot, On Behalf Of The Growth! Consortium
- GC3.059** **Using the person-centred approach to co-develop the AIM2Change intervention with young people: helping adolescents to increase their intrinsic motivation to change weight**
Elanor C Hinton, Jennifer S Cox, Aidan Searle, Idoia Iturbe, Gail A Thornton, Rhys Courtney Tucker, Ingram Wright, Claire Semple, Julian P Hamilton-Shield
- GC3.060** **Management of Overweight and Obesity in Transgender Youth in New York, United States**
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Anna Lee, HyunJin Kim
- GC3.062** Revised adolescent PCOS criteria: implications for women's metabolic well-being
Maria Nowak Ciolek, Julia Stachowiak, Katarzyna Krok, Julia Sokal, Zaneta Malczyk, Agnieszka Zachurzok
- GC3.063** The impact of obstructive sleep apnea on endothelial function in a pediatric outpatient weight loss setting
Julie Degraeve, Kim Van Hoorenbeeck, Karolien Van De Maele, Eline Vermeiren, Luc Bruyndonckx, Stijn Verhulst, Annelies Van Eyck
- GC3.064** Pattern of adult disease diagnoses by childhood body mass index
Britt Wang Jensen, Julie Aarestrup, Jennifer L. Baker
- GC3.065** BMI during childhood and puberty and blood pressure in midlife
Lina Lilja, Maria Bygdell, Jari Martikainen, Caroline Schmidt, Annika Rosengren, Göran Bergström, Claes Ohlsson, Jenny M Kindblom
- GC3.066** Association between Personality and Eating Behaviors in Korean Children and Adolescents with Obesity
Eunsol Yoo, Eunju Sung, Kyunghye Park, Hyunsoo Kim, Jihyun Nam
- GC3.067** Body Composition and Non-invasive Indices of Hepatic Fibrosis in Children and Adolescents with Overweight and Obesity
Adi Uretzky, Eyal Cohen Sela, Michal Yackobovitch Gavan, Hussein Zaitoon, Asaf Ben Simon, Eyal Midlij, Ophir Borger, Hagar Interator, Achiya Amir, Hadar Moran Lev, Avivit Brenner, Yael Leberthal
- GC3.068** Positive changes in quality of life of children with severe obesity after personalized, integrated care advice in secondary or tertiary care, followed by local treatment
Bibian van der Voorn, Elise Van Riet, Mila Welling, Renate E.H. Meeusen, Jutka Halberstadt, Erica L.T. van den Akker
- GC3.069** Childhood overweight and obesity management: general practitioners, practice nurses and parents perspectives
Maxime Van Der Velden, Hevy Hassan, Dieuwke Van Schiphof, Madelon Van Tilborg Den Boeft, Sylvia Buis, Wilma Jansen, Patrick Bindels, Marienke Van Middelkoop
- GC3.070** Development of a tool for children with overweight and obesity in general practice: a Delphi study
Maxime Van Der Velden, Madelon Van Tilborg Den Boeft, Sylvia Buis, Wilma Jansen, Patrick Bindels, Marienke Van Middelkoop
- GC3.071** Correlations between appetite-regulating-hormones with body composition after long-term multidisciplinary therapy plus combined training in adolescents with obesity
Ana Claudia Pelissari Kravchychyn, Wagner Luis Prado, Mara Lofrano Prado, Lila Missae Oyama, Lian Tock, Raquel Munhoz Da Silveira Campos Monico, Claudia Maria Da Penha Oller Do Nascimento, Ana Raimunda Dâmaso
- GC3.072** Impact of ultra-processed food intake on visceral fat and neuroendocrine mediators of energy balance in adolescents with obesity undergoing multidisciplinary therapy
Deborah Masquio, Aline De Piano Ganen, Raquel Campos, Patricia Neres, Lila Missae Oyama, Lian Tock, Claudia Maria Da Penha Oller Do Nascimento, Ana Raimunda Dâmaso
- GC3.073** Precisioning risk detection for emerging (pre)diabetes in children applying new reference values of insulin response with oGTT
Robert Stein, Mandy Vogel, Eric Göpel, Jürgen Kratzsch, Matthias Blüher, Wieland Kiess, Antje Körner
- GC3.074** Diverse Obesity Trajectories in a Family, including Identical Twins, with a Pathogenic MC4R Variant
Jane Lim, Amanda J Hooper, Joan Khoo, Wann Jia Loh
- GC3.075** ACTION Teens UK survey: adolescents living with obesity, caregivers and healthcare professionals identify a need for effective weight-related conversations
Carly A. Hughes, Adrian Brown, Kenneth Clare, Louisa J. Ells, Anngona Ghosh, Dinesh Giri, Senthil Senniappan, Jason C. G. Halford
- GC3.076** Somatic Maturation and Indicators of Obesity Among 9-11 Old Children
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- GC3.077** **Is there an elevated risk for developing eating disorder symptoms during family-based behavioral treatment for adolescents with severe obesity?**
Yngvild Sørebo Danielsen, Hanna Skjåkødegård, Denise Wilfley, Rachel Conlon, Helge Molde, Vilde Abel Skodvin, Petur Benedikt Juliusson
- GC3.078** **BMI-based obesity classification misses children and adolescents with elevated cardiometabolic risk due to increased adiposity**
Javier Gómez-Ambrosi, Karina Zapata, Cristina Azcona-Sanjulian, Victoria Catalán, Beatriz Ramírez, Camilo Silva, Amaia Rodríguez, Javier Escalada, Gema Frühbeck
- GC3.079** **Examining the effectiveness of a new digital care model on weight loss for people living with obesity**
Martin Henrik Carlsson, Elin Skoglund, Lars Skoglund, Magnus Nyhlén
- GC3.080** **3-year setmelanotide weight outcomes in patients with Bardet-Biedl syndrome and obesity**
Jack A. Yanovski, Gabriel Ángel Martos Moreno, Sonali Malhotra, Guojun Yuan, Wendy Chung, Hélène Dollfus, Karine Clément
- GC3.081** **Early-Onset of Obesity-Model: Impact of early weight reduction on life expectancy and on risks of comorbidities in a patient with severe, early-onset obesity**
Urs C. H. Wiedemann, Erica Van Den Akker, Thomas M. Barber, Karine Clément, Sadaf Farooqi, Anthony P. Goldstone, Claude Marcus, Luis A. Moreno Aznar, Christine Poitou, Jan Luca Schorfheide, Nicolas Touchot, Martin Wabitsch, Peter Kühnen
- GC3.082** **Early-Onset of Obesity-Model: Impact of early-onset obesity on life expectancy and on risks of comorbidities**
Urs C. H. Wiedemann, Erica Van Den Akker, Thomas M. Barber, Karine Clément, Sadaf Farooqi, Anthony P. Goldstone, Claude Marcus, Luis A. Moreno Aznar, Christine Poitou, Jan Luca Schorfheide, Nicolas Touchot, Martin Wabitsch, Peter Kühnen
- GC3.083** **10 years results of Laparoscopic Sleeve Gastrectomy (LSG) in young patients (<25 years old) with severe obesity: a single institution experience**
Alice Albanese, Mirto Foletto, Amanda Belluzzi, Luca Prevedello, Giulia Pozza
- GC3.084** **Holbæk Obesity Treatment (HOT) versus Conventional Obesity Treatment (COT) in children with obesity - An investigator-initiated, multi-centre RCT with blinded outcome assessment**
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- GC3.085** **Hepatic and lipidic assessment in children with overweight and obesity**
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- GC3.086** **Fast Track to Health. Change in psychosocial outcomes during a randomised controlled trial of intermittent energy restriction in adolescents with obesity**
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- GC3.087** **What is at the heart of depression? Studying the link between depressive symptoms and emotion regulation on a psychophysiological level in youth with obesity**
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- GC3.088** **A longitudinal study of psychological distress and changes in body mass index in adolescents with overweight/obesity in Singapore**
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- GC3.089** **Characteristics of additional clinical support provided for adolescents with obesity participating in a dietary intervention: Fast Track to Health**
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- GC3.090** **A UK-Based Specialist Children Weight Management Approach: Initial Outcomes from the Family Therapy Pathway**
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- GC3.091** **Time Limited Psychology Provision in a Tier 3 Multidisciplinary Service for Children living with Severe Obesity and Associated Health Complications**
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- GC3.092** **Obesity management of Polycystic ovary syndrome**
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- Influence of the home and school food environment on childhood overweight and obesity in Madrid**
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- Genetics of Childhood Obesity: Data from a tier 3 paediatric weight management service in Bristol, UK**
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- GC3.127** Seasonal variance of (25OH) Vit D among obese women in North Macedonia
Sonja Panovska, Argent Mucha, Iskra Bitovska
- GC3.128** Virtual Coaching Interventions for Secondary 2 Students with Obesity in Singapore: A Comparative Study
Si Jack Chong, Jeslin Loh, Melissa Koh, Rachael Phua, Ling Chew, Khuan Yew Chow, Hui Chin Ng, Mollie Seow
- GC3.129** Increased body mass index is associated with specific causes of hospitalization: A single-centre, cross-sectional study from Greece
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- GC3.132** LIVELY: Multidimensional school-based and family Involved interVentions, to promote a hEalthy and sustainable LifesTyle for the childhood obesity primary prevention, a Study Protocol
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- GC3.133** Body Composition Progression in Pediatric Patients Enrolled in a Two-Year Obesity Management Programme: A Two-Year Follow-Up
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Inês Figueira, Gonçalo Figueiredo Augusto, Ana Isabel Rito
- GC4.020** High prevalence of positive genetic obesity variants in postoperative bariatric surgery patients with weight regain presenting for medical obesity intervention
Gitanjali Srivastava, Jason M Samuels, Nina U Paddu, Akhil Rekulapeli, Ayush Madhar
- GC4.021** Bariatric surgery. Does it improve pain and opioid use?
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- GC4.022** Can a mobile app for post bariatric surgery patients help to address concerns and reduce calls to nurses?
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- GC4.023** Bariatric surgery outcomes in patients with severe obesity (BMI ≥ 50 kg/m²)
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- GC4.024** Outcomes of One Anastomosis Gastric Bypass in 472 Patients with Diabetes Mellitus
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- GC4.025** Long-term trajectories of weight and health outcomes following multidisciplinary publicly funded bariatric surgery in patients with clinically severe obesity and ≥ 3 comorbidities: A 9-year prospective cohort study in Australia
Michelle M. C. Tan, Craig Taylor, Philip Le Page, Xingzhong Jin, Adrian K. Low, Ang Li, David Martin, David Joseph, Nic Kormas
- GC4.026** Changes in homeostatic and hedonic appetite 1-year after weight loss induced by diet or bariatric surgery
Marthe Isaksen Aukan, Jens Frederik Rehfeld, Jens Juul Holst, Graham Finlayson, Catia Martins

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- GC4.028** **Outcomes of a Swallowable Intra-gastric Balloon (Elipse™) on 96 Overweight and people with obesity**
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- GC4.029** **Single Port Sleeve Gastrectomy Versus Multiple Port Sleeve Gastrectomy**
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- GC4.031** **Bone mineral density and turnover after gastric bypass versus sleeve gastrectomy in people with severe obesity and type 2 diabetes: 5-year results from the Oseberg randomized clinical trial**
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- GC4.032** **Improvement in dilated cardiomyopathy after bariatric surgery – a case study**
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- GC4.034** **Addressing technological challenges affecting compliance in micronutrient and protein supplementation after metabolic and bariatric surgery (MBS)**
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- GC4.035** **Anti-angiotensin II type 1 and anti-endothelin 1 type a receptor autoantibodies concentration are modulated by bariatric surgery in patients affected by severe obesity**
Angelo Di Vincenzo, Mattia Pesavento, Chiara Purificati, Matteo Marchegiani, Simona Pavone, Elisabetta Trevellin, Marnie Granzotto, Roberto Vettor, Marco Rossato
- GC4.036** **Health outcomes after bariatric surgery for patients suffering from mental illness compared with the general population: a retrospective cohort study using a large mental health database**
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- GC4.037** **Telephone-based cognitive behavioral therapy for post-operative bariatric surgery patients: Long-term psychosocial outcomes from a multi-site randomized controlled trial**
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- GC4.038** **Evaluation of weight loss, metabolic outcomes and long-term mental health in people with obesity undergoing bariatric surgery**
Emma Adriana Chávez Manzanera, Alejandra Locken Castilla, Fernando Pérez Hernández
- GC4.039** **Better Family APGAR score Can Make Better Weight Loss after Bariatric Surgery**
Young Sung Suh, Seung Wan Hong, Seung Wan Ryu, Hye Soon Kim, Mi Kyung Kim
- GC4.040** **Workload-indexed blood pressure during submaximal and maximal exercise in patients with severe obesity before and after bariatric surgery**
Francesca Battista, Marco Vecchiato, Giulia Quinto, Federica Duregon, Sara Faggian, Anna Centanini, Silvia Bettini, Andrea Gasperetti, Luca Busetto, Daniel Neunhaeuserer
- GC4.041** **Instauration of protein supplementation immediately after bariatric surgery ensures achieving minimal protein requirements**
Maitte Aguas Ayesa, Patricia Yáñez Esquiroz, Laura Olazarán, Camilo Silva, Carolina M. Perdomo, Marta García Goñi, Patricia Andrada, Javier Escalada, Manuel F Landecho, Victor Valentí, Javier Gómez Ambrosi, Gema Fruhbeck
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Julien Lebleu, Joren Christiaens, Bob Moens, Bert Verbeke, Isabelle Deberg
- GC4.043** **TSD-OC as a Measure of Disability in Patients with Severe Obesity Before and After Sleeve Gastrectomy**
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- GC4.044 Potential role of endogenous GLP-1 on arterial stiffness and renal hemodynamics following bariatric surgery**
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- GC4.045 Dietetic Intervention to Optimise pre Bariatric Surgery Glycaemic Management**
Amanda Bhynehart, Claire Kennedy, Jean O' Connell
- GC4.047 Breast cancer risk following bariatric surgery - implications of genetic variation in the Fat mass and Obesity-associated protein (FTO) -gene**
Elin Langegård, Felipe M Kristensson, Johanna C Andersson Assarsson, Per Arne Svensson, Kajsa Sjöholm, Lena Ms Carlsson, Markku Peltonen, Magdalena Taube
- GC4.049 Exploring primary care and specialist weight management services healthcare professionals' views, experiences, and behaviours around long-term post-bariatric surgery care in the UK**
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- GC4.050 Treatment of obesity: comparison of bariatric surgery versus pharmacotherapy versus lifestyle modifications and their combinations**
Giulia Maria Pontesilli, Beatrice Gusella, Filippo Cappellini, Sara Bellettato, Alessandro Toffolon, Roberto Fabris, Paolo Girardi, Chiara Dal Prà, Eva Zabeo, Alessandro Scarda, Gabriella Milan, Anna Pilatone, Mirto Foletto, Luca Prevedello, Alice Albanese, Roberto Vettor, Luca Busetto, Silvia Bettini
- GC4.051 Lower postprandial hyperinsulinemic hypoglycemia like symptoms may help identify patients with lower post-bariatric late dumping syndrome: a retrospective observational study**
Dario Tuccinardi, Massimiliano Ugoccioni, Giovanni Rossini, Lavinia Monte, Mikiko Watanabe, Paolo Pozzilli, Nicola Napoli, Silvia Manfrini
- GC4.052 Study of sex differences in bariatric surgery: a single-center study**
Federica Sileo, Amalia Bruno, RAMONA DE AMICIS, Francesco Frattini, Andrea Gambetti, Francesca Bodini, Santo Colosimo, Laura Ini, SIMONA BERTOLI
- GC4.053 Experiences of conducting online workshops on long-term post-bariatric surgery care with a combination of healthcare professional, commissioner and patient participants in the Promise Care Study**
Helen M Parretti, Ross Watkins, Laura L Jones, Ken Clare, Emma Shuttlewood, Kate Jolly, Colin J Greaves, Karen Coulman, Nick Cavill
- GC4.054 Impact of Socioeconomic Status on Medium Term Outcomes of Bariatric Surgery in a Universal Healthcare System Setting**
Carolina Sager La Ganga, Iñigo García Sanz, Elena Carrillo López, Víctor Navas Moreno, Mónica Marazuela Azpiroz, Raffaele Carraro, Fernando Sebastián Valles
- GC4.055 Metabolic benefits following bariatric surgery in male versus female patients**
Simone Leonora Huber, Verena Parzer, Bernhard Ludvik, Johanna Maria Brix
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Cécile Ciangura, Bénédicte Lelievre, Bérénice Segrestin, Claire Rives-Lange, Barbara Heude
- GC4.058 Barriers to obesity management - lived experiences of people with obesity in Mexico**
Claudia Martínez-Cordero, Alberto Siniego, Daniel Kusnir, Miguel Alejandro Saquimux Contreras, Ximena Ramos Salas
- GC4.059 Investigating the efficacy of GLP-1 receptor agonist in combination with sleeve gastrectomy using rats with obesity and diabetes**
Yan Gu, Jason Widjaja
- GC4.060 Participants with sarcopenic obesity have greater glycemic variability, muscle mass loss and mild cognitive impairment after bariatric surgery**
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- GC4.061 Laparoscopic Sleeve Gastrectomy (LSG) after laparotomic central hepatectomy is challenging but feasible**
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- GC4.062** **Dietetic medical nutrition therapy support needs following bariatric surgery: data from a national bariatric service in Ireland**
Cathy Green, Amanda Rhynehart, Jessica Mellotte, Sarah O'keeffe, Grace Maher, Mallory Noone, Jean O'connell, Helen Heneghan, Naomi Fearon
- GC4.063** **Fertility and Contraception In Post-Bariatric Surgery Patients**
Tiago Dias, Bárbara Arruda, Diogo Toledo, Guilherme Giorelli, Alessandra Bedin-Pochini
- GC4.064** **Prevalence of pre- and post-operative nutritional deficiencies in different types of bariatric surgery**
Marcella De Sousa, Luís Henrique Simões Covello, Carla Oranges B Macriani, Barbara C A C Lacerda, Eliana Molinari de Carvalho Leitao Disarz, ROGER Bongestab, Diogo Toledo, Guilherme Giorelli, Alessandra Bedin-Pochini
- GC4.065** **Assessment of preoperative predictive factors for type 2 diabetes remission 3 years after bariatric surgery: results from a portuguese cohort**
João Oliveira Torres, Maria Salomé Serranito, Diana Martins, Cristina Santos, Vaneska Reuters, Nelson Cunha, Inês Rego De Figueiredo, Ana Catarina Pereira, Anabela Guerra, Nuno Borges, Celso Nabais, António Albuquerque, João Fonseca Pereira, Leonor Manaças, José Silva-Nunes
- GC4.066** **Semaglutide 2.4 mg/sem is effective for weight loss at 1 year with or without prior bariatric surgery**
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- GC4.067** **One anastomosis gastric bypass vs roux-en-y gastric bypass: short- to medium-term effectiveness in a single center**
Federica Pippa, Cristina Sciacovelli, Ercole Franco, Valentina Pasquali, Emmanuele Capobianco, Federica Delfini, Paolo Bernante, Francesca Balsamo, Uberto Pagotto, Silvia Garelli
- GC4.068** **Weight Loss and Changes in Body Composition One Year After Single Anastomosis Sleeve Ileal bypass and Sleeve Gastrectomy**
Andrey Ugay, Natalya Yuskina, Marija Miasnikova
- GC4.069** **Impact of bariatric surgery on the reduction of premature ageing in obesity**
Alicja Dudek, Barbara Zapala, Ilona Kawa, Karol Cizek, Piotr Tylec, Michał Wysocki, Wojciech Zgliczyński, Piotr Major
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- GC4.071** **Effect of bariatric surgery on TSH levels and levothyroxine dosage in patients with thyroid disease: Sleeve gastrectomy vs Roux-en-Y Gastric bypass**
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- GC4.072** **Correlation between irisin and renal function in patients with obesity undergoing bariatric surgery**
Miruna Maria Popa, Anca Sirbu, Elisabeta Malinici, Carmen Sorina Martin, Luminita Cima, Carmen Gabriela Barbu, Catalin Copaescu, Simona Fica
- GC4.073** **Soluble P2X7 receptor may represent a novel biomarker of inflammation in obesity and its plasma levels are reduced by metabolic surgery**
Angelo Di Vincenzo, Simona Pavone, Chiara Purificati, Matteo Marchegiani, Beatrice Barbato, Leonardo Molinari, Marnie Granzotto, Roberto Vettor, Marco Rossato
- GC4.074** **Beyond restrictive: Sleeve Gastrectomy to Single Anastomosis Duodenoileal Bypass with Sleeve Gastrectomy as a spectrum of one single procedure**
Ana Marta Pereira, Diogo Moura, Sofia S Pereira, Sara Andrade, Rui Ferreira Almeida, Mário Nora, Mariana P Monteiro, Marta Guimaraes
- GC4.075** **Secondary hyperparathyroidism, bone remodeling markers and lean mass after bariatric surgery**
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- GC4.076** **The role of modulation of cellular senescence in the metabolic effects of bariatric surgery**
Soňa Hubáčková Štemberková, Tereza Havrlantová, Igor Šimonik, Martin Haluzik
- GC4.077** **Bariatric surgery: Does it improve pain or opioid use?**
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- GC4.079** **Supporting ethnically diverse populations within a national diabetes intervention; a qualitative evaluation of the experiences of coaches delivering the NHS Low Calorie Diet Programme Pilot**
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- GC4.080** **Innovative Strategies in Obesity Management: A Holistic Approach**
Bahat Ghazanfar
- GC4.081** **Prevalence and associated risk factors of overweight and obesity among adult population in Dubai: A population-based cross-sectional survey in Dubai, the United Arab Emirates**
Hamed Yahya Hussein
- GC4.082** **Is Osteosarcopenic Obesity a New Phenotype to Consider in Weight-Management Settings? A crosstalk between fat, muscle and bone**
Marwan El Ghoch, Antonino De Lorenzo, Leila Itani, Paola Gualtieri, Massimo Pellegrini, Laura Di Renzo
- GC4.083** **The impact of sweeteners on eating behaviours during a weight maintenance RCT in adults and children with overweight: SWEET project**
Clarissa Dakin, Kristine Beaulieu, Jason Halford, Monique Raats, Adrian Banks, Lada Timotijevic, Ana Romo Hualde, Eva Almiron Roig, Santiago Navas Carretero, J Alfredo Martinez, Anne Raben, Louise Kjølbæk, Sabina Stoffer, Hjort Andersen, Ellen Blaak, Michelle Pang, Jacco Bastings, Yannis Mannios, Kiriakos Reppas, Joanne A Harrold
- GC4.084** **GPSO (Gestion du Parcours de Sante dans l'Obesité) Obesity Clinical Pathway Management in Primary Care**
Monique Romon, Jocelyne Raison, Carole Debailleul, Florence Menesguen, Thomas Bozzo
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Pramod Tripathi, Diptika Tiwari, Nidhi Kadam, Thejas Kathrikolly, Anagha Vyawahare, Baby Sharma, Malhar Ganla, Nishikant Bhanagay, Amruta Prabhu, Pournima Kulkarni, Banshi Saboo
- GC4.086** **Changes in cardiorespiratory fitness, maximal leg strength, and body weight in patients with severe obesity – A clinical prospective cohort study**
Jarle Berge, Jarle Berge, Jøran Hjeltnes, Jens Kristoffer Hertel, Espen Gjevestad, Espen Gjevestad, Line Kristine Johnson, Øyvind Støren
- GC4.087** **Evaluation of an app-based multimodal lifestyle intervention in persons with obesity – results of a randomized controlled study**
Kathrin Gemesi, Stefanie Winkler, Susanne Schmidt Tesch, Florian Schederecker, Hans Hauner, Christina Holzapfel
- GC4.088** **Application of DiOGenes study findings in real-life setting: the French RNPC Program for long-term overweight/obesity management**
Arne Astrup, Odile Fabre, Sébastien BAILLY, Mithieux Gilles, Rémy Legrand, Charlotte Costentin, Jean Louis Pépin
- GC4.089** **Participants' reasons for discontinuing an internet-delivered treatment for obesity: an interview study**
Annika Imhagen, Stefan Jansson, Fredrik Söderqvist, Jan Karlsson, Marije Galavazi, Agneta Anderzén Carlsson
- GC4.090** **Effectiveness of Slimming World's digital weight management service**
Josef Toon, Amanda Avery, Sarah Elizabeth Bennett, Jemma Donovan, Carolyn Pallister
- GC4.091** **Weight Outcomes by Socioeconomic Status and Region for Slimming World's Digital Weight Management Service**
Josef Toon, Amanda Avery, Sarah Elizabeth Bennett, Jemma Donovan, Carolyn Pallister
- GC4.092** **Evidence-based optimisation of PROGROUP, a group-based intervention for people living with severe obesity: The importance of fidelity to delivery and the patient experience**
Lily Hawkins, Dawn Swancutt, Shokraneh Moghadam, Rod Sheaff, Jonathan Pinkney, Mark Tarrant, Jenny Lloyd
- GC4.093** **Educational games in the health promotion of adolescents with obesity: integrative review**
Cicero Jordan Rodrigues Sobreira da Silva, Raimundo Augusto Martins Torres, Francisco Clécio da Silva Dutra, Maria Veraci Oliveira Queiroz
- GC4.094** **Multidisciplinary therapeutic group approach for patients with obesity: a pilot project**
Luisella Vigna, Alessandra Piontini, Gianna Maria Agnelli, Elena Caglioni, Maria Rosaria Ingenito, Chiara Dal Ri, Elena Bezze

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- GC4.095** **A systematic review and meta-analysis of appetite-related hormone changes after weight loss induced by calorie restriction, exercise, or both in people with overweight or obesity**
Zhuoxiu Jin, Jiajin Li, Alice E Thackray, Kevin Deighton, Tonghui Shen, James A King, David J Stensel
- GC4.096** **Impact of Roczen, a Time Restricted Eating weight management programme on eating behaviours and depression**
Siri Steinmo, Adrian Brown, Laura Falvey, Ling Chow, Claudia Ashton, Dipesh C Patel, Jonathan T C Kwan, Barbara McGowan
- GC4.097** **Thalassotherapy in the management of obesity in Bulgaria: 20 years' experience**
Svetoslav Handjiev, Ognian Softov, Encho Kalchev, Dobrinka Bliznakova, Iskren Kocev
- GC4.098** **Investigating the synergy between intermittent fasting and low-carbohydrate dietary approaches in post-menopausal women with obesity**
Julia Rius Bonet, Alicia Aguilar Martínez, Olga Rosell Ripoll, Guillem Cuatrecasas, Salvador Macip, Daniel Closa, Marta Massip Salcedo
- GC4.099** **Feasibility of Time-Restricted Eating in the Treatment of Type 2 Diabetes – the RESET2 Pilot Study**
Anne-Ditte Termannsen, Annemarie Varming, Gitte Stage Hansen, Natasja Bjerre, Frederik Persson, Jonatan Ising Bagger, Dorte Lindqvist Hansen, Bettina Ewers, Nils Bruun Jørgensen, Martin Bæk Blond, Nana Folmann Hempler, Kristine Færch, Jonas Salling Quist
- GC4.100** **Association Between Physical Activity, Socioeconomic Status, Diet, And Blood Biomarkers in Lebanese Adults**
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- GC4.101** **Effects of plant-based diets on markers of insulin sensitivity: A systematic review and meta-analysis of randomised controlled trials**
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- GC4.102** **Preventing Obesity Through Biologically And Behaviorally Tailored Interventions; Description Of The BETTER4U Project**
Maria Kafyra, Ioanna Panagiota Kalafati, Panagiotis Moulos, Lisa Marie Breyer, Rodessa May Marquez, Jon Anders Eriksson, Paulina Krzywicka, Aleksandra Luszczynska, Christos Diou, Stavroula Mouggiakakou, Chrysa Episkopou, Anastasios Delopoulos, Eva Karaglani, Yannis Manios, Yannis Manios, Ruben Willems, Nick Verhaeghe, Darya Silchenko, Stephan Kampshoff, George V Dedoussis, George V Dedoussis, On Behalf Of The Better4u Consortium Members
- GC4.103** **The effects of adiposity and exercise training on acylated ghrelin: analyses from the VitaDEX randomised controlled trial**
Jiajin Li, Alice E. Thackray, Zhuoxiu Jin, James A. King, Oliver J. Perkin, Dylan Thompson, Sophie E. Davies, Javier T. Gonzalez, David J. Stensel
- GC4.104** **Effects of the MoveMore lifestyle intervention on immunological, psychological and psychological variables in individuals with overweight, or Class I or Class II obesity**
Ruth D. Postlethwaite, Matteo Crotti, Ben Lee, Ben Lee, Michael Duncan
- GC4.105** **The Yazen model: Obesity care through a holistic digital approach integrating medical treatment, lifestyle intervention, and social support**
Martin Henrik Carlsson, Elinor Medhammar, Erik Dunåker, Magnus Nyhlén, Elin Skoglund, Calle Mauritzson, Angelica Brandelius
- GC4.106** **Clinical care pathway for pregnant patients with overweight, obesity and/or excessive weight gain: the experience of the SIAN Nutrition Clinic of Bassano del Grappa (Italy)**
Monica Zamprogna, Chiara Tessaro, Perin Luca, Stano Antonio
- GC4.107** **Before screen time and physical activity assessment as predictors of insulin resistance and weight gain problems**
Tzvetelina Totomirova, Mila Arnaudova, Nikolay Kostadinov
- GC4.108** **Unmet training needs for staff delivering group-based obesity care: Lessons from the PROGROUP study**
Shokraneh Moghadam, Dawn Swancutt, Lily Hawkins, Rod Sheaff, Jonathan Pinkney, Mark Tarrant, Jenny Lloyd
- GC4.109** **Insights of Individuals Living with Obesity Completed an Adult Weight Management Programme in the UK**
Asiye Busra SIRIN AYVA, Rupy Kaur Roberts, Sophie Edwards, Paul Gately
- GC4.110** **Physical exercise and anthropometric variables, body composition and grip strength in elderly people from a low-income day home on the Mexico-United States border**
Roberto Espinoza Gutiérrez, Jorge Alberto Aburto Corona, Juan José Calleja Núñez, Karina Pfrimer, Luis Gabriel Rangel Caballero, Elena Cecilia Guzmán Gutiérrez

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- GC4.111** **Real-world Weight Loss Outcomes of Optifast® Total Meal Replacement Program in a Community Clinic**
Padmaja Naidu, Caroline Hamm, Alex Klas, Daniel Lupas, Mihir Modi, Rishi Naidu, Rong Lou
- GC4.112** **Changes in microbiota profile persist after a year of having completed the dietary intervention of weight loss with ketogenic diet**
Alba Subiri Verdugo, Juan Alcaide, María José García López, Carolina Gutiérrez Repiso, José Manuel García Almeida, Ignacio Sajoux, Francisco J. Tinahones, Isabel Moreno Indias
- GC4.113** **Can the delivery of behavioural support be improved in the NHS England Low-Calorie Diet Programme? An observational study of behaviour change techniques**
Tamla Evans, Kevin Drew, Jim Mckenna, Pooja Dhir, Jordan Marwood, Charlotte Freeman, Andrew Hill, Lisa Newson, Catherine Homer, Jamie Matu, Duncan Radley, Louisa Ells
- GC4.114** **The effectiveness of primary motivational counseling in patients with obesity and cardiovascular diseases**
Sofia Eliashevich, Alina Misharova, Anastasia Orekhova, Ekaterina Stepanova, Polina Zimina, Daniel Nunes Araukho, Oksana Drapkina
- GC4.115** **The role of emotional intelligence in adult appetite traits**
Konstantina Panagiota Ralli, Mavrommati Styliani, Mastoura Christine, Takousi Maria, Mestana Stalo, Fappa Evangelia
- GC4.116** **Assessment of prediabetes in patients with obesity**
Verena Parzer, Simone Leonora Huber, Bernhard Ludvik, Johanna Maria Brix
- GC4.117** **Examining the effectiveness of lifestyle intervention in pilot community based health promotion program**
Eszter Halmly, Gertrúd Kovács, Krisztina Kovács, László Gyula Halmly, András Paksy, Ferenc Kovács
- GC4.118** **In people with obesity and newly diagnosed with chronic kidney disease, does weight loss delay disease progression? A population-based cohort study using the UK clinical practice research datalink**
Maximiliane Verfürden, Volker Schneck, Silvia Capucci, Morten Rix Hansen, Shweta Uppal, David C. Wheeler
- GC4.119** **Evaluating the Psychometric Properties of LOCES and LOCES-B: A Comprehensive Analysis in a Portuguese Community Sample and Among Individuals Undergoing Bariatric Surgery**
Marta De Lourdes, Conceição Eva, Jorge Sinval, Andreia Ribeiro, Sílvia Félix, Catarina Gomes, Paulo Machado
- GC4.120** **Evaluation of the effect of Advanced Hybrid Closed-Loop Therapy on body weight: Outcomes in a real-world Setting**
Elena Pérez Galende, Gema González Fernández, Pablo Lozano Martínez, Clara Rivera Fernández, César Avellanad Fabón, María Orosia Bandrés Nivela
- GC4.121** **Long-term Support Following Bariatric Surgery: 18-month outcomes of a Stepped Care Intervention Program using social media**
Marta De Lourdes, Eva Conceição, Paulo Machado, Andreia Ribeiro, Crio Group, Inês Ribeiro, Catarina Gomes
- GC4.122** **Comparison of HbA1c and weight change during long treatment of patients with obesity and type 2 diabetes with semaglutide and dulaglutide**
Stepan Svacina, Jan Hendl
- GC4.123** **Long-term effects of physical activity on weight loss, glyco-metabolic parameter and blood pressure in people undergoing bariatric surgery: a 5-year follow-up study**
Linda Bonvicini, Diego Moriconi, Laura Manca, Antonio Troilo, Emanuele Guidotti, Carlo Moretto, Eleni Rebelos, Monica Nannipieri
- GC4.124** **Cardiovascular benefit of SGLT2 inhibitors in kidney transplant recipients with diabetes mellitus**
Idit Dotan, Amir Polansky, Idan Bergman, Gida Ayada, Tania Bebič, Amit Akirov, Tali Steinmetz, Talia Diker Cohen
- GC4.125** **What can we learn about sustainable weight loss from members of an online community of practice?**
Ruth Kane
- GC4.126** **Association between glycemic status and all-cause mortality among individuals with dementia: a nationwide cohort study**
Ga Eun Nam, Seon Mee Kim, Youn Huh, Kye Yeung Park, Soo Lim
- GC4.127** **The gut microbiota variation after 6 months of a Weight Loss Intervention: The WLM3P Study**
Vanessa Patricia Moutinho Pereira, Rita Salvado, Inês Barreiros Mota, Filipa Cortez, Inês Castela, Conceição Calhau, André Moreira Rosário, Marta P. Silvestre

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- GC4.128** **Characteristics of diabetic neuropathy with or without abdominal obesity in type 2 diabetes: Results from a National Health Insurance Service–National Sample Cohort, 2015**
Chnong Hwa Kim, Su Jin Jeong, Dae Jung Kim, Sung Rae Kim
- GC4.129** **Prevalence of difficult experiences in childhood among people living with obesity and the effect on treatment**
Hildur Thors, Hjalti Kristjánsson
- GC4.130** **Relationship among the triglyceride–glucose index, blood uric acid levels, and prevalence of gout in Korean adults: Eighth Korean National Health and Nutrition Examination Survey (2019–2021)**
Ji-Hee Haam, Taejin Ahn
- GC4.131** **Increased physical activity is associated with faster gastric emptying in people with overweight or obesity at high risk of type 2 diabetes**
Trine Spragge Ekblond, Marie Møller Jensen, Hanne Enghoff Pedersen, Kim Katrine Bjerring Clemmensen, Mathias Ried Larsen, Louise Groth Grunnet, Martin Bæk Blond, Kristine Færch, Christina Brock, Jonas Salling Quist
- GC4.132** **Does Obesity Reduce the Efficacy of PDL1 Therapy in Triple Negative Breast Cancer?**
Chih-Yu Hsu, Hsiang-Sheng Wang
- GC4.133** **The impact of regular exercise on cardiometabolic fitness and memory is related to reduced levels of residual platinum in testicular germ cell cancer survivors**
Barbara Ukropcová, Ali Amiri, Lucia Slobodová, Karin Marček Malenovská, Katarína Rerková, Martin Schon, Viktor Oliva, Viera Litváková, Milan Sedliak, Martin Krššák, Tomáš Pluháček, Michal Mego, Michal Chovanec, Jozef Ukropec
- GC4.134** **Association of Neck Circumference with Dyslipidemia and Cutoff Point Determination for Cardio-Metabolic Risk in the Korean Population: Insights from KNHANES 2019–2021**
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- GC4.135** **Long-term preservation of lean mass and loss of fat mass after intensive lifestyle intervention in older adults with obesity and type 2 diabetes**
Robert Memelink, Aveline Hijlkema, Bas Valentin, Martinet Streppel, Wilrike Pasman, Suzan Wopereis, Johan De Vogel-van den Bosch, Michael Tieland, Josje Schoufour, Ivan Bautmans, Peter Weijs
- GC4.136** **Very low-calorie ketogenic diet (VLCKD): a tool for fat kidney?**
Tonia Di Lorenzo, Ludovica Verde, Annamaria Docimo, Giovanni Chirico, Nicola Tecce, Annamaria Colao, Luigi Barrea, Giovanna Muscogiuri
- GC4.137** **Efficacy of Psychological Interventions in the Management of Overweight and Obesity: A Scoping Review**
Lina Maria Gonzalez Ballesteros, Luisa Fernanda González Ballesteros, Dinabel Dinabel Peralta-Reich, Óscar Gómez, Mariana Vásquez, Sebastian Fernández De Castro
- GC4.138** **Advances and Challenges in Sarcopenic Obesity Treatment: A Comprehensive Review of Interventions, Diagnosis, and Prognosis**
Helena Simpson Laguardia, Paula Botelho Bonamigo, Nathalia Ranny Rodrigues Bicalho, Marcos Antonio Moura Oliveira, Luis Augusto Rovela Junior, Juliana Triffer, Diogo Toledo, Guilherme Giorelli, Alessandra Bedin-Pochini
- GC4.139** **Beta cell mass changes in patients with type 2 diabetes after gastric bypass surgery, as quantified by Ga-68-exendin-4 PET/CT**
Laura Deden, Marti Boss, Hans De Boer, Edo Aarts, Frits Berends, Arianne Van Bon, Eric Hazebroek, Bastiaan De Galan, Martin Gotthardt
- GC4.140** **Carotid intima-media thickness is predicted by hepatic steatosis imaging changes but not handgrip strength in patients with obesity**
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- GC4.141** **Effect of Exercise and GLP-1 Receptor Agonist Treatment on Sub-clinical Atherosclerosis in Adults with Obesity: A Randomized Clinical Trial**
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- GC4.142** **Hyperhomocysteinemia, Vitamin B12 and Folate Deficiency: The Relationship With Obesity And Cardiovascular Risk**
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- GC4.143** **Glycemic control and irisin levels in patients with type 2 diabetes mellitus and sarcopenic or non-sarcopenic obesity**
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- GC4.144** **A case report on GLP-1 agonist's dual effect on obesity and osteoporosis in young female patient**
Irina Muradyan, Lusine Navasardyan
- GC4.145** **Exploratory post hoc analysis of effect of GlucoLo Plus on average fasting glycemia and weight in the GLEEN randomized trial: Efficacy and Safety of GlucoLo Plus in Type 2 Diabetes Management**
Alexandro Ricardo Zarruk
- GC4.146** **Are specific goals to improve diet and physical activity part of care management plans in primary care for type 2 diabetes patients? Evidence from practice**
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- GC4.147** **Observational study on the prevalence of overweight and obesity in patients aged 18 and older, seen in general medicine, diabetology, internal medicine, and endocrinology consultations in both public and private sectors**
Amar Tebaibia, Ahmed Nebab, Zakia Arbouche, Soraya Ayoub, Djamilia Nadir
- GC4.148** **Obesity and PCOS as an implication for diagnosis and treatment**
Rayna Stoyanova, Zlatanova Evelina
- GC4.149** **Waist Circumference obesity and the risk of rheumatoid arthritis: a prospective cohort study of middle-aged women**
Yuan Yuan Dong, Darren C. Greenwood, Laura J. Hardie, Janet E. Cade
- GC4.150** **Health Profile of Sumo Wrestlers**
Hassan Massoud Heshmati
- GC4.151** **Trends in the Utilization of Sodium-Glucose Co-Transporter 2 Inhibitors after Type 2 Diabetes diagnosis in South Korea**
Kyoung Hwa Ha, Soyoung Shin, Eunji Na, Dae Jung Kim
- GC4.152** **New BMI Cut-Off Points for Obesity in Middle-Aged and Older Adults in Nutrition Settings in Italy**
Marwan El Ghoch, Laura Di Renzo, Leila Itani, Paola Gualtieri, Massimo Pellegrini, Antonino De Lorenzo
- GC4.153** **The Risk of Sarcopenia among Adults with Normal-Weight Obesity in a Nutritional Management Setting**
Antonino De Lorenzo, Massimo Pellegrini, Paola Gualtieri, Leila Itani, Marwan El Ghoch, Laura Di Renzo
- GC4.154** **Clinical, DXA and MRI features of Asian men with metabolic syndrome and clinical partial lipodystrophy**
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- GC4.155** **Frequency of sarcopenic obesity detected by ESPEN-EASO consensus statement in Brazilian adults with severe obesity**
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- GC4.156** **Obesity and Weight Management Strategies in Persons Living with Type 2 Diabetes- An Epidemiological Cross-sectional Study**
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- GC4.171** Green tea kombucha, in the context of a healthy diet with calorie restriction, improves cardiometabolic risk markers in individuals with excess body weight
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- GC4.194** **The effectiveness of liraglutide in a real-life setting: the experience in a semi-residential multidisciplinary lifestyle intervention**
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- GC4.198** **Efficacy and Safety of a Fixed Dose Combination of Dapagliflozin and Linagliptin [AJU-A51] in Patients with Type-2 Diabetes Mellitus: A multi-center, Randomized, Double-Blind, parallel group. Placebo-controlled Phase III Study**
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- GC4.213** **Exploring the sustained effects of a novel weight loss product on appetite using ecological momentary assessment**
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- GC4.229** Short term effects of semaglutide among patients with obesity and food addiction
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- GC4.230** Informing the development of antipsychotic-induced weight gain management guidance: patient experiences and expectations - a qualitative descriptive study
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- GC4.232** Food addiction and depressive symptoms in adults with overweight and obesity trying to lose weight
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- GC4.233** MoreLife UK Emotional eating group intervention pilot: Three Case Studies
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- GC4.262** **Association Between Fat-to-Muscle ratio and Metabolic Syndrome in Elderly Population**
Ju Chien Jeng, Chen Chieh Lin, Chih Hsueh Lin, Tsai Chung Li, Wen Yuan Lin, Hsiang Han Kao
- GC4.263** **Body composition changes during the swallowable, non-endoscopic gastric balloon program: prioritizing lean mass preservation for sustainable, healthy weight loss**
Adelardo Caballero, Yannis Raftopoulos, Maha Shahin, Mercedes Otárola, George Balalis, Justine Hawke, Camillo Docimo, Zoe Griffiths, Roberta Ienca
- GC4.264** **Heart rate variability and the Risk of Metabolic Syndrome**
Se Eun Park, Da Yeon Lee, Ji Hee Koh, Eun Jung Rhee, Cheol Young Park, Won Young Lee
- GC4.265** **Is there a difference between phenotypically similar but metabolically different patients with Metabolically Healthy Obesity and with Metabolically Unhealthy Obesity on weight loss?**
Martina Matovinović, Andrej Belančić, Maja Sirovica, Filip Mustač, Eva Pavić, Zrinka Šmuljić, Maja Baretić
- GC4.266** **Real-world data of post-bariatric hypoglycaemia at a tertiary centre**
Ritwika Mallik, Chloe Firman, Tapiwa Ruwona, Sulmaaz Qamar, Marco Adamo, Andrew Jenkinson, Haris Markakis, Mohammed Elkalawy, Andrea Pucci, Janine Makaronidis
- GC4.267** **Mexico, the experience of the critical state: In search of mutual aid group government mexican strategies for the benefit of patients living with obesity**
Kevin Garcia Caal
- GC4.268** **Effectiveness of low doses of semaglutide on weight loss and body composition among women in their menopause**
Joana Nicolau, Apolonia Gil Palmer, Jorge Blanco Anesto
- GC4.269** **Ontario Bariatric Network (OBN) and Project ECHO - working towards excellence in collaborative obesity care in Ontario, Canada**
Patti Kastanias, Wei Wang
- GC4.270** **Effects of group cognitive behavioral therapy for obesity in women**
Sofya Eliashevich, Yanina Medik, Alina Misharova, Anastasia Orekhova, Ekaterina Stepanova, Polina Zimina, Daniel Nunes Araujo, Oksana Drapkina
- GC4.271** **Tapering semaglutide to the most effective dose: real-world evidence from a digital weight management programme (TAILGATE)**
Søren Seier, Kine Stamp Larsen, Jesper Pedersen, Jorne Biccler, Henrik Gudbergesen
- GC4.272** **Protocol for a randomised controlled trial of young adults with childhood-onset obesity treated with semaglutide 2.4 mg/week – The RESETTLE trial**
Sarah Byberg, Joachim Holt, Rasmus Michael Sandsdal, Louise Aas Holm, Bodil Just Christensen, Simon Birk Kjær Jensen, Torben Hansen, Jens Christian Holm, Signe Sørensen Torekov
- GC4.273** **Barriers and facilitators to use of pharmacological intervention- Saxenda (Liraglutide), for weight management in a specialist service**
Banjana Babber, Sophie Edwards, Paul Gately, Ab Sirin Ayva

GREEN COMMUNICATIONS

- GC4.274** **The impact of Integrative Neuromuscular Training on body composition, muscular strength, postural control and quality of life in outpatients with obesity: preliminary results**
Luca Cavaggoni, Luisa Gilardini, Marina Croci, Gabriella Redaelli, Paola Toja, Lucia Pasqualinotto, Silvia Martinelli, Simona Bertoli
- GC4.275** **Data Visualisation in weight loss studies: current practice and recommendations**
Marijka Batterham
- GC4.276** **Weight Loss in Hashimoto Thyroiditis induced by Photobiomodulation Therapy: A Clinical Feasibility Parallel Trial with 6-Months Follow-Up**
Venera Berisha-Muharremi, Bernard Tahirbegolli, Ruth Phippers, Reem Hanna
- GC4.277** **Association between Obesity and Adult Attention-Deficit/Hyperactivity Disorder in Mexican Adults**
Brenda Sarahí Beristain Lujano, Rodrigo Romero-Nava
- GC4.278** **Effectiveness of Anti-Obesity Medications from a multidisciplinary weight management program-A real-world experience**
Bahila Bhatti, Amal Mustafa, Farooq Khan
- GC4.279** **Impact of an exercise program and eating habits in patients with cardiovascular disease. (RECARDIET Project)**
José Manuel García Almeida, Isabel María Vegas Aguilar, Lara Dalla Rovere, Rocío Fernández Jiménez, María Del Mar Amaya Campos
- GC4.280** **Correlation between morphofunctional assessment techniques in a cardiac rehabilitation program. (RECARDIET Project)**
José Manuel García Almeida, Isabel María Vegas Aguilar, Lara Dalla Rovere, Rocío Fernández Jiménez, María Del Mar Amaya Campos
- GC4.281** **Current opportunities of genetic testing in patients with obesity and metabolic disorders - a personalized approach**
Olga S Antonova, Victoria Spasova, Boryana Gerasimova B, Savina Hadjidekova, Darina Naydenova
- GC4.282** **Online Group Tier-3 Obesity Assessment Clinic - a Pilot Study**
Rachel Elliott, Mya Thandar Kan Myint, Marie Bird, Jessica Munafo, Hassan Kahal
- GC4.283** **Treat to target in obesity management: real-world evidence from an internet-based weight management programme (TRIM)**
Søren Seier, Jesper Pedersen, Konstantinos Lymperis, Josefine Balck, Henrik Gudbergesen
- GC4.284** **Transforming Obesity Education: Integration of the The Canadian Obesity Education Competencies into curriculum**
Werd Al-Najim, Nicole Pearce, Sanjeev Sockalingam
- GC4.285** **Evaluation of the impact of a low-energy ketogenic diet versus a low-energy non-ketogenic diet on metabolic dysfunction-associated steatotic liver disease in patients with obesity**
Patrícia Meira, Tiago Capela, Ana Isabel Ferreira, Lília Figueiredo, Bruno Oliveira, Joana Magalhães, Washington Costa, Ana Ribeiro, Fátima Fonseca, Rui Pinto, José Cotter, Flora Correia
- GC4.286** **Does probiotics supplementation improve cardio-metabolic outcomes in women after menopause with MALDF?**
Małgorzata Moszak, Marta Pelczyńska, Matylda Kregielska-Narozna, Joanna Michałowska, Katarzyna Pastusiak, Monika Szulińska, Paweł Bogdanski
- GC4.287** **Lean Non-alcoholic Fatty Liver Disease in Taiwan**
Chia Wen Lu, KUO-CHIN HUANG
- GC4.288** **Effect of liraglutide on liver stiffness and steatosis in patients with obesity: a new serendipity for glucagon-like peptide-1 receptor agonists (GLP1-RA)?**
Giulia Maria Pontesilli, Georgios Anastassopoulos, Camilla Gallegati, Martina Fasolo, Gioia Torin, Laura Schiavon, Alessandro Moroldo, Leonardo Molinari, Filippo Fania, Alessandro Galbiati, Lisa Grillini, Stefano Cuppini, Alberto Mazza
- GC4.289** **Impaired mitochondrial bioenergetics in peripheral blood mononuclear cells as a novel NAFLD biomarker: impact of a Mediterranean-oriented dietary intervention**
Alice Vettori, Agnese Segala, Emirena Michela Garrafa, Marika Vezzoli, Emanuela Bottani, Barbara Zanini, Chiara Ricci, Alessandra Valerio

GREEN COMMUNICATIONS

- Evaluating the impact of a moderately Low-Calorie Ketogenic Diet on MAFLD in patients with obesity: the role of magnetic resonance imaging**
GC4.290 *Maria Chiara Massari, Davide Masi, Elena Colonello, Filippo Biagi, Marta Zerunian, Benedetta Masci, Flaminia Ferri, Monica Mischtelli, Carla Lubrano, Stefania Mariani, Andrea Laghi, Stefano Ginanni Corradini, Lucio Gnessi, Damiano Caruso, Mikiko Watanabe*
- Non-Alcoholic Fatty Liver and Metabolic Abnormalities Are Determined by Age and Serum Des-acyl Ghrelin among Apparently Healthy Female Taiwanese**
GC4.291 *Chih Yen Chen, Hsin Hung Chen, Chun Yeh*
- Which weight management strategies are more effective for patients with obesity-associated steatotic liver disease? A retrospective analysis**
GC4.292 *Federico Ravaioli, Federica Perazza, Laura Leoni, Lorenza Lambertini, Loris Pironi, MARIA LETIZIA PETRONI*
- The effect of liraglutide 3.0mg on non-alcoholic fatty liver disease in Korean obesity adult: Multicenter real-world cohort study**
GC4.293 *Jinwook Kim, Jung-ha Park, Soo Lim*
- Cirrhosis Among People with Metabolic-Dysfunction Associated Steatohepatitis (MASH) is a Key Driver of Clinical and Economic Burden Independent of Metabolic Syndrome – an Observational Study**
GC4.294 *Jesse Fishman, Christina Qian, Yestle Kim, Rosie Sun, Joe Medicis, Hannah Rochon, Shelagh M. Szabo, Michael Charlton*
- Healthcare Resource Utilization and Incremental Costs Among Patients with Nonalcoholic Steatohepatitis and/or Metabolic Syndrome**
GC4.295 *Yestle Kim, Jesse Fishman, Elliot Tapper, Dave Lewandowski, Taylor Marlin, Alina Bogdanov, Machaon Bonafede*
- The Efficacy of Lactobacillus on Body Fat Reduction: A Randomized, Double-Blind, Preclinical Trial**
GC4.296 *Seong Ho Han, Qing Li, Sang Yeoup Lee, Jongsoon Choi*
- Swedish translation and cultural adaptation process of the Satter Eating Competence Inventory 2.0TM**
GC4.297 *Liisa Tolvanen, Charlotte Goodrose-Flores, Barbara Lohse, Stephanie Erika Bonn, Ylva Trolle Lagerros*
- Changes in appetite ratings and gastrointestinal hormones after ketogenic vs non-ketogenic low-energy diets in females with lipedema – a randomized controlled trial**
GC4.298 *Julianne Lundanes, Gunnhild Eggen Storli, Simon N. Dankel, Randi J. Tangvik, Rønnaug Ødegård, Jens Juul Holst, Jens Frederik Rehfeld, Catia Martins, Siren Nymo*
- Changes in glucose and insulin metabolism following ketogenic vs. non-ketogenic low-energy diets in females with lipedema**
GC4.299 *Julianne Lundanes, Marte Siwdsdotter Solem, Jens Juul Holst, Catia Martins, Siren Nymo*
- Effect of sweeteners and sweetness enhancers on weight loss maintenance in adults and children with overweight or obesity – results from the SWEET multicentre, randomised, controlled, trial**
GC4.300 *Anne Raben, Louise Kjølbæk, Sabina Stoffer Hjort Andersen, Santiago Navas-Carretero, Tanja Adam, Christina Mavrogiani, Graham Finlayson, Charo Hodgkins, Marta del Alamo, Tony Lam, Hariklia Moshoyannis, Edith Feskens, Jason Christian Grovenor Halford, Joanne v, Yannis Manios, Ellen Blaak, Jose Alfredo Martinez*
- Weigh more, lose less bone**
GC4.301 *Brunya Tal, Gabi Shefer, Jessica Sack, Yonit Marcus, Yael Sofer, Marianna Yaron, Limor Ben Haim, Vanessa Rouach, Yona Greenman, Naftali Stern*
- Effect of different types of yerba mate on energy expenditure and substrate utilization in healthy adults**
GC4.302 *Sarah Zaki, Antoine Abou Fayad, Elie Jacques Fares*
- Chrono-Nutritional Patterns, Medical Comorbidities, and Psychological Status in Patients with Severe Obesity**
GC4.303 *Silvia Bettini, Beatrice Gusella, Sami Schiff, Enrico Carraro, Chiara Callegari, Giulia Maria Pontesilli, Matteo D'Angelo, Valeria Baldan, Alessandra Zattarin, Giulia Romanelli, Paolo Angelini, Paolo Spinella, Roberto Vettor, Luca Busetto*
- Management of obesity in a patient with X-linked spondyloepiphyseal dysplasia Tarda: what's our strategy?**
GC4.304 *Nejla Dervis, Miruna Margareta Rucareanu, Romeo Bitca*
- The effectiveness of different dietary interventions for long-term weight loss maintenance following bariatric surgery: a systematic review**
GC4.305 *Charlotte Doleman, Amanda Avery*

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- GC4.306** **Low muscle mass and sarcopenic obesity and their relation to comorbidities in a population with class II/III obesity: a study on the diagnostic criteria of the EASO/ESPEN consensus guidelines**
Dionne Sizoo, Loek De Heide, Tim Van Zutphen, Marloes Emous, André Van Beek
- GC4.307** **Gender-related differences in weight loss induced by a Very Low Calorie Ketogenic Diet protocol**
Elisabetta Camajani, Stefania Proietti, Alessandra Feraco, Mauro Lombardo, Stefania Gorini, Chiara Quattrini, Andrea Armani, Luigi Barrea, Massimiliano Caprio
- GC4.308** **Are hypocaloric, Mediterranean diets prescribed for weight loss interventions also sustainable according to the EAT-IT reference diet?**
RAMONA DE AMICIS, Andrea Foppiani, ALESSANDRO LEONE, Federica Sileo, Sara Paola Mambrini, Marta Pellizzari, SIMONA BERTOLI, ALBERTO BATTEZZATI
- GC4.309** **Impact of ketogenic diet treatment on taste thresholds and anthropometric parameters of people with severe obesity: a pilot study**
Sara Paola Mambrini, Camilla Cattaneo, Massimo Scacchi, Ella Pagliarini, Simona Bertoli
- GC4.310** **Sunflower seed extract supplementation reduces body fat in adults with obesity: A double-blind, randomized, placebo-controlled trial**
Ha-Na Kim, Yun-Ah Lee, Sang-Wook Song
- GC4.311** **Impact of Glucomannan, Inulin, and Psyllium Supplementation on Weight Loss in Adults with FTO, LEP, LEPR, and MC4R Polymorphisms: A Randomized, Double-blind, Placebo-controlled Trial**
Evgeny Pokushalov, Andrey Ponomarenko, Claire Garcia, Inessa Pak, Evgenya Shrainer, Mariya Seryakova, Michael Johnson, Richard Miller
- GC4.312** **A ketogenic diet as feasible treatment for post bariatric weight regain**
Ilaria Ernesti, Alfredo Genco, Fiammetta Cipriani, Maria Chiara Massari, Maria Letizia Spizzichini, Davide Masi, Stefania Mariani, Martina Genco, Silvia Migliaccio, Carla Lubrano, Lucio Gnessi, Mikiko Watanabe
- GC4.313** **Effects of chrononutrition on menopausal-related symptoms**
Mattia Proganò, Luigi Barrea, Ludovica Verde, Silvia Savastano, Giovanna Muscogiuri, Annamaria Colao
- GC4.314** **Very Low-Calorie Ketogenic Diet (VLCKD) in Obesity: The Role of the Sex Differences. Results of a Pilot Study**
Luigi Barrea, Ludovica Verde, Mattia Proganò, Giuseppe Annunziata, Silvia Savastano, Annamaria Colao, Giovanna Muscogiuri
- GC4.315** **Very Low-Calorie Ketogenic Diet (VLCKD): A Therapeutic Nutritional Tool for Acne? Results of a Pilot Study**
Luigi Barrea, Ludovica Verde, Mattia Proganò, Giuseppe Annunziata, Silvia Savastano, Annamaria Colao, Giovanna Muscogiuri
- GC4.316** **A ketogenic diet restores menstrual cycles in women with Polycystic Ovary Syndrome with oligomenorrhea independent of body weight loss: results from a single center, one-arm, pilot study**
Vittoria Strinati, Rebecca Rossetti, Maria Elena Spoltore, Maria Letizia Spizzichini, Gabriele Veroi, Giorgia Maria Baldazzi, Alessandro Mondo, Lorenzo Spiniello, Carla Lubrano, Antonella Giancotti, Lucio Gnessi, Mikiko Watanabe
- GC4.317** **Efficacy of the Mediterranean and ketogenic diet in older people with severe obesity and cardiovascular risk: weight loss data after 4 weeks of treatment**
Sara Paola Mambrini, Luisa Gilardini, Elisa Prina, Massimo Scacchi, Amelia Brunani, Simona Bertoli
- GC4.318** **Total fat intake and its quality in relation to carotid intima-media thickness as a cardiovascular risk factor among young women with obesity**
Kinga Skoracka, Anna Maria Rychter, Dariusz Naskret, Agnieszka Zawada, Michał Michalak, Alicja Ewa Ratajczak-Pawłowska, Agnieszka Dobrowolska, Iwona Krela-Każmierczak
- GC4.319** **Are calcium and vitamin D intakes and their serum concentrations associated with cardiovascular risk determined with carotid intima-media thickness in young women with obesity?**
Kinga Skoracka, Anna Maria Rychter, Dariusz Naskret, Agnieszka Zawada, Michał Michalak, Alicja Ewa Ratajczak-Pawłowska, Agnieszka Dobrowolska, Iwona Krela-Każmierczak
- GC4.320** **Dietary Inflammatory Index is associated with muscle quality in patients with obesity**
Eleonora Poggiogalle, Carla Lubrano, Federica Luisi, James R. Hebert, Nitin Shivappa, Michele Di Martino, Stefania Mariani, Francesco Frigerio, Lucio Gnessi, Lorenzo M Donini

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- GC4.321 **Preliminary Application of an intermittent (5:2) Low-Carbohydrate Diet in Free-Living Conditions: A Feasibility Study**
Hayriye Bilyikoglu, Isis Tse, Adam Collins
- GC4.322 **Particular aspects of eating behaviour in nurses working night shifts**
Lidia Iuliana Arhire, Gianina Mihalache, Andreea Gherasim, Ottilia Nita, Alina Delia Popa, Laura Mihalache
- GC4.323 **Are we treating more than weight? Effects of liraglutide 3mg for the treatment of obesity among patients with hidradenitis suppurativa**
Joana Nicolau, Antoni Nadal, Maribel Tamayo, Pilar Sanchis, Antelm Pujol, Lluís Masmiquel, Cristina Nadal
- GC4.324 **Effect of Liraglutide on the weight and body composition of people with obesity: presentation of two case reports**
Luisa Bellachioma, Maddalena Paolini
- GC4.325 **Preliminary Analyses to Inform the Design of Anti-Obesity Intervention to Prevent Adult Cancer - Consensus on the need for a clinical trial**
Matthew Harris, Andrew Renehan, Michelle Harvie, David French, Duncan Wilson, Julia Brown, David Jayne
- GC4.326 **Online medical education improves physicians' understanding of the health benefits of sustained weight loss and competence in the practical management of persons living with obesity**
Joachim Trier, John Wilding
- GC4.327 **Evaluation of sarcopenia by morphofunctional assessment (nutritional ultrasound, bia and dynamometry) in patients with obesity**
Maria Garcia Olivares, Lara Dalla Rovere, Rocío Fernandez Jimenez, Carmen Hardy Añon, Jose Manuel Garcia Almeida
- GC4.328 **Association Between Fibrosis-4 Index and Chronic Kidney Disease In Metabolic-Associated Fatty Liver Disease**
Ju Chien Jeng, Wen Yuan Lin, Kuen Cheh Yang, Tsung Po Chen
- GC4.329 **Post-Marketing Authorization Early Access Program (AP2) Findings for Semaglutide 2.4 mg in French Individuals with complicated class III Obesity**
David Jacobi, Lysiane Jubin, Rodwen Jawad
- GC4.330 **Perioperative and oncological outcomes in patients with BMI \geq 35 kg/m² undergoing robot-assisted radical prostatectomy**
Yuhan Peng, Ashwin Sridhar, Zafer Tandogdu, Carmen Gore
- GC4.331 **Firmicutes and Bacteroidetes ratio in university students with overweight and obesity**
Arianna Omana Covarrubias, Ana Teresa Nez Castro, Lydia López Pontigo, María delRefugio Acuña Gorrola, Edwin Alonso Chávez Mejía
- GC4.332 **Association Between Sleep Duration and Obesity in Patients with T2D**
Esraa Makhdom, Alisha Maher, Ryan Ottridge, Mathew Nicholls, Asad Ali, Brendan G Cooper, Ramzi A Ajjan, Srikanth Bellary, Wasim Hanif, Fahmy Hanna, David Hughes, Vijay Jayagopal, Rajni Mahto, Mayak Patel, James Young, Ananth U Nayak, Mimi Z Chen, Julie Kyaw Tun, Susana Gonzales, Ravikanth Gouni, Anuradha Subramanian, Nicola Adderley, Smitaa Patel, Abd A Tahrani
- GC4.333 **Proposed Treatment Strategy for Reactive Hypoglycaemia**
Younes R Younes, Nicholas Cron, Benjamin C.t Field, Vidhu Nayyar, James Clark, Sunil Zachariah, Kavitha Lakshmiopathy, Jimboy Isuga, Negar Maghsoodi, Julian Emmanuel
- GC4.334 **The common MC4R rs17782313 association with obesity susceptibility in Israeli female adults is mediated by eating behavior interactions**
Danyel Chermon, Ruth Birk
- GC4.335 **The efficacy and safety of Electromagnetic stimulation on the Cross-sectional area and Density of the abdominal muscles: A Multi-center, Double blind, Prospective, Randomized, Comparative study**
Se Hong Kim, Ju Hye Chung
- GC4.336 **Recording Diagnosis of Overweight and Obesity and its Association with Weight Loss in the Primary Care Setting**
Michal Kasher Meron, Dan Oieru
- GC4.337 **Evaluation of the accuracy of the current methods to estimate the resting energy expenditure in patients living with obesity and factors that influence the prefer oxidative substrate**
Marta Comas Martínez, Vanesa Paola Flores, Mercè Abad, Enzamaría Fidilio, Marc Ribas, Fiorella Palmas, Andreea Ciudin

GREEN COMMUNICATIONS

- GC4.338 Association of obesity with respiratory, cardiac and mortality outcomes in patients with COVID-19 infection in a third level institution**
Susan Juliette Garcia Leon, Lady RODRIGUEZ BURBANO, Lina M Vera Cala, Claudia Lucía Figueroa, Luis David Rodriguez Valdivieso, Camilo Andrés Rubiano Albarracin, Luis David Rodríguez Valdivieso, RAMON LEAL, Paula Andrea Boada Perez
- GC4.339 Ecological momentary assessment of preliminary efficacy of N-Acetylcysteine for loss of control eating: an open label feasibility study**
Muthmainah Muthmainah, Diana Sketriene, Roberta Anversa, Andrea Gogos, Priya Smithran, Robyn Brown
- GC4.340 Use of GLP-1 analogues in the management of weight gain and hot flashes in women entering menopause**
Antonella Franceschelli
- GC4.341 Patient perspectives on long-term weight management support: a survey of patients attending a tertiary obesity management clinic**
Kyra Sim, Janet Franklin, Elizabeth Hall, Erin Scott, Jessica M Swinbourne, Georgina Loughnan, Hannah Nelthorpe, Elisia Manson, Samantha Hocking, Tania Markovic
- GC4.342 Changes in emotional and uncontrolled eating predict weight loss and regain on GLP1 agonists**
Noga Minsky, Sara Kutzkel, Orly Tamir, Gabriella Segal Lieberman
- GC4.343 The importance of obesity-related cancer risk and acceptability of weight loss intervention - Patient and public involvement and engagement**
Matthew Harris, Andrew Renehan, Michelle Harvie, David French, Duncan Wilson, Julia Brown, David Jayne
- GC4.344 Understanding Individuals with Obesity: Perceptions, Biases, and Challenges in Comprehensive Management**
Neeta Deshpande, Arushi Bhura, Nikhil Hegde, Suryansh Kumar
- GC4.345 Patient Experiences of Weight Regain following Weight Loss Surgery: A Qualitative Systematic Review**
Sophie Kathryn Edwards, Matthew Buckley, Gately Paul
- GC4.346 An exploration of patient and clinician experiences of telehealth in an Irish diabetes and bariatric hospital service during the COVID-19 pandemic**
Grace Oshea, Sarah Summerville, Mary Hynes, Francis Finucane, Francis Finucane
- GC4.347 Public Perception about Obesity and Obesity Treatment**
Yangim Hur, JAEHYUK LEE
- GC4.348 Reconciling health-centric approaches to obesity management: the Health at Every Size® paradigm and the Edmonton Obesity Staging System**
Meghan Chisholm, Sara Kirk
- GC4.349 How often do people with obesity experience stigmatizing situations?: Comparison between Spain and Mexico (LATAM-OBESTIGMA study)**
Albert Lecube, Ricardo Luna, María Luisa Ponce, Claudia Alejandra García Quiroz, Rafael Gómez Blasco, Andreea Ciudin, Eric Sánchez, Liliam Flores, Amelia Mari Sánchis, Fernando Goño, Marta Sánchez, Joana Nicolau, Concepción Muñoz, Olaia Diaz Trastoy, Guillem Cuatrecasas, Silvia Cañizares, Marta Comas, Carolina López Cano, Albert Alejandro Olivo García, Adriana Maria Guajardo, Rodrigo José Argüelles, Etzel Cruz, Elba Christelle, Ana Luisa Ricárdez, Héctor Infazón
- GC4.350 Reporting the effectiveness of Dietary Intervention on Weight Loss Outcomes in Patients with Obesity and Overweight: A Retrospective Chart Review at a Center of Excellence in the UAE**
Mona Saïd Joumaa, Sara El Ghndour, Dana El Rahim

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LATE BREAKING COMMUNICATIONS

LATE BREAKING COMMUNICATIONS

LBC1.04	<p>In silico gut microbiome metabolic modeling identifies metabolites associated with metabolic health status that are modifiable by dietary interventions <i>Timothy Swartz, Gianluca Galazzo, Eugeni Belda, Rafael Patiño-Navarrete, Karine Clément</i></p>
LBC1.08	<p>The circulating apoptosis inhibitor of macrophage (AIM/CD5L) levels at different stages of obesity and their relationship to metabolic and inflammatory parameters <i>Sanja Klobucar, Miljenka Igrac, Branislav Suša, Dijana Detel</i></p>
LBC1.08	<p>The circulating apoptosis inhibitor of macrophage (AIM/CD5L) levels at different stages of obesity and their relationship to metabolic and inflammatory parameters <i>Sanja Klobucar, Miljenka Igrac, Branislav Suša, Dijana Detel</i></p>
LBC1.09	<p>Low Intensity Pulsed Ultrasound (LIPUS) block adipose stem cells differentiation <i>Beatriz G. Gálvez, Támara Fernández Marcelo, Laura M. Pérez, Beatriz De Lucas, Alba Calero, María Garrido, Raul Alejandro León, Paulina Sury, Elisa Fernández Millán</i></p>
LBC1.10	<p>Effects of Copper Overload on Perivascular Adipose Tissue and Mesenteric Artery Function in Rats: Implications for Inflammatory State and Vascular Risk <i>Andressa Bolsoni-Lopes, Nina Bruna De Souza Mawandji, Karoline Neumann Gomes, Nayara Ariel Da Silva Lisboa, Júlia Martins Vieira, Ingridy Reinholz Grafites Schreider, Julia Antonietta Dantas Da Silva, Karoline Zuqui Nunes, Dalton Valentim Vassallo</i></p>
LBC1.11	<p>Diet rich in refined carbohydrates alter vascular reactivity to phenylephrine in thoracic aorta, mesenteric arteries and perivascular adipose tissue <i>Karolini Zuqui Nunes, Andressa Bolsoni Lopes, Karoline Neumann Gomes, Ingridy Reinholz Grafites Schreider, Nina De Souza Mawandji, Jones Bernardes Graceli, Dalton Valentim Vassallo</i></p>
LBC1.12	<p>Aging and secretory function of white adipose tissue: protective role of açai <i>Vivien Cayres Giarola Suannes Pucci, Artur Francisco Silva Neto, Juliana De Abreu Gonçalves, Valter Tadeu Boldarine, Thais Antonio Jose Mutran, Monica Marques Telles, Vanessa Vendramini Vilela, Lila Missae Oyama</i></p>
LBC1.13	<p>Impact of a trans-fatty acid-rich diet in the renal disease in mice: Effect of TGFβ3 deletion <i>Borja Lanzon, Elia Escasany, Adriana Izquierdo Lahuerta, Patricia Corrales, Carolina González Riaño, Francisco Javier Ruperez, Gema Medina-Gomez</i></p>
LBC1.14	<p>Dynamic hypothalamic chemokine response in female mice modulates high-fat-diet-induced inflammation <i>Alexia Guimarães Batista Augusto, Igor Cavalheiro, Ester Dos Santos Alves, Jonathan Ferreira Campos, Nicolly Porto Marin, Lício Velloso, Natalia Ferreira Mendes</i></p>
LBC1.15	<p>Patients with colon cancer present a marked decrease in plasma fatty acids: an opportunity to explore a novel dietetic therapeutic strategy? <i>Alice Chaplin, Maria Barceló Nicolau, Ramón M Rodríguez, Marc Gassió, Daniel Ramis Cabrer, Elena Usamentiaga, Marco Martínez, Myriam Fernández, Dora Romaguera, Gwendolyn Barceló Cobljñ</i></p>
LBC1.16	<p>Phosphorus supplementation elicited changes in the core body temperature of healthy individuals <i>Hazmig Aywazian, Rania El Khoury, Razan Zein Eddine, Simon Welham, Amanda Avery, Omar Obeid</i></p>
LBC1.17	<p>Leptin DNA methylation and gene expression in participants with SLE and obesity: in vitro study <i>Leticia L Souza, Lucas M De Carvalho, Amanda A Ribeiro, Jhulia C N L Da Mota, Carolina F Nicoletti</i></p>
LBC1.18	<p>Leptin gene expression and plasma concentration in patients with SLE: the role of obesity <i>Lucas M De Carvalho, Leticia L Souza, Jhulia C N L Da Mota, Amanda A Ribeiro, Carolina F Nicoletti</i></p>
LBC1.19	<p>Comparisons of associations of conventional vs imaging-based measures of adiposity with cardiometabolic syndrome and cancer: A prospective analysis in the UK Biobank <i>Sofia Mouchti, Zhengming Chen, Gillian Reeves</i></p>
LBC1.20	<p>Donor-derived vascularized organoids modelling inflammation, fibrosis and being therapeutic effects of human adipose tissue <i>Vincent Dani, Solène Bruni Favier, Clémence Fournier, Floricia Crusset, Antonio Iannelli, Bérengère Chignon Sicard, Alain Doglio, Christian Dani</i></p>

LATE BREAKING COMMUNICATIONS

- LBC1.21** **Alterations in the circulating profile of adipocytokines, miRNA and miRNAs variants (isomiRs) in patients with severe obesity with and without renal dysfunction**
Marina Martín Taboada, Borja Lanzón, Ignacio González De Pablos, Lucía Torres, Patricia Corrales, Pilar Gómez Rodríguez, Elías Rodríguez Cuellar, Esteban Porrini, Enrique Morales, Gema Medina-Gomez, Rocio Vila Bedmar
- LBC1.22** **The influence of chitosan-based polymeric systems containing sulfonyleureas on body weight: (in vivo) studies**
Luminita Georgeta Confederat, Mihaela Iustina Condurache, Lenuta Profire
- LBC1.23** **Differential brain responses to food images following consumption of sweeteners and sweetness enhancers compared to sucrose: A SWEET fMRI sub-study**
Moon Wilton, Charlotte Hardman, Pawel Jedras, Andrej Stancak, Eva Almiron-Roig, Graham Finlayson, Corey Scott, Catherine Gibbons, Kristine Beaulieu, Louise Kjølbæk, Santiago Navas-Carretero, J. Alfredo Martínez, Anne Raben, Jason Christian Grovenor Halford, Jo Harrold
- LBC1.24** **Let's move! An exergame intervention in sedentary office workers with overweight and obesity**
Jorge Aburto-Corona, Roberto Espinoza-Gutiérrez, Juan José Calleja-Núñez, Jessica Sánchez Revilla, Rubi Cabrera Mejía, Bryan Montero-Herrera, Jonathan Cerna, Lenin Tlamatini Barajas Pineda, Aracely Serrano-Medina
- LBC1.25** **Characteristics of people with overweight or obesity stratified by age, gender, and obesity-related complications: multi-country data from the IMPACT-O Study**
Anastasia Lampropoulou, Sarah Zimmer Rapuch, Esther Artime, Erik Spaepen, Sarah Seager, Mengyuan Shang, Carel W Le Roux, Dror Dicker
- LBC1.26** **Metabolic and Molecular Changes in Visceral Adipose Tissue of Rats with Spontaneous Obesity**
Mohammed I. Alotaibi, Michael Greenwood, David Murphy
- LBC1.27** **Characteristics of people with overweight or obesity in healthcare databases in Europe and Asia-Pacific: multi-country data from the IMPACT-O Study**
Anastasia Lampropoulou, Sarah Zimmer Rapuch, Esther Artime, Erik Spaepen, Sarah Seager, Xiaoyu Lin, Dror Dicker, Carel W Le Roux
- LBC1.28** **The cut-off value for triglyceride-glucose index (TyG) discriminating the insulin resistance based on the SHBG level and HOMA-IR values in women with polycystic ovary syndrome**
Tahar Ben Rhaiem, Aleksander Jerzy Owczarek, Dariusz Ciura, Paweł Madej, Jerzy Chudek, Magdalena Olszanecka-Glinianowicz
- LBC1.29** **The cut-off value for triglyceride-glucose- waist circumference index (TyG-WC) discriminating the insulin resistance based on the SHBG level and HOMA-IR values in women with polycystic ovary syndrome**
Tahar Ben Rhaiem, Aleksander Jerzy Owczarek, Dariusz Ciura, Paweł Madej, Jerzy Chudek, Magdalena Olszanecka Glinianowicz
- LBC1.30** **miR-1 promotes browning of human white adipocytes through modulation of metabolic and thermogenic genes**
Ester Díez Sainz, Silvia Lorente Cebrián, Fermín I Milagro, José I Riezu Boj, Pierre Louis Batrow, Laura Contu, Nadine Gautier, Ez Zoubir Amri, Isabelle Mothe Satney, Paula Aranzaz
- LBC1.31** **A metabolic risk score model constructed based on bilirubin and oleic acid shows clinical relevance for predicting obesity in Korean individuals**
Hye Jin YOQ
- LBC1.32** **The role of MAP2K7 and OGA in 3T3L1 adipocyte**
Ghadir Elsamad, Mohammed Alotaibi, Michael Greenwood, Karim Echtay, David Murphy
- LBC1.33** **The Role of Retinol-Binding Protein 4 and Glucose Transporter 4 in Women with Severe Obesity and Nonalcoholic Fatty Liver Disease**
Laia Bertran, Carmen Aguilar, Teresa Auguet, Cristóbal Richart
- LBC1.34** **LC/MS Untargeted Lipidomics Analysis in Women with Severe Obesity and Type 2 Diabetes Mellitus: A Comprehensive Study**
Laia Bertran, Jordi Capellades, Sonia Abelló, Carmen Aguilar, Teresa Auguet, Cristóbal Richart
- LBC1.35** **Hypothalamic FGF1 Regulates Systemic Glucose and Energy Homeostasis**
Hyemi Shin, Jae Myoung Suh

LATE BREAKING COMMUNICATIONS

- LBC1.36** **Functional brain MRI in the setting of drug correction of obesity**
Tatiana I. Romantsova, Polina I. Kuznetsova, Marine M. Tanashyan, Elena V. Kremneva, Troshina A. Ekaterina, Oksana V. Logvinova, Evdokia S. Tsvetkova
- LBC1.37** **Dynamics of miR378 and miR142 expression in subcutaneous adipose tissue during obesity therapy with Reduxin and Reduxin Forte**
Alina Yu. Babenko, Georgii A. Matveev, Natalya V. Khromova, German G. Zasyupkin, Natalya O. Markina, Kseniia A. Shtein
- LBC1.38** **Metabolically Healthy and Unhealthy Obesity at one center in the Sultanate of Oman**
Maha AlRiyami, Amira Al Kharusi, Fahad Al Zadjali
- LBC1.39** **Oleoylethanolamide anti-obesity effects: modulation of mitochondrial bioenergetics, endocannabinoidome mediators and the gut microbiome**
Fabiano Cimmino, Giovanna Trinchese, Lidia Petrella, Gina Cavaliere, Angela Catapano, Fabiana Piscitelli, Jyoti Sihag, Cristoforo Silvestri, Vincenzo Di Marzo, Maria Pina Mollica
- LBC2.04** **The development of obesity in mexican population within a context of inequalities: kaplan-meier survival analysis**
Kenya Fneyda Henriquez Mancía
- LBC2.05** **"Planeterranea": an attempt to broaden the beneficial effects of the Mediterranean Diet in Asian continent**
Francesca Orsini, Ilaria Ardoino, Federica Cantelli, Annamaria Colao, Claudia Vetrani, Carlotta Franchi
- LBC2.06** **Association between the updated FSAM-NPS nutrient profiling system underlying Nutri-Score front-of-Pack label and risk of colorectal cancer**
Carlotta Franchi, Ilaria Ardoino, Francesca Orsini, Laura Pierini, Eva Negri, Diego Serraino, Anna Crispo, Livia Augustin, Attilio Giacosa, Silvia Mignozzi, Francesca Bravi, Federica Turati, Carlo La Vecchia
- LBC2.07** **Insights from Healthy Weight Hub Coaches: Understanding Individual Successes, Barriers, and Enablers in One-Year Healthy Weight Coaching for Lifestyle Change and Weight Management**
Anu Joki, Aila Ahola, Laura-Unnukka Suojanen, Kirsi Pietiläinen, Kirsi Pietiläinen
- LBC2.08** **Labour market consequences of obesity**
Christina Hansen Edwards, Doriane Mignon, Johan Håkon Bjørngaard, Gunnhild Åbergie Vie, Jonas Kinge
- LBC2.09** **Complimentary role of BMI and EOSS in all-cause and specific-cause prediction: data from the NHANES 1999-2018**
Beatrice Stella, Fabio Bioletto, Valentina Ponso, Ilaria Goitre, Farnaz Rahimi, Simona Bo
- LBC2.10** **Survey on Public's Awareness of Obesity in Taiwan**
Wen Yuan Lin, Chia Wen Lu, Tsung Po Chen, Hsiang Han Kao
- LBC2.11** **Perceived risk factors for cardiovascular disease among adults living in poor settings in sub-Saharan African countries: findings from a citizen science and qualitative study**
Kufre Joseph Okop, Kufre Okop, Kufre Okop, Abby King, Naomi Levitt
- LBC2.12** **The Clinical Features of Crohn's disease in Patients with Obesity**
Hongsuub LEE, Eun Jeong Choi, Soyeon An
- LBC2.13** **Assessing Explicit Weight Bias Among Australian Health Care Students: Suitability of the Beliefs About Obese Persons Scale (BAOP) and the Antifat Attitudes Questionnaire (AFA)**
Ravisha Sandushi Jayawickrama, Briony Hill, Moira O'connor, Stuart W Flint, Erik Hemmingsson, Blake J Lawrence
- LBC2.14** **University attendance and BMI changes in young adults: a prospective cohort study**
Sara Almeida, Joana Araújo
- LBC2.15** **The acceptability of entomophagy as a novel and sustainable protein source in UK adults: an online survey**
Lauren McGale, Maxine Sharps, Jay Duckworth
- LBC2.16** **COVID-19 lockdown is associated with improved cardiometabolic risk and markers of glycemia: Findings from a prospective mother-child cohort study**
Marie Louise Jahn, Rebecca Vinding, Morten Rasmussen, Bo Chawes, Klaus Bønnelykke, Jakob Stokholm, David Horner

LATE BREAKING COMMUNICATIONS

- LBC2.17** **Intersecting lifestyle and food security with obesity prevalence in adult population: a cross-sectional observational study**
Blanca Salinas-Roca, Èlia Navarro Masip, Albert Lecube, Laura Rubiò
- LBC2.18** **Programs to manage Food Selectivity in individuals with Autism Spectrum Disorder**
Chiara Breda, Sara Santero, Maria Vittoria Conti, Hellas Cena
- LBC2.19** **Folic acid supplementation in European women of childbearing age with excessive weight: a systematic review protocol**
Francesca Sottotetti, Federica Loperfido, Irene Bianco, Chiara Ferrara, Dana El Masri, Antonio Limitone, Hellas Cena, Rachele De Giuseppe
- LBC2.20** **Exploring the relationship between impulsivity toward food-reward and bariatric surgery**
Sami Schiff, Francesca Moltre, Giulia Testa, Paolo Angeli
- LBC2.22** **Association between dopamine genes, adiposity, food addiction and eating behavior in Chilean adults**
Ana Maria Obregon Rivas, Nicole Luengo, Gary Goldfield
- LBC2.23** **Equity in digital diabetes prevention: demographics of participants in Liva Healthcare's delivery of the UK National Health Service's National Diabetes Prevention Programme**
Ellie Heath, Signe Bendsen, Katrine Kaslund, Ditte Hjorth Laursen
- LBC2.24** **Comparison of different criteria for the identification sarcopenic obesity in adult and elderly population: data from a population-based cohort**
Fernanda Farias, Milton Severo, Joana Araújo
- LBC2.25** **How do people living with obesity who use obesity services, perceive healthcare professionals' representation of the disease on social media? An interpretative phenomenological analysis**
Sean Maher, Joseph Mchugh, Michael Crotty, Susie Birney, Eibhlin Lonergan, Jean O'connell, Francis Finucane, Muirne Spooner
- LBC2.27** **Obesity Bias and People-First Language Use among Turkish Dietitians and Dietetics Students**
Ezgi Sakar Schoinas, Ezgi Kolay, Merve Guney Coskun
- LBC2.28** **The impact of behavioural weight loss programmes on disordered eating; a systematic review and meta-analysis of single-arm trials**
Eleni Tsoimpanaki, Dimitrios A. Koutoukidis, Rebecca J. Park, Gina Wren, Susan S. Jebb, Paul Aveyard
- LBC2.29** **Diet and weight management in a cross-sectional survey of adults with and without thyroid disease**
Abdulrahman Alreshidi, Emilie Combet
- LBC2.30** **Healthy Behaviours Promotion Program in Summer Day Camps**
David Larose, Shirin Panahi, Melvin Chih Shing Chen, Jennifer Yessis, Angelo Tremblay, Vicky Drapeau
- LBC3.01** **Magic potion? No! It's all you! Analysis of the psychological mechanisms of placebo effects on parameters related to physical fitness in the pediatric population**
Magdalena Žegleň, Łukasz Kryst, Lidia Stanis-Guzik, Łukasz Wądrzyk, Julia Badzińska, Anna Rachowicz, Dominika Gurbiel, Jacek Słowik, Katarzyna Kosturska, Przemysław Bąbel
- LBC3.02** **Profile of the pediatric population of a nutritional outpatient clinic in São Paulo - Brazil: there is successful intervention without new strategies?**
Renata Galvao Cintra, Thataba KOESTER WEBER, Luiza Cristina Godim Domingues Dias
- LBC3.03** **Spectrum of childhood obesity and thinness in Oman from year 2008 to 2022**
Fahad Zadjali, Hiyam Al Riyami, Sathish Kumar Jayapal, Nasser Almaqarshi, Maha Alriyami, Amira Alkharusi
- LBC3.05** **Increased Screen Time is Associated to Higher Cardiometabolic Risk in Childhood and Adolescence in Two Mother-Child Cohorts**
David Horner, Klaus Bønnelykke, Bo Chawes, Trine Flensborg Madsen, Ann Marie Malby Schoos, Jakob Stokholm, Morten Rasmussen
- LBC3.06** **Social inclusion in the childhood obesity management in Emilia-Romagna Region**
Marina Fridel, Giulia Tomaiuolo, Gianmarco Imperiali, Maurizio Iaia, Serena Broccoli

LATE BREAKING COMMUNICATIONS

- LBC3.07** **Examining Associations between the presence of Screens in Children's Bedrooms with BMI and Waist-to-Height Ratio: Cross-Sectional Findings from the BeE-school Project**
Filomena Magalhães, Beatriz Pereira, Ana Duarte, Juliana Martins, Cláudia Augusto, Maria José Silva, Rafaela Rosario
- LBC3.08** **Model of management of children living with overweight and obesity in Emilia-Romagna Region**
Marina Fridel, Gianmarco Imperiali, Giulia Tomaiuolo, Maurizio Iaia, Serena Broccoli
- LBC3.09** **Impact of a Home-Based Obesity Prevention Intervention on Children's and Parents' Body Mass Index: Moderation by Genetic Susceptibility to Obesity**
Raphaëlle Jacob, Andrea C. Buchholz, Sanjeena Subedi, Alison M. Duncan, Lori Ann Vallis, Gerarda Darlington, David W. L. Ma, Jess Haines
- LBC3.10** **Understanding Childhood Obesity: Natural Development and the Impact of Follow-Up frequency in a Norwegian Cohort of 45,000 children born between 1999 and 2017**
Gudrun Maria Waaler Bjørnely, Christina Hansen Edwards, Hanne Nissen Bjørnsen, Rønnaug Astri Ødegård
- LBC3.11** **Does the family influence the treatment of adolescent obesity?**
Deborah Cristina De Souza Marques, Marielle Priscila De Paula Silva Lalucci, Marilene Ghiraldi De Souza Marques, Joed Jacinto Ryal, Thiago Kenzo Guinoza Lima, Zeinab El Hajj Hussein, Endriw Domingues Noronha, Jorge Mota, Bráulio Henrique Magnani Branco
- LBC3.12** **Prevalence of obesity in Icelandic children increasing the last 6 years. Valuable insights with country-wide pooled data collection**
Tryggvi Helgason, Ása Sjöfn Lörens dóttir
- LBC4.02** **Applicability of Guidelines for Obesity Management: A Cross-Sectional Study of 1072 individuals attending a Greek Tertiary Outpatient Clinic**
Eleni Maggiorou, George Liamis, Foteini Apostolou, Haralampos Milonias, Fotios Barkas
- LBC4.03** **Exploring the Therapeutic Potential of Naltrexone/Bupropion in Obesity with Binge Eating Disorder: A Comprehensive Case Study**
Eleni Maggiorou, George Liamis, Foteini Apostolou, Haralampos Milonias, Fotios Barkas
- LBC4.04** **Primary care physicians' knowledge, attitudes and concerns about bariatric surgery and the association with referral patterns: a Swedish survey study**
Ensieh Memarian, Daniel Carrasco, Hans Thulesius, Hans Thulesius, Susanna Calling
- LBC4.05** **Multi-strain probiotics, obesity and metabolic syndrome**
Ivaylo Atanasov Bogomilov, Vesela Stancheva Mihneva, Branimira Mihaylova Mihaylova
- LBC4.06** **Hormonal changes in the treatment of obesity**
Vesela Stancheva Mihneva, Ivaylo Bogomilov, Desimira Mironova, Tzvetelina Totomirova
- LBC4.07** **Selective Estrogen Receptor Modulator (SERM) and Follicle-Stimulating Hormone (FSH) therapy in addressing Male Infertility among people with obesity**
Desimira Mironova, Elena Bangeeva, Mergyl Feradova, Ivaylo Bogomilov
- LBC4.08** **Training HCPs in behavior change coaching skills improves weight loss outcomes of the Swallowable, Non-Endoscopic Gastric Balloon Program**
Zoe Griffiths, Camillo Docimo, Hector Carrasco, Karla Barmaki
- LBC4.09** **The Anti-Obesity Medication Halo Effect: Rising Interest in Medications Drives Increased Awareness and Uptake of Other Medical Obesity Treatments**
Zoe Griffiths, Jen Pain
- LBC4.10** **The Association Between Reduction in Cardiometabolic Risk and Abdominal Adiposity Following Bariatric Surgery**
Andressa Bolsoni-Lopes, Amanda Machado Fiorotti, Amanda Araújo Gomes, Amanda Motta Bortoli, Fernanda Barcellos Noibauer, Beatriz Bobbio De Brito, Joao Arthur Souza Fiorido, Luiza Recla Pessotti, Fabiano Kenji Haraguchi

LATE BREAKING COMMUNICATIONS

Obesity and atherosclerotic cardiovascular disease in adults with heterozygous familial hypercholesterolemia: An analysis from HELLAS-FH registry

LBC4.11

Fotios Barkas, Christos V Rizos, George Liamis, Ioannis Skoumas, Anastasia Garoufi, Loukianos Rallidis, Genovefa Kolovou, Konstantinos Tziomalos, Emmanouil Skalidis, George Sfikas, Vasilios Kotsis, Michalis Doumas, Panagiotis Anagnostis, Vaia Lampadiari, Georgia Anastasiou, Iosif Koutagiar, Achilleas Attalakos, Estela Kiouri, Vana Kolovou, Georgios Polichronopoulos, Evangelos Zacharis, Charalampos Koumaras, Christina Antza, Chrysoula Boutari, Evangelos Liberopoulos

Obesity Increases The Risk Of Death In Patients Without Diabetes After Cardiac Arrest: Observations From A European Center Of Excellence For Resuscitation

LBC4.12

Rebeka Jörg, Magdalena Bögl, Christoph Schriefl, Christian Clodi, Michael Holzer, Christian Schörghofer, Anton Lagger, Heidrun Losert, Anne Merrelaar, Michael Schwameis, Harald Herkner, Bianca Itariu

Beyond Quantity: Assessing Disparities Among GLP-1 Receptor Agonists In A Ratio Of Fat And Fat-Free Mass Loss – A Systematic Review

LBC4.13

Jakub Gołacki, Wiktor Biłat, Beata Matyjaszek-Matuszek

Healthy weight loss maintenance with exercise, GLP-1 receptor agonist, or both combined followed by one year without treatment: A post-treatment analysis of a randomised placebo-controlled trial

LBC4.14

Basmus Michael Sandsdal, Simon Birk Kjær Jensen, Martin Bæk Blond, Lisa Møller Olsen, Christian Rimer Juhl, Julie Lundgren, Charlotte Janus, Bente Merete Stallknecht, Jens Juul Holst, Sten Madsbad, Signe Torekov

Orforglipron, an oral GLP-1RA, improves CV risk biomarkers in patients with obesity without T2D

LBC4.15

Sean Wharton, Julio Rosenstock, Yanzhu Lin, Kevin Duffin, Jonathan Wilson, Hiya Banerjee, Kieren Mather, Christof Kazda, Manige Konig

Links between internalized weight stigma, body dissatisfaction and binge eating disorder among people living with obesity before or after bariatric surgery

LBC4.16

Rudy Caillet

Preliminary Findings of a Community Tier 2 Weight Management Service for Clients with Severe Mental Illnesses: Client Insights

LBC4.18

Asiye Busra SIRIN AYVA, Sophie Edwards, Paul Gately, Emily Costelloe

The Combined Effect of Oral L-arginine and Sodium Butyrate on GLP1 Secretion in Adults with Obesity and without Diabetes

LBC4.19

Afif Nakhleh, Salim Hadad, Wasim Said, Eman Rashed, Naim Shehadeh

Lifestyle approach against obesity in menopause: role of the new short questionnaire to assess adherence to the Mediterranean Diet and nutritional sustainability MedQ-Sus

LBC4.20

Nicole Lievore, Elena Calore, Gioele Ciaghi, Pouya Zandi, Valerie Tikhonoff

Psychological distress and quality of life in weight regain after sleeve gastrectomy

LBC4.21

Lilliam Flores, Judit Molero, Silvia Cañizares, Judit Viaplana, Maria Montserrat Ruiz, Amadeu Obach, Josep Vidal

A pilot study of the Multidisciplinary Obesity Staging System

LBC4.22

Emer O' Malley, Katie Hayes, Colin Dunlevy, Tatiana Brennan, Mallory Noone, Laura Allen, John McAndrew, Jean O'Connell

What do our patients think about obesity? A survey promoted by SIO Lazio (the regional section of the Italian Obesity Society)

LBC4.23

Luca Colangeli, Benedetta Russo, Esmeralda Capristo, Stefania Mariani, Dario Tuccinardi, Melania Manco, Valeria Scipione, Maria Eugenia Parrotta, Danila Capoccia, Valeria Guglielmi

Body mass index for Omani population: implications for policy and intervention strategies

LBC4.24

Amira Nasser Al Kharusi

Non-oral progesterone-only contraceptives and body weight change

LBC4.25

Kyung-Kon Kim, Jee-Hyun Kang

Pharmacogenomic insights in metformin and semaglutide therapy: a small cohort study

LBC4.26

Ivan Tourtourikov, Tanya Kadiyska, Mariya Kalinkova, Teodora Handjieva Darlenska

LATE BREAKING COMMUNICATIONS

- LBC4.28** **Challenges in obesity management and psychosocial impact: a real-world perspective among people with obesity and their physicians**
Swarna Khare, Esther Artime, Sarah Zimmer Rapuch, Josefine Redig, Caragh Flannery, Victoria Higgins, Andrea Leith, Tamara Mensah
- LBC4.29** **A cross-sectional observational study on classifying, staging, and evaluating signs/symptoms in patients living with obesity**
Haris Constantinou, Maria Patrikiou, Christina Miliotou, Constantinos Antoniadis, Andreas Stylianou
- LBC4.30** **Probiotics in incretin-based therapy for patient living with obesity: a synergistic approach**
Marco Mattioli, Arianna Di Crescenzo, Luca Valerii, Mauro Serafini, Donato Angelino, Elena D' Agostino, Paolo De Cristofaro
- LBC4.31** **Participants' perspectives of being recruited into a randomised trial of a weight loss intervention before colorectal cancer surgery: a qualitative interview study**
Dimitrios A Koutoukidis, Amelia Talbot, Susan A Jebb, Claire Foster, Alba X Realpe, Peter Wheatstone, Simon A Buczacki
- LBC4.32** **Assessment of sleep abnormalities by questionnaires in a sample of patients with overweight or obesity: what relationships with quality of life?**
Fernanda Velluzzi, Andrea Deledda, Lorenzo Puglia, Chiara Sanna, Chiara Bertonazzi, Monica Puligheddu, Stefania Redolfi
- LBC4.33** **Retrospective analysis of predictors of drop-out rate in dietary treatment in a historical cohort of patients with overweight and obesity**
Lenyia De Cassya Lopes Neri, Elisa Colombo, Monica Guglielmetti, Ottavia Eleonora Ferraro, Anna Tagliabue, Cinzia Ferraris
- LBC4.34** **Comparable Efficacy of Orlistat Vs. Oral Semaglutide in Obesity Management within the BMI range of 32-36 among Indian Persons with Obesity: A Real-World Clinic-Based Study**
Neeta Deshpande, Arushi Bhura, Nikhil Hegde, Suryansh Kumar
- LBC4.35** **Dropout in cognitive behavioural treatment (CBT) in adults with overweight: a systematic review**
Lenyia de Cassya Lopes Neri, Francesca Mariotti, Monica Guglielmetti, Simona Fiorini, Anna Tagliabue, Cinzia Ferraris
- LBC4.36** **The influence of the chronotype on chrono-nutrition dimensions among patients living with severe obesity**
Joana Rodrigues, Vânia Magalhães, Maria Paula Santos, Cátia Reis, Fernando Pichel, Paulo Soares, Jorge Santos, Sofia Vilela
- LBC4.37** **Mild cold exposure has different effects on fasting and postprandial metabolism in individuals with obesity and leans**
Milena Monfort Pires, Teemu Saari, Mueez U Din, Francisco Acosta Manzano, Johanna Örling, Syeda Erhum Zaidi, Katarina Pohjanoksa, Alekski Tornio, Kirsi A. Virtanen
- LBC4.39** **Hybrid Overweight Treatment Clinic (HOTC) - The first 2 years' experience**
Ofri Bendrihem Mannor, Lani Facht Berger, Ilil Yalon Dafni, Rizan Sakhnini, Naim Shehadeh
- LBC4.41** **SESAM - Study Exploring the Supportive effect of Acarbose in weight Management: A 26-week study in participants with overweight or obesity investigating the added contribution of acarbose in the novel weight loss drug EMP16**
Ulf Holmbäck, Stefan Grudén, Helena Litorp, Sandra Kuusk, Göran Alderborn, Joakim Englund, Arvid Söderhäll, Anders Forslund
- LBC4.42** **A digital lifestyle change programme for adults with obesity and prediabetes: A three-arm randomized controlled trial**
Mandy Ho, Jundi Yang, Will Ho Gi Cheng, Pui Hing Chau
- LBC4.43** **Enhanced fat craving in Korean women with gestational Diabetes**
Kyung Wook Kim
- LBC4.44** **Prospective observational study in women with overweight-obesity and infertility treated with a Very Low Calorie Ketogenic Diet**
Luisella Vigna, Alessandra Piontini, Alessandra E Nicolosi, Alessandra Riccaboni, Edgardo Somigliana
- LBC4.45** **Brow adipose tissue (BAT) in lipodystrophies: comparison with obesity and eutrophy**
Maria Eduarda Martelli, Isabela Solar, Natalia Rossin Guidorzi, Jessica Silveira Araújo, Francisco José Albuquerque De Paula, Renan Magalhães Montenegro Jr., Ana Carolina Vasques, Licio Augusto Velloso, Bruno Geloneze

LATE BREAKING COMMUNICATIONS

- LBC4.46** **Pioneering Ireland's first metabolic clinic in the National Forensic Mental Health Service**
Sean Maher, Lore Smyth, Tracey Hoare, Mary Davoren, Donal O'shea
- LBC4.47** **Comparing Brown Adipose Tissue Activation Between Metabolically Healthy and Unhealthy Obesity Phenotypes**
Isabela Solar, Maria Eduarda Martelli, Laura Ramos Gonçalves, Vinicius Ferreira Santos, Licio Augusto Velloso, Bruno Geloneze, Ana Carolina Vasques
- LBC4.49** **Response to a complex lifestyle intervention in adults with obesity is modulated by metabolic adaptation to exercise**
Jozef Ukropec, Ali Amiri, Petronela Forişek Paulová, Karin Marček Malenovská, Katarína Rerková, Oksana Mytai, Nikoleta Alchus Laiferová, Petra Vadovičová, Martin Polák, Jana Kubičková, Daria Barkova, Patrik Konrády, Viera Litváková, Peter Minárik, Lucia Slobodová, Barbara Ukropcová
- LBC4.50** **Nutritional counseling therapy in inhibitory control in major depressive disorder and obesity**
Bruna Cunha Mendes, Lara Júlia Sopelsa, Danielli Vieira Da Silva, Daniele Jerônimo, Greta Gabriela Rycheski, Helena Campos De Sá De Souza, Luciana C. Antunes, Débora Kurre Rieger Venske
- LBC4.51** **Adjuvant Liraglutide 3.0mg Daily Prior to Metabolic and Bariatric Surgery: An Observational Study following the COVID-19 Pandemic**
Sulmaaz Qamar, Ritwika Mallik, Chloe Firman, Tapiwa Ruwona, Friedrich Jassil, Nausheen Hamid, Marco Adamo, Andrew Jenkinson, Haris Markakis, Mohamed Elkalaawy, Andrea Pucci, Janine Makaronidis
- LBC4.52** **Homeostatic appetite and hedonic hunger 13 years after RYGB: Potential associations and predictive value in determining long-term weight loss outcomes**
Siren Nymo, Julianne Lundanes, Jens Fredrik Rehfeld, Jens Juul Holst, Sten Madsbad, Carsten Dirksen, Kirsten Bojsen Møller, Jorunn Sandvik, Catia Martins
- LBC4.54** **Treatment adherence and real-life effectiveness of Liraglutide 3.0 for persons with obesity (PWO) in Italy: the REALIRA multicenter study**
MARIA LETIZIA PETRONI, Cristina Ciuoli, Gianleone Di Sacco, Maria Teresa Guagnano, Valeria Zaccheroni, Angelo Maria Patti, Francesca Marchignoli, Gabriele Iraci Saleri, Annalisa Bufano, Alba Nicastrì, Fabrizio Muratori
- LBC4.55** **Sociological, psychological, and health parameters of candidates for a third or more bariatric metabolic surgery**
Michal Zaichyk Segal, Orit Yogev, Chaya Cchweiger, Roni Elran Barak, Galit Goldzak Kunik, Shiri Sherf Dagan, Shiri Sherf Dagan
- LBC4.56** **Impact of Obesity on Glycemic Control and Quality of Life of Patients Living with Type 1 Diabetes Mellitus**
Ricardo De Leon Durango, Alba Hernandez Lazaro, Carlos Rios Gomez, Borja Santana Ojeda, Daniel Perera Lopez, Marta Sanchez Perez
- LBC4.57** **Occurrence of hypoglycemia in patients with and without type 2 diabetes undergoing metabolic surgery**
Katarzyna Szmygel, Justyna Bigda, Lukasz Kaska, Monika Proczko-Stepaniak, Michał Hoffmann, Krzysztof Narkiewicz
- LBC4.58** **The Remote Diet Intervention to REduce Long COVID symptoms Trial (ReDIRECT) – health profile of the study participants at baseline**
Laura Haag, Janice Richardson, Caroline Haig, Yvonne Cunningham, Heather Fraser, Naomi Brosnahan, Tracy Ibbotson, Jane Ormerod, Chris White, Emma Mcintosh, Catherine O'donnell, Naveed Sattar, Alex Mcconnachie, Michael Lean, David Blane, Emilie Combet
- LBC4.59** **Differentially Methylated Regions (DMRs) after 6-months of bariatric surgery**
Natalia Noronha, Luisa Diani, Guilherme Da Silva Rodrigues, Carolina Ferreira Nicoletti, Ligia Moriguchi Watanabe, Marcela Pinhel, Wilson Salgado Jr., Carla Barbosa Nonino
- LBC4.60** **Implementation of lifestyle medicine in healthcare: An inventory of Dutch clinical practice guidelines**
Florien Ham
- LBC4.61** **Weight loss in smartphone apps at six months and longer: A meta-analysis and bias check**
Eno-Martin Lotman, Kadri Arumäe, Neeme Ilves, Priit Palta, Taavi Tillmann, Uku Vainik, Tõnu Esko
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