

EASO

European Association for the Study of Obesity



3rd EUROPEAN CONGRESS ON OBESITY

12-15 MAY 2024 VENICE, ITALY

PROGRAMME BOOK



www.eco2024.org

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 Working Group: Phenotyping Obesity 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

Obesity Prize for Excellence Session : "A Holistic View of Obesity in Children"
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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TRACK 4

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

2023 EASO New Investigator 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

3rd PAFF-Working Group Session

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 Symposium

EASO COMs Session: Guidelines and Implementation

PROGRAMME AT A GLANCE

14 MAY 2024, TUESDAY

TRACK 1

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TRACK 4

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: Intraorgan 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

2024 EASO New Investigator Awards Session

Nutrition Education in Europe: Innovative Approaches

Joint Session EASO/ESC

PROGRAMME AT A GLANCE

15 MAY 2024, WEDNESDAY

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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

TRACK 1

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TRACK 4

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),
M Tosi (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

*F Fernandez Aranda
(Spain)*

10:00-10:30

ES1.01

The Eating Disorders in Obesity Treatment (EDIT) Collaboration

N Lister (Australia)

10:30-11:00

Lived Experience of Patients with Disordered Eating

ECPO

Session 2 - Beyond Eating Disorders

Chairs: TBC

11:00-11:20

ES1.02

The role of psychological trauma in obesity and other cardiometabolic
conditions

*U A Valdimarsdóttir
(Iceland)*

11:20-11:40

RESOLVE: Realist synthesis of non-pharmacological interventions for
weight gain in severe mental illness

A Kenny (UK)

11:40-12:00

ADHD and Obesity: Learnings from TIMESPAN

H Larsson (Sweden)



12:00-12:20

Discussion

09:30-12:20

**Teaching Workshop: Joint EASO Scientific Advisory Board and
EASO Obesity Management Working Group: Phenotyping Obesities
Beyond BMI**

SALA DARSENA

09:30-10:30

Session 1 - Time Revisiting the beyond BMI paradigm

Chairs: Gema Fruhbeck (Spain), Gijs Goossens (Netherlands)

09:30-09:50

Rethinking and reframing obesity

B McGowan (UK)

09:50-10:10

ES2.01

Mechanisms linking adiposity and cardiovascular disease

N Sattar (UK)

10:10-10:30

Sexual dimorphism in cardiometabolic health: the role of adipose
tissue and skeletal muscle

*G Goossens
(Netherlands)*

10:30-10:50

Coffee break

10:50-12:20

Session 2 - Techniques and practicalities for phenotyping

Chairs: Gema Fruhbeck (Spain), Gijs Goossens (Netherlands)

10:50-11:10

Morphofunctional assessment (phase-angle BIA, echography,
dynamometry-funct. tests)

*J M García-Almeida
(Spain),
I Vegas-Aguilar (Spain)*

11:10-11:30

ES2.02

Energy expenditure and BAT (indirect calorimetry and thermography)

A Cidrin (Spain)

11:30-11:50

ES2.03

The heart (epicardial adipose tissue and coronary TC)

A Malavazos (Italy)

11:50-12:20

Closing remarks

12 MAY 2024, SUNDAY

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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

Chair: Janas Harrington (Ireland)

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)

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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>G Frühbeck (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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14:15-15:45

T2 Abstract Session: Environment and Policy

SALA GRANDE

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

14:15-14:30

AS02.01

Urban environment, preschooler unhealthy lifestyle patterns and energy balance-related behaviors: results from three European mother-child cohorts

A Descarpentrie (France)

14:30-14:45

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)

14:45-15:00

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)

15:00-15:15

AS02.04

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

J Mackenbach (Netherlands)

15:15-15:30

AS02.05

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

SDM Lourenço (Denmark)

15:30-15:45

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

CW 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 (Canada)



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

Obesity Prize for Excellence Session:
"A Holistic View of Obesity in Children"

SALA DARSENA

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

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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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

Chairs: Stefania Camastra (Italy), Fiona McGillicuddy (Ireland)

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	GC1.108	GDF15 is dispensable for the insulin-sensitizing effects of exercise	<i>C Moro (France)</i>
11:10-11:35	Late Breaking Moderated Discussion		SALA MOSAICI 2
	Chairs: Dilek Yazıcı (Türkiye), Silvia Garelli (Italy)		
11:10-11:15	LBC1.02	Understanding the regulatory mechanism of Mig-6 mediated thermogenesis and differentiation in brown adipose tissue	<i>S Choung (South Korea)</i>
11:15-11:20	LBC1.03	Mapping the brain feeding circuitry activated by cagrilintide, semaglutide and CagriSema in mice	<i>TA Lutz (Switzerland)</i>
11:20-11:25	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>
11:25-11:30	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 Sjunnestrand (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)

11:10-11:35

Track 4 Moderated Discussion

SALA MOSAICI 2

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

11:10-11:15

GC4.001

Effect of *Ishige okamurae* extract on musculoskeletal biomarkers in adults with relative sarcopenia: a randomized double-blind placebo-controlled trial

SY Lee (South Korea)

11:15-11:20

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)

11:20-11:25

GC4.003

Obesity-associated gut microbiota and its impact on the metabolome

P Aranaz (Spain)

11:25-11:30

GC4.004

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

C Di Rosa (Italy)

11:30-11:35

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)

13 MAY 2024, **MONDAY**

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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), Saverio Cinti (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 *in vivo*?

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

2023 EASO New Investigator Awards Update Session

SALA GRANDE

Chairs: Tryggvi Helgason (Iceland), Georgia Colleluori (Italy)

11:45-12:10

Basic Science

C Folgueira Cobos (Spain)

12:10-12:35

Clinical Research

S Heinonen (Finland)

12:35-13:00

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 Hestlehurst (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

3rd PAFF-WG Session

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

13 MAY 2024, MONDAY

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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), Vicki Mooney (Ireland)	
15:15-15:30		The Mask that I Wear	<i>ECPO Representative</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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16:10-16:30

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 GC2.004 Obesity and central obesity in the Finnish population from 2000 to 2023 *L Lehtoranta (Finland)*

16:25-16:30 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 (KFrance)*

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)*

16:10-16:35

Track 4 Moderated Discussion

SALA MOSAICI 2

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

16:10-16:15 GC4.005 Ethnicity and BMI-Specific Waist Circumference Thresholds as Predictors of Type 2 Diabetes and Comorbidities *JW Son (South Korea)*

16:15-16:20 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)*

16:20-16:25 GC4.007 Exercise Reduces Chronic Low-grade Inflammation in Adults with Obesity After Weight Loss: A Randomized Clinical Trial *HGA Alkhefagie (Denmark)*

16:25-16:30 GC4.008 MAFLD Outperforms NAFLD in Distinguishing Subjects with Sarcopenia and Compromised Muscle Quality *YK Cho (Soruth Korea)*

16:30-16:35 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 *O 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)

18:15-18:20

Engagement in the ECN Network

18:20-18:30

Announcement of the winner of the EASO ECN Best Thesis award 2024

17:00-18:30

SWEET Symposium

SALA PERLA

Chairs: Jo Harrold (UK), Anne Raben (Denmark)

17:00-18:30

EASO COMs Session: Guidelines and Implementation

SALA DARSENA

Chairs: Paolo Sbraccia (Italy) Cheol-Young Park (Korea)

17:00-17:25

EASO Recommendations for the Staging, Diagnosis and Treatment of Obesity

D Dicker (Israel)

17:25-17:50

Unveiling the Process of Establishing Clinical Practice Guidelines for Obesity by KSSO

J H Kang (Korea)

17:50-18:15

The Lancet Commission Definition of Obesity: Implications for Clinical Practice

F Rubino (UK)

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

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 L 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: Intrerorgan 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	LA Kristensen (Denmark)
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	B McGowan (UK)
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	D Mojdami (US)
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	P Sbraccia (Italy)
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	AM Jastreboff (US)
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	S Wharton (Canada)

11:45-13:15

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	J Yang (Netherlands)
12:00-12:15	AS10.02	Prediabetes and cardiometabolic risk in Danish children and adolescents with obesity	LA Holm (Denmark)
12:15-12:30	AS10.03	Prospective associations between parental feeding practices and appetite in childhood and eating disorders diagnoses and symptoms in adolescence and early adulthood: The Twins Early Development Study	I Derks (UK)
12:30-12:45	AS10.04	Identifying primary healthcare professionals' training needs for continuing professional development to support early childhood obesity prevention	E House (Australia)
12:45-13:00	AS10.05	Misperception of body size and association with body size dissatisfaction among early primary school children	T L Drilen (Norway)
13:00-13:15	AS10.06	The associations of sugar intake and its food sources in early childhood with children's body weight	J Zou (Netherlands)

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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

Chairs: Lise Bjerregaard (Denmark), Margherita Caroli (Italy)

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?	G Prager (Austria)
14:10-14:35	Combining surgical and medical therapy for the best outcome	A Pucci (UK)
14:35-15:00	The emerging problem of surgical tourism	C Parmar (UK)
15:00-15:15	Round table discussion	M Foletto (Italy), G O'Malley (Ireland), R Peterli (Switzerland), Patient representative (ECPO)
13:45-15:15	IMI SOPHIA	SALA MOSAICI 1
	Chair: Carel Le Roux (Ireland)	
13:45-13:55	The Objectives of SOPHIA	A Cali (Denmark)
13:55-14:05	A Federated Database for Obesity Research	M Ibberson (Switzerland)
14:05-14:15	Q&A	
14:15-14:25	Identifying Predictors of Risk and Response Using Obesity Clusters	T Sparsø (Denmark)
14:25-14:35	Predictors of response (Bariatric surgery trajectory tool)	F Pattou (France)
14:35-14:45	Q&A	
14:45-14:55	Obesity in patients with type 1 diabetes	B van der Schueren (Belgium)
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	D McGillicuddy (Ireland)
15:05-15:15	Q&A	

14 MAY 2024, TUESDAY

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15:15-16:00

PLENARY LECTURE

15:15-16:00

Track 2 Plenary Lecture

SALA DARSENA

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

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

Chairs: Maria Angela Guzzardi (Italy), Caterina Pelosini (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), Cristiana Randazzo (Italy)

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 *R 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 *M S Welling (Netherlands)*

14 MAY 2024, **TUESDAY**

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17:00-18:30

EASO SESSIONS

17:00-18:30

EASO Paediatric COMs Session

SALA VOLPI

Chairs: Tryggvi Helgason (Iceland), Erica van den Akker (Netherlands)

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

2024 EASO New Investigator Awards Session

SALA GRANDE

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

17:00-18:30

Nutrition Education in Europe: Innovative Approaches

SALA PERLA

Chairs: Cathy Breen (Ireland), Annemieke van Gienkel (Netherlands)

17:00-17:30

Taste education intervention in children

S Thorsteinsdottir (Iceland)

17:30-18:00

From farm to fork: choices and behaviours. Food & Health

M Thiene (Italy)

18:00-18:30

UNESCO Strategies for global nutrition

A Maria Colao (Italy)

17:00-18:30

Joint Session EASO/ESC

SALA DARSENA

Chair: Alexis Malavazos (Italy)

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 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 TS13.03 Gain and Loss of Glucose-dependent Insulinotropic Polypeptide Receptor Signaling Modifies Gut Inflammation in Mice

R Hammoud (Canada)

10:45-11:00 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)

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>
12:45-13:00	AS13.06	An essential amino acid-based diet improves metabolic health via sex-dimorphic mechanisms	<i>C Ruocco (Italy)</i>

15 MAY 2024, WEDNESDAY

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TRACK 4

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	<i>S Reitzinger (Austria)</i>
11:45-12:00	AS14.02	Estimated economic impact of modelled weight loss in an English population eligible for bariatric surgery	<i>D J Pournas (UK)</i>
12:00-12:15	AS14.03	Economic evaluation of a simulated high-risk population based public health intervention against obesity using semaglutide	<i>S Reitzinger (Austria)</i>
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	<i>A H Hughes (UK)</i>
12:30-12:45	AS14.05	The impact of overweight and obesity on absenteeism from work across 26 European countries: an analysis of EHIS 3 microdata	<i>S Eisenberg (Austria)</i>
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	<i>C Lübker (Denmark)</i>
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)	<i>A I Rito (Portugal)</i>
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	<i>A Pistillo (Spain)</i>
12:00-12:15	AS15.03	The Impact of COVID19 Pandemic in the Obesity in Children and Adolescents: A Cross-Sectional Study	<i>S Hong (South Korea)</i>
12:15-12:30	AS15.04	The effectiveness of a national three-level model of obesity treatment in the paediatric population	<i>I Stucin Gantar (Slovenia)</i>
12:30-12:45	AS15.05	Post COVID-19 Prevalence of Overweight and Obesity among 7-year-old Schoolchildren in Bulgaria, 2023	<i>V Duleva (Bulgaria)</i>

15 MAY 2024, WEDNESDAY

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TRACK 4

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	<i>D Dicker (Israel)</i>
11:45-12:00	AS16.02	Long-term weight regain after gastric bypass is associated with higher post-prandial GIP levels	<i>S Andrade (Portugal)</i>
12:00-12:15	AS16.03	High gain of meal-induced PYY secretion after sleeve gastrectomy can predict better long-term course of weight	<i>J Le Beyec - Le Bihan (France)</i>
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 physiopathology	<i>M Marchegiani (Italy)</i>
12:30-12:45	AS16.05	Evaluation of bone changes after different bariatric surgery techniques using 3D-DXA	<i>N Vilarrasa (Spain)</i>
12:45-13:00	AS16.06	Association of Metformin continuation after bariatric surgery with relapse of Diabetes	<i>D Dicker (Israel)</i>
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		Network Medicine, Artificial Intelligence, and Metabolic Disease	<i>J Loscalzo (US)</i>
13:45-14:15	Closing Ceremony and Abstract Award Presentation		SALA GRANDE

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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 Rydén

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**
Gaggio Stassi, Simone Di Franco, Miriam Gaggiani, Chiara Modica, Sebastiano Di Bella
- TS01.03** **The site-specific crosstalk between adipose tissue and tumor cells involves mitochondrial calcium signalling**
Elisabetta Trevelli, 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 <i>Matthias Tschöp</i>
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- 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**
Giovanna Muscogiuri, Sue D Pedersen, Fatima Jaouimaa, Andrea Hemmingway, Priscila Barroso, Tammy D Forrester, Arian Plat, Donna Mojdam
- 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**
Ania M. Jastreboff, Lee M Kaplan, Juan P Frías, Qiwei Wu, Yu Du, Sirel Gurbuz, Tamer Coskun, Axel Haupt, Zvonko Milicevic, Mark L Hartman
- 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**
Thais Mútran, Amanda Paula Pedrosa, ADRIANA PEREIRA DE SOUZA, Sirleide Nascimento Souza, Vivien Cayres Giarola Suanes Pucci, Artur Francisco Silva Neto, Valter Tadeu Boldarine, Ila missae oyama, Eliane Beraldi Ribeiro, Monica Telles
- AS13.02** **Adipose insulin resistance differs between men and women with obesity**
Daniel Peter Andersson, Peter Amer
- 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**
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- AS13.04** **Maternal high-fat feeding triggers persistent hypothalamic CCR2 monocyte recruitment and long-term metabolic programming in offspring**
Igor Cavalheiro, Alexia Guimarães Batista Augusto, Nicolly Porto Marin, Ester Dos Santos Alves, Carolina Namie Sato Cortezão, Jonathan Ferreira Campos, Vinicius Stefanini Mantovan, Licio Velloso, Natália Ferreira Mendes
- AS13.05** **Untargeted analysis of circulating miRNAs profile before and after dietary weight loss interventions**
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- AS13.06** **An essential amino acid-based diet improves metabolic health via sex-dimorphic mechanisms**
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- AS14.01** **Modelling the economic burden of obesity onset in childhood and maintenance into adulthood from a cohort-perspective**
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- AS14.02** **Estimated economic impact of modelled weight loss in an English population eligible for bariatric surgery**
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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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- AS14.04** **Socioeconomic and life-course risk factors for internalized weight stigma in adulthood: evidence from an English birth cohort study**
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- AS14.05** **The impact of overweight and obesity on absenteeism from work across 26 European countries: an analysis of EHS 3 microdata**
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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**
Sara Holloway, Silvia Capucci, Christopher Lübker
- 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)**
Ana Isabel Rito, Inês Figueira, Sofia Mendes, Cristina Abreu Santos, Fernando Almeida
- AS15.02** **Impact of the COVID-19 pandemic on trends of incidence of overweight and obesity in children and adolescents in Catalonia, Spain**
Sarah Warkentin, Andrea Pistillo, Alicia Abellan, Berta Raventós, Jeroen de Bont, Martine Vrijheid, Talita Duarte-Salles
- AS15.03** **The Impact of COVID19 Pandemic in the Obesity in Children and Adolescents: A Cross-Sectional Study**
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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

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- AS16.02** **Long-term weight regain after gastric bypass is associated with higher post-prandial GIP levels**
Sara Andrade, Carolina B Lobato, Mariana Machado, Bolette Hartmann, Jens J Holst, Mário Nora, Mariana P Monteiro, Marta Guimarães, Sofia S Pereira
- 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**
Angelo Di Vincenzo, Matteo Marchegiani, Chiara Purificati, Simona Pavone, Marta Gentile, Marnie Granzotto, Roberto Vettor, Marco Rossato
- 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 <i>Maheswary Muniandy, Sakari Joenväärä, Birgitta van der Kolk, Tiialotta Tohmola, Hanna Haltia, Sina Saari, Sini Heinonen, Risto Renkonen, Kirsi H. Pietiläinen</i>
GC1.002	Detrimental effects of obesity on the brain: causal implication of the white adipose tissue <i>Florine Seidel, Maximilian Wiesmann, Robert Kleemann, Amanda Kiliaan, Martine Morrison</i>
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>Hounayda El Jindi, Marine Cossec, Maude Le Gall, Séverine Ledoux</i>
GC1.005	Role of lncRNAs in the differentiation of human pediatric adipocytes through Wnt pathway <i>Clarissa Berardo, Alessia Mauri, Letizia Messa, Federica Rey, Gianvincenzo Zuccotti, Stephana Carelli +, Cristina Cereda +</i>
GC1.006	Vasorin regulates insulin signaling pathway in human adipocytes <i>Marco Brandimonte-Hernández, Jose Antonio Nuñez-Sanchez, Augusto Anguita-Ruiz, Angel Gil, Siegfried Ussar, Concepcion Aguilera, Francisco Ruiz Ojeda</i>
GC1.007	Adipocyte glucocorticoid receptor restricts healthy adipose tissue expansion by repressing angiogenesis <i>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</i>
GC1.008	Rosiglitazone and its ability to enhance adipogenesis: a metabolomic and lipidomic analysis <i>Anna Pilatone, Christian Borgo, Giuseppe Paglia, Simone Serrao, Silvia Bettini, Roberto Fabris, Luca Busetto, Roberto Vettor, Maria Ruzzeno, Gabriella Milan</i>
GC1.009	The adipocyte response to ionizing radiations <i>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</i>
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 <i>Giuseppe Petito, Federica Cioffi, Arianna Cuomo, Nunzia Magnacca, Maria Ventriglia, Antonia Lanni, Rosalba Senese</i>
GC1.011	Protective effect of Empagliflozin against palmitate-induced lipotoxicity through enhanced fatty acid oxidation and reduced stress signals <i>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</i>
GC1.012	Dietary essential amino acids improve metabolic flexibility and promote cardioprotection in a mouse model of heart failure with reduced ejection fraction <i>Maurizio Ragni, Chiara Ruocco, Luca Canciani, Letizia Spataro, Carolina Magdalen Greco, Gianluigi Condorelli, Michele Carruba, Alessandra Valerio, Enzo Nisoli</i>
GC1.013	Effect of an olive oil derived N-acyl ethanolamine mixture (OLALIAMID®) in mice with obesity: focus on adipose tissue-liver axis <i>Stefania Melini, Claudio Pirozzi, Adriano Lama, Federica Comella, Filomena Del Piano, Nicola Opallo, Chiara Annunziata, Giuseppina Mattace Raso, Rosaria Meli</i>
GC1.014	Innovative approaches: phyto-probiotics as a therapeutic support for managing obesity-linked psoriasis <i>Arthur Chervet, Rawan Nehme, Clémence Defois Fraysse, Caroline Decombat, Bertrand Evrard, Edith Filaire, Jean Yves Berthon, Assia Dreux Zigha, Laetitia Delort, Florence Caldefie Chezot</i>
GC1.015	Comparative microbiome study for metabolic health probiotic discovery <i>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</i>
GC1.016	Comparative Efficacy of Full-Length and Partial 16S rRNA Gene Sequencing in Gut Microbiome Analysis of Children with Varied Weight Status <i>Hai Hua Chuang, Shih Hsuan Chou, Hsueh Yu Li, Li Ang Lee</i>

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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**
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- 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**
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- GC2.001** **Social inequity in health among individuals with severe obesity and multimorbidity**
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- GC2.003** **Experiences of healthcare professional delivery of opportunistic discussions about weight management in a mental health setting: a mixed methods design**
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- GC2.004** **Obesity and central obesity in the Finnish population from 2000 to 2023**
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- GC2.005** **Overview of obesity in people with severe mental illnesses in Bulgaria, region of Ruse**
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- 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**
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- 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**
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- 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
- GC3.006** **Weight stigma prevalence, sociodemographic determinants, and associations with disordered eating in a representative sample of Spanish adolescents**
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- GC3.007** **The prevalence of obesity among a huge sample of 5-20 years old Jordanian children and adolescents based on CDC criteria**
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- GC3.008** **Weight trajectory patterns during three years of childhood obesity treatment: A Swedish prospective cohort study**
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- GC3.009** **Breastfeeding and cardiometabolic health at 9-11 years of age: findings from the ROLO longitudinal birth cohort study**
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- GC3.010** **Influence of mother's country of birth on early childhood BMI z-scores in Victoria, Australia**
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- GC3.011** **The effects of ectopic ASIP (agouti signaling protein) on adipocyte development and metabolism in vitro**
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- GC3.012** **Chronoexercise around Meals and Energy Intake in Youth - The Importance of Considering Sex and Activity Levels**
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- GC3.013** **Diagnostic value of soluble LEPR levels in the serum of patients with disease-causing biallelic LEPR variants**
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- GC3.014** **Unraveling the relationship between head circumference and MC4R deficiency in children: a cohort study**
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- GC3.015** **Polygenic risk score improves prediction of childhood obesity in the Norwegian Mother, Father, and Child Cohort Study**
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- GC3.136** **Food Insecurity and childhood obesity: exploring potential dietary and psychological mechanisms**
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- GC3.137** **Homozygous mutations in SREK1 linked to a new condition of syndromic obesity**
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- 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?**
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- GC3.139** **Childhood weight trends in Bergen, Norway (2010-2022): Analysis of overweight, obesity, and severe obesity using data from routine child healthcare**
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- 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
- GC4.001** **Effect of Ishige okamurae extract on musculoskeletal biomarkers in adults with relative sarcopenia: a randomized double-blind placebo-controlled trial**
Sang Yeoup Lee, Jimin Hyun, You Jin Jeon, Bomri Ryu

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- 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 (Ray) Vinogradov
- GC4.003** **Obesity-associated gut microbiota and its impact on the metabolome**
Paula Aranaz, Iñigo Clemente Larramendi, Ana Romo Hualde, José Ignacio Riezu Boj, J. Alfredo Martínez, Fermin I. Milagro
- 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 Cocco, Antonella Simone, Michele Pier Luca Guarino, Silvia Manfrini, Yeganeh Manon Khazrai
- GC4.005** **Ethnicity and BMI-Specific Waist Circumference Thresholds as Predictors of Type 2 Diabetes and Comorbidities**
Jang Won Son, Seong Su Lee, Soon Jib Yoo, Sungrae Kim
- 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. Alkhefajie, 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 Antoniadis, Sten Madsbad, Joachim Størling, Signe Tørekov
- 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 Malinici, 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, Jørn Hjeltnes, Jostein Wågen Hauge, Jens Kristoffer Hertel, Dag Hofsv, Line Kristin Johnson
- GC4.012** **Pragmatic vitamin and micronutrient supplementation strategy after bariatric surgery**
Hélène 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, Francesco 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, Claudia Coelho, James Crane, Georgios K. Dimitriadis, David Hughes, Iskandar Idris, Sarah Le Brocq, John Wass, Alex D. Miras, Rob Andrews, John Ph. Wilding, Tricia Tan, Barbara M. McGowan, Katherine McCullough
- 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, Jørn Hjeltnes, Nina M. Harder Lauridsen, Petra Weimars, Ole Kleist Jeppesen, Klaus Kallenbach, Michael Lincoff, Ildiko Lingvay

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- GC4.017** **Safety of SGLT2 inhibitors in kidney transplant recipients with diabetes mellitus**
Talia Diker Cohen, Amir Polansky, Idan Bergman, Gida Ayada, Tania Bebich, 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, Anneli 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
- GC4.351** **Relevance of Body Weight and Weight Change on Cardiovascular Benefit with Semaglutide: A Pre-specified Analysis of the SELECT Trial**
John Deanfield, Ildiko Lingvaj, 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 Hjelmæsæth, 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
- LBC1.02** **Understanding the regulatory mechanism of Mig-6 mediated thermogenesis and differentiation in brown adipose tissue**
Sorim Choung, Ji Min Kim, Kyong Hye Joung, Hyun Jin Kim, Bon Jeong Ku
- 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 Scraglieri, Manuel Bruno Trevisan, Serenella Castelveccchio, 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**
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- 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 Kyrii, 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 Garcia 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 Koutafakis, 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**
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- GC1.029** **An association between omentin-1 concentration and adiposity markers in patients with obesity and hypertension**
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- 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 Avissi, 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-kB 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

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- 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**
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- 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**
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- GC1.039** **Deciphering the Impact of SARS-CoV-2 on Adipose Tissue**
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- GC1.040** **Metabolic obesity in normal-weight individuals: new perspectives on adipose tissue dysfunction**
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- GC1.041** **Total and H-Specific GDF-15 levels are not affected by liraglutide or naltrexone/bupropion administration**
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- GC1.042** **Effects of weight loss with cold exposure on appetite, smell and taste in individuals with obesity: preliminary results**
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- GC1.043** **Circadian Rhythm Stability and Adiposity: A Comparison of Human-Smartphone Interaction and Actigraphy Measurements**
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- 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**
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- 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 Beaugregard, 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**
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- 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**
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- 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**
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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**
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- 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**
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- GC1.057** **Impact of Bariatric Surgery on Intestinal Immunity: Insights from Rat Model Evaluating CD8αα and CD8αβ Ratios**
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- GC1.059** **The effect of intracerebroventricular administration of GALP on key hepatokines and hepatic glucose metabolism in mouse**
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- GC1.061** **Antioxidant effect of Opuntia stricta var. dillenii peel and Opuntia ficus-indica pulp extracts in diet-induced steatosis in rats**
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- GC1.062** **VLDL particles carrying miR-122 from the liver were associated with higher BMI in humans**
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- GC1.063** **Hepato-protective profile of SGLT2 inhibitor short-term treatment is less significant in animal models of genetic obesity**
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- GC1.068** **Body fatness predicts weight and fat mass gain during controlled overfeeding in men**
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- GC1.069** **Spontaneous nonsense mutation in Tuf1 (tuftelin 1) gene is associated with amelioration of glucose and lipid metabolism in the rat**
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- GC1.071** **Long-term effect of bariatric surgery on circulating GDF15 concentrations**
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- GC1.074** **Dysregulation of plasma metabolite variability in South Asian Indian males with type 2 diabetes**
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- GC1.075** **Assessment of dynamic reductions in resting energy expenditure during rapid weight-loss**
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- GC1.076** **They protein isolate increases biotin level in the liver in association with gut microbiota in mice**
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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**
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- GC1.082** **Metabolic effects of extra-virgin olive oil's polyphenols in a mice model of diet-induced obesity**
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- 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**
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- GC1.085** **No effect of high fructose and high glucose diet on body weight of male Wistar rats**
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- GC1.086** **The feasibility of a clinical tool to establish adherence to the Eatwell Guide**
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- GC1.089 Effects of estradiol replacement during early and late menopause on glucose and lipid metabolism in high-fat-fed female mice**
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- GC1.090 Acute kaempferol stimulation is associated with AKT activation independent of insulin receptor tyrosine phosphorylation**
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- GC1.091 Inequalities in comorbid obesity-related complications in people living with obesity according to deprivation and ethnicity; a UK real world retrospective study**
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- 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
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- GC1.096 Genetic dissection of serum pro-neurotensin implicates its causal effect on brain structure**
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- GC1.097 Tracing obesity from parents to adult offspring: The Tromsø Study 1994-2016**
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- GC1.098 Relationship between serum total testosterone concentration and metabolic syndrome in premenopausal women with obesity**
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- 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**
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- GC1.101 Continuous glucose monitoring in patients with symptoms of hypoglycemia after bariatric surgery: a retrospective study**
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- GC1.102 Nutritional Profile and Body Fat in Beneficiaries of a Senior Care Center in Tijuana, Mexico**
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- GC1.103 Passive dehydration changes bioelectrical impedance's assessed body fat percentage and phase angle in overweight and obese individuals**
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- GC1.104 Postingestive reward acts through behavioural reinforcement and is conserved in obesity**
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- GC1.105 Beneficial metabolic effects of amino acids, Krebs cycle intermediates and electrical pulse stimulation on C2C12 myotubes**
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- 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**
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- 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**
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- GC2.016 Changes in consummatory behavior (liking) after liraglutide treatment in adult people with obesity**
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- 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**
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- GC2.019 Association between obesity phenotype and sleep duration in apparently healthy adults**
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- GC2.020 Alterations in the daily rhythms of body Temperature, Activity and Position (TAP) associate with impaired glucose tolerance**
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- 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**
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- 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**
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- GC2.027** **The association of smoking with different eating and dietary behaviours: a cross-sectional analysis of 83,781 UK adults**
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- GC2.038** **Long-term Hair Cortisone and Long-term Psychological Stress are Associated with Long-term Hedonic Eating Tendencies in Patients with Obesity**
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- GC2.054** **Time trends of the association of body mass index with mortality in 3.5 million young Swedish adults**
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- GC2.059** **Association of body mass index (BMI) with all-cause mortality among older adults with and without diabetes in Hong Kong**
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- GC2.060** **Metabolically healthy and unhealthy women and men with normal weight, overweight and obesity – The Tromsø Study 2015-2016**
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- GC2.061** **Metabolic dysregulation in lean young Asian women with high adiposity**
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- 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**
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- GC2.063** **Prevalence of metabolic syndrome in obesity clinic patients - real world data from a tertiary care hospital in Greece**
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- GC2.071** **Sugar intake in a sample of young British university students according to participants with obesity and ethnic background**
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- GC2.072** **Association of abdominal obesity to metabolic syndrome antecedents in Panamanian college students**
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- GC2.073** **Prevalence of overweight, obesity and related factors among medical residents**
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- GC2.076** **How has the COVID-19 pandemic affected national trends in adult body mass index and obesity?**
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- GC2.151 **Inclusive public health policies for obesity and eating disorders: a focus on children and adolescents**
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- GC3.035** **Parents-offspring association of obesity types in Korean families: nationwide cross-sectional survey**
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- GC3.036** **Sweden's first national guidelines for the assessment and treatment of pediatric obesity**
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- GC3.037** **Lack of age-specific recommendations on diet and nutrition behaviour for young people living with obesity in transition age – an evidence map of recommendations from evidence-based guidelines**
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- GC3.038** **Parental experiences and perceptions of a parent support program followed by a mHealth intervention as treatment for childhood overweight and obesity**
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- GC3.039** **Implementing a family-based intervention to promote healthy family routines in deprived neighbourhoods – a feasibility study from Bremen, Germany**
Marie Lisanne Schepan, Wolfgang Ahrens, Thomas Altgeld, Heide Busse, Jess Haines, Stefan Rach, Elisabeth Rataj, Annika Swenne, Maïke Wolters, Hajo Zeeb, Tilman Brand
- GC3.040** **Support on the Homefront: Using a Hospital in the Home (HiTH) service to support implementation of specialised interventions for Children and Adolescents with Class 3+ Obesity**
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- GC3.041** **Differences in parental feeding practices used in preschoolers with Autism Spectrum Disorders (ASD) of normal weight and those with overweight or obesity: A pilot study**
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- GC3.042** **Comparing the use of food and physical activity parenting practices: Parents of children with overweight and obesity versus parents of children with a healthy weight**
Lisanne Arayess, Sanne M Gerards, Junilla K Larsen, Ester F C Van Der Borgh Sleddens, Anita C E Vreugdenhil
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- GC3.047** **The recruitment of adolescents with obesity to the Fast Track to Health randomised control trial**
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- GC3.048** **Safety and acceptability of a very-low-energy diet for the treatment of adolescent obesity: a Fast Track to Health sub-study**
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- GC3.049** **Does Lifestyle Intervention Impact on Infant Growth After Exposure to Hypertensive Disorders of Pregnancy? A BP2 Sub-Study**
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- GC3.050** **Family Meals on Prescription as Treatment for Childhood Obesity - a Randomized Controlled Trial**
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Juliana Martins, Cláudia Augusto, Maria José Silva, Ana Duarte, Silvana Martins, Henedina Antunes, Paulo Novais, Beatriz Pereira, Paula Veiga, Rafaela Rosário
- GC3.052** **Attrition rate and predictors of a monitoring mHealth application in adolescents with obesity**
Maurane Desmet, Allicia Fillon, David Thivel, Caroline Braet
- 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
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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
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Wolfgang Ahrens, Tilmann Brand, Heide Busse, Stefaan De Henauw, Luis Aznar Moreno, Tanja Vrijkotte, Teatske Altenburg, Iris Pigeot, On Behalf Of The GrowH! Consortium
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Anna Lee, HyunJin Kim
- GC3.062** Revised adolescent PCOS criteria: implications for women's metabolic well-being
Maria Nowak Ciołek, 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
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- 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 Midlji, Ophir Borger, Hagar Interator, Achiya Amir, Hadar Moran Lev, Avivit Brenner, Yael LeBenthal
- 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
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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
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Peter T Katzmarzyk

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- GC3.078** **BMI-based obesity classification misses children and adolescents with elevated cardiometabolic risk due to increased adiposity**
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- 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 Brudin, 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**
Maria Martens FrauLund, Johanne Kofoed Lundegaard, Cilius Fonvig, Louise Aas Holm, Janus Christian Jakobsen, Jane Lindschou, Christian Gluud, Jennifer Lyn Baker, Michelle I. Cardel, Louisa Ells, Aaron Kelly, Ram Weiss, Thorikd I.a. Sørensen, Torben Hansen, Jens Christian Holm
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Otilia Elena Frasinariu, Ioana Vasiliu, Ionut Daniel Iancu, Lorena Manole, Oana Temneanu, Laura Mihaela Trandafir
- GC3.086** **Fast Track to Health. Change in psychosocial outcomes during a randomised controlled trial of intermittent energy restriction in adolescents with obesity**
Natalie B Lister, Louise A Baur, Eve T House, Kaitlin Day, Megan L Gow, Mary Kate Inkster, Cathy Kwok, Sarah Lang, Hiba Jebile
- 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**
Heleen Goemaere, Sandra Verbeken, Annelies Van Royen, Taaïke Debeuf, Marie Lotte Van Beveren, Caroline Braet
- 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**
Asiye Busra SIRIN AYVA, Sophie Edwards, Nadine Heywood, Paul Gatley, Kathryn Marshall
- GC3.091** **Time Limited Psychology Provision in a Tier 3 Multidisciplinary Service for Children living with Severe Obesity and Associated Health Complications**
Jennifer Clayton, Pooja Sachdev, Sam Dalzell
- GC3.092** **Obesity management of Polycystic ovary syndrome**
Mohamed B Radwan, Ashraf Aboloz, Mohamed Zaki

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- GC3.093** **Innovations in Pediatric Obesity Care: Examining the Impact of Low-Threshold stepped care and the Energy Density Concept in STARKIDS - A large cluster-randomized controlled study**
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- GC3.094** **Acupuncture combined with a very low carbohydrate diet as multi-targeted therapy for the multifactorial disease obesity: a complex neuro-endocrine immune interplay**
Raymond Guy Landgraaf, Massimo Fumagalli, Michelle Nicté Bloem, Marc Alexander Benninga, Fleur De Lorijn, Harry Roger Buller, Max Nieuwdorp
- GC3.095** **Probiotic supplementation and body weight**
Maryam Babaali, Saeideh Babaali, Mahkameh Moradimehrabadi
- GC3.096** **Water intake and adiposity development among pre-school children susceptible to obesity**
Nanna Julie Olsen, Sofus Christian Larsen, Jeanett Friis Rohde, Berit Lilienthal Heitmann
- GC3.097** **Maternal Dietary Inflammation and Placental Outcomes: Evidence of Sexual Dimorphism in Mothers with Overweight and Obesity**
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- GC3.098** **The longitudinal associations of health behaviors with rapid increase in adiposity during early adolescence**
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- GC3.099** **Satiety responsiveness predicts weight development from childhood to adolescence**
Catharina Sarkkola, Sohvi Lommi, Kris Elomaa, Eero Kajantie, Satu Männistö, Heli Viljakainen
- GC3.100** **Assessing Childhood Obesity and Dietary Patterns in Romania: A Comprehensive Study Utilizing the KIDMED Test**
Bogdan Mihai Pascu, Carla Ciobanu
- GC3.101** **Daily erythritol intake over five weeks led to a reduction in sugar intake in healthy adolescents**
Anita Altstädt, Valentine Bordier, Emilie Flad, Jürgen Drewe, Christoph Beglinger, Anne Christin Meyer-Gerspach, Bettina Wölnerhanssen
- GC3.102** **Diet among European children and its association with weight-related outcomes**
Sarah Warkentin, Nikos Stratakis, Lorenzo Fabbri, John Wright, Rosemary McEachan, Barbara Heude, Remy Slama, Marina Vafeiadi, Regina Grazuleviciene, Anne Lise Brantsæter, Martine Vrijheid
- GC3.103** **The increasing prevalence of breakfast skipping is associated with increased risk of obesity and cardiometabolic risk in children and adolescents**
Yeong Sook Yoon, Sang Woo Oh
- GC3.104** **The effect of omega-3 fatty acids on reducing adiposity in children and adolescents. A systematic review and meta-analysis of randomised clinical trials**
Walaa Asaad, Helen Budge, Shalini Ojha, Amanda Avery
- GC3.105** **The Role of Eating Patterns and Biological Factors in Inducing Metabolic Improvement Following Bariatric Surgery or Dietary Intervention**
Saba Toosinezhad, Marianne Bråtevit, Johan Ferno, Simon Dankel, Luca Busetto
- GC3.106** **An examination of association of parental feeding practices with childhood obesity among school children aged 6-12 years in Ghana**
Tutuwaa Baffo Ewusie, Bertha Ochieng, Helen Coulthard, Maxine Sharps
- GC3.107** **Children with Overweight and Obesity: Frequency of first visits and overweight management by general practitioners in the Netherlands**
Hevy Hassan, Jacqueline Van Den Driest, Angeline Bosman, Bart Koes, Patrick Bindels, Marienke Van Middelkoop
- GC3.108** **Weight loss efforts in Korean adolescents from 2005 to 2021 by weight status and self-perceived body shape**
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- GC3.109** **Title: The Impact of High-Dosage Vitamin D Supplementation on Insulin Resistance: A Case Report**
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- Child and Adolescent Obesity Management Services in Ireland: Preliminary Perspectives from Service-Users**
GC3.110 *Desire Naigaga, Niamh Arthurs, Farzana Ferdous, Mohammad Almulla, Aisling Walsh, Oluwatofunmi Oluwajuyigbe, Paula Waldron, The LANDSCAPE Youth Panel, Bernadette Keenan, Sven Schubert, Sarah O'Brien, Clodagh O'Gorman, Susan M Smith, Louise Baur, Grace O'Malley*
- 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**
GC3.112 *Hannah Hickingbotham, Katherine Hawton, Alanna Holt, Julian Hamilton Shield, Dinesh Giri*
- Appetitive traits and body weight in preschoolers – an analysis of baseline data and changes 9 months after an obesity intervention: a study within the STOP project**
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- ROHHAD syndrome - immunomodulatory response to rituximab and learning points from case series**
GC3.114 *Katherine Hawton, Julian Paul Hamilton Shield, Andrew Hogan, Dinesh Giri*
- Physical Activity Promotion for Young People with Type 1 Diabetes: A Pilot Community Based Initiative**
GC3.115 *Susan Giblin, Siobhan Wagner, Johann Licht, Alison Mccaffrey, Therese Dunne, Orla Neylon, Clodagh O'gorman*
- Effect and safety of a physical exercise-based intervention on body composition and cardiometabolic health of adolescents with severe obesity**
GC3.116 *Antonio Videira da Silva, Luis Sardinha, Helena Fonseca*
- Sleep and Childhood-onset Obesity: Associations with Appetite and Physical Activity – the RESETTLE trial**
GC3.117 *Joachim Holt, Rasmus Michael Sandsdal, Sarah Byberg, Julie Louise Jensen, Louise Aas Holm, Bodil Just Christensen, Simon Birk Kjær Jensen, Torben Hansen, Jens Christian Holm, Signe Sørensen Torekov*
- Resources used and trusted for child health information by culturally and linguistically diverse communities in Australia, with Implications for Childhood Obesity**
GC3.118 *Danielle Jawad, Sarah taki, Louise Baur, Chris Rissel, Seema Mirshahi, Li Ming Wen*
- Protocol: Developing and evaluating an interactive web-based Healthy Beginnings program while integrating health literacy and cultural considerations aiming to prevent the onset of overweight and obesity in children**
GC3.119 *Danielle Jawad, Sarah taki, Louise Baur, Chris Rissel, Seema Mirshahi, Li Ming Wen*
- Early childhood obesity prevention in primary healthcare: practices, self-efficacy, knowledge, and attitudes of Australian primary healthcare professionals**
GC3.120 *Eve House, Erin Kerr, Elizabeth Denney Wilson, Sarah Taki, Sharlene Vlahos, Alexandra Fili, Karen Willcocks, Kylie Hodge, Chris Rossiter, Heilok Cheng, Louise Baur, Li Ming Wen*
- Bioelectrical impedance parameters add incremental value to waist-to-hip ratio for prediction of non-alcoholic fatty liver disease in youth with overweight and obesity**
GC3.121 *Kyungchul Song, Min Young Do, Ji Won Lee, Yu Jin Kwon*
- Childhood obesity prevention and healthy eating promotion: The potential role of motivational-related factors**
GC3.122 *Beatriz Pereira*
- Does declining participation in a community-based lifestyle intervention for children with obesity, predict long-term weight gain?**
GC3.123 *Rasmus Møller Jørgensen, Jane Nautrup Østergaard, Mette Fogh, Rachael Waring Taylor, Henrik Støvring, Jens Meldgaard Bruun*
- Key elements across systems frameworks for childhood obesity prevention: a scoping review and consultation of international advisors**
GC3.124 *Laura Belmon, Alejandra Sotomayor Sainz, Heide Busse, Irma Huiberts, Stefanie Vandevijvere, Lara Christianson, Wolfgang Ahrens, Stefaan De Henauw, Teatske Altenburg*
- Nutripiatto: a tool for nutritional education. A comparative survey of eating habits in Italian school-age children**
GC3.125 *Chiara Spiezia, Di Rosa Claudia, Lattanzi Greta, Monticone Martina, De Gara Laura, Khazrai Yeganeh Manon*

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- GC3.126 Promoting nutrition knowledge, healthy eating and Mediterranean Diet in childhood: preliminary results from the "LOVVATI" project in Italian schools**
Raffaella Cancellò, Sara Alghisi, Ilaria Pelati, Iolanda Zaccaria, Simona Bertoli
- GC3.127 Seasonal variance of (25OH) Vit D among obese women in North Macedonia**
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- 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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- GC3.130 EDU-FIT: inclusive social education fit for healthy lifestyle, preventing obesity in young adults**
Maja Baretić, Zrinka Šmuljić, Vlasta Kučić, Natalia Kaloh Vid, Sanja Seljan
- GC3.131 Obesogenic environment: a narrative review of the literature**
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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**
Marijetka Švigelj, Tatjana Gantar, Tina Kaparič Kersnik, Jelena Prijčić, Blaž Repar, Irena Štucin Gantar
- GC3.134 Supporting children and young people living with excess weight with a background of neurodiversity in deprived areas: an experience from a Complications of Excess Weight (CEW) service in the UK**
Theodora Papanikolaou, Kiran Duggal, Tracie Davies, Safia Ravat, Natalie Knight, Alix Toffin, Lucy Cooper, Marie Mcelroy, Kate Rhodes, Suma Uday, Renuka Dias, Sarah Say, Jan Idkowiak
- GC3.135 Associations between family socioeconomic factors, overweight and unhealthy eating habits after COVID-19 pandemic, in school-age children in Portugal**
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- 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?**
Patti Kastanias, Wei Wang
- 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)**
Trilene RT Liang, Sarah YT Tan, Hong Chang Tan, Emily Ho, Jp Kovalik, Jasmine Chua, Orlanda Goh, Chin Hong Lim, Jeremy Tan, Alvin Eng, Eugene Lim, Weng Hoong Chan, Tiffany Lye, Zhen Jin Lee, Ravishankar Asokkumar, Paik Shia Lim, Giat Yeng Khee, Ai Shan Tan, Cindy Ng, Serene Wong, Kwang Wei Tham, Angelina Foo, Yoke Ling Chan, Phong Ching Lee
- GC4.024 Outcomes of One Anastomosis Gastric Bypass in 472 Patients with Diabetes Mellitus**
Osama Taha, Mahmoud Abdelaal
- 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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- GC4.027** **The Outcomes of Revisional One Anastomosis Gastric Bypass Versus Revisional Roux-en-Y Gastric Bypass After Primary Restrictive Procedures**
Osama Taha, Mahmoud Abdelaal
- GC4.028** **Outcomes of a Swallowable Intra-gastric Balloon (Elipse™) on 96 Overweight and people with obesity**
Mahmoud Abdelaal, Osama Taha
- GC4.029** **Single Port Sleeve Gastrectomy Versus Multiple Port Sleeve Gastrectomy**
Yan Gu, Jason Widjaja
- GC4.030** **Elevated Tumor Marker Levels in Patients with Obesity and the Effect of Bariatric Surgery**
Yan Gu, Jason Widjaja
- 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**
Jostein Wågen Hauge, Jøran Hjeltnes, Heidi Berge, Morten Lindberg, Thor Olav Widerøe Hillestad, Erling Halvorsen, Jens Kristoffer Hertel, Rune Sandbu, Marius Svanevik, Dag Hofsvang
- GC4.032** **Improvement in dilated cardiomyopathy after bariatric surgery – a case study**
Iva Jakubiková, Luděk Horváth, Martin Haluzik
- GC4.033** **A case of choledochal stenosis that was diagnosed in the early period following sleeve gastrectomy**
Feray Akbas, Vahit Can Cavdar, Mert Aric, Ayse Satilmisoglu
- GC4.034** **Addressing technological challenges affecting compliance in micronutrient and protein supplementation after metabolic and bariatric surgery (MBS)**
Vid Vičič, Tadeja Pintar
- 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**
Sabrina Kaur Blackwood, Eugenia Romano, Ruwan Weerakkody, Abdallah Abdelwahed, Robert Stewart, Gayan Perera
- GC4.037** **Telephone-based cognitive behavioral therapy for post-operative bariatric surgery patients: Long-term psychosocial outcomes from a multi-site randomized controlled trial**
Sanjeev Sockalingam, Samantha Leung, Katey Park, Clement Ma, Raed Hawa, Susan Wnuk, Satya Dash, Timothy Jackson, Stephanie Cassin
- 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 Landeche, Victor Valentí, Javier Gómez Ambrosi, Gema Fruhbeck
- GC4.042** **Behavioral Change for Bariatric Surgery Patients using a mobile application - A Comprehensive Approach**
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**
Seydehparisa Mirpourian, Laura Valzoghler, Martin Müller, Stefan Patauner, Alessio Corradi, Michael Kob

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- GC4.044 Potential role of endogenous GLP-1 on arterial stiffness and renal hemodynamics following bariatric surgery**
Diego Moriconi, Eleni Rebelos, Silvia Armenia, Linda Bonvicini, Stefano Taddei, Rosa Maria Bruno, Monica Nannipieri
- 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**
Ross Watkins, Laura L Jones, Ken Clare, Kate Jolly, Colin J Greaves, Karen Coulman, Emma Shuttlewood, Nick Cavill, Helen M Parretti
- 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
- GC4.056 Differences in Diabetes Prevalence and Metabolic Syndrome Regarding Gender in Patients with Obesity**
Simone Leonora Huber, Verena Parzer, Bernhard Ludvik, Johanna Maria Brix
- GC4.057 Why and how can we improve nutritional care for pregnant women after bariatric surgery? The NUMASURG project**
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**
Enzamaría Fidilio, Pilar Costa, Marta Comas Martínez, Maria Francesca Filippi Arriaga, Paula Ferro, Vanesa Flores, Mercè Abad Martín, Andreea Ciudin Mihai
- GC4.061 Laparoscopic Sleeve Gastrectomy (LSG) after laparotomic central hepatectomy is challenging but feasible**
Alice Albanese

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- GC4.062** **Dietetic medical nutrition therapy support needs following bariatric surgery: data from a national bariatric service in Ireland**
Cathy Breen, Amanda Rhynehart, Jessica Mellothe, 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**
Jean-baptiste Bonnet, Sarah Tournayre, Jean Anitcheou, Catherine Boegner, Abdulkader Jalek, Dominique Jullien, Vincent Attalin, Justine Myzia, Lucile Marty, Youadigue Kemba, Camille Le Rouzic, david nocca, Ariane Sultan, Antoine Avignon
- 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
- GC4.070** **Naltrexone-bupropion for weight regain following bariatric surgery: a retrospective study**
Marie Yskout, Nele Steenackers, Jarne Hoste, Sofia Pazmino Lucio, Caroline Simoens, Nele Mattelaer, Matthias Lannoo, Ellen Deleus, Ann Mertens, Bart Van der Schueren, Roman Vangoitsenhoven
- 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**
Armando Patrizio, Marianna Palumbo, Brenno Astiarraga, Giacomo Redi, Federico Pagani, Carlo Moretto, Rosario Bellini, Alessandro Antonelli, Stefania Camastra
- 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**
Narriane Chaves Pereira Holanda, Taissa Gomes Fonseca Moura, Caio Chaves De Holanda Limeira, Heloisa Calegari Borges, Nara Nóbrega Crispim Carvalho, Ana Carla Montenegro, Francisco Bandeira
- 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?**
Patti Kastanias, Wei Wang

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- GC4.078** **Ontario Bariatric Network (OBN) and Project ECHO - working towards excellence in obesity care in Ontario, Canada**
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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**
Pooja Dhir, Maria Maynard, Kevin J Drew, Catherine Homer, Chirag Bakhai, Louisa Ellis
- 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
- GC4.085** **Overcoming Obesity and Type-2-Diabetes in Indian Population: A Holistic Lifestyle Intervention Approach**
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**
Marie Claire Chamieh, Elie Jacques Fares
- 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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- GC4.127** **The gut microbiota variation after 6 months of a Weight Loss Intervention: The WLM3P Study**
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- GC4.129** **Prevalence of difficult experiences in childhood among people living with obesity and the effect on treatment**
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- GC4.152** **New BMI Cut-Off Points for Obesity in Middle-Aged and Older Adults in Nutrition Settings in Italy**
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- GC4.153** **The Risk of Sarcopenia among Adults with Normal-Weight Obesity in a Nutritional Management Setting**
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- 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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- GC4.157** **Prevalence of sarcopenic obesity using the ESPEN and EASO consensus statement criteria of 2022 in female outpatients with obesity**
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- GC4.158** **A treat-to-target approach for obesity management: exploring potential treatment targets using real-world data**
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- GC4.159** **Heterogeneity in the association between different adiposity measures and incident obesity-related complications, and the role of body fat distribution: a population-based cohort study**
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- GC4.160** Epicardial fat thickness is increased in menopausal patients in comparison with premenopausal patients with similar weight excess: a cross-sectional study
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- GC4.161** Are variants of the RBP4 gene associated with atherosclerosis risk expressed by carotid intima-media thickness in women with obesity?
Anna Maria Rychter, Marzena Skrzypczak Zielińska, Dariusz Naskręt, Michał Michalak, Agnieszka Zawada, Michał Walczak, Alicja Ewa Ratajczak-Pawłowska, Kinga Skoracka, Ryszard Słomski, Agnieszka Dobrowolska, Iwona Krela-Każmierczak
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- GC4.165** The Indicators of Obesity and Metabolic Syndrome: The comparison of discrimination power among BodyMass Index, Waist circumference, Waist-Height ratio
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- GC4.166** Low calorie diet: the effect on the anthropometric parameters, micro and macro nutrients' intake - results from an interventional study
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- GC4.167** A randomized, controlled clinical trial to evaluate the effect of an 8-week, energy-restricted ketogenic diet on the inflammation-related parameters in women with overweight and obesity
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- GC4.168** Lipid metabolism in women with overweight after 8-weeks, isocaloric, energy-restricted ketogenic diet
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- GC4.169** Changes in the iron metabolism after 8-weeks, isocaloric, energy-restricted ketogenic diet in women with overweight and obesity
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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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- GC4.172** Results of a 6-month weight loss intervention, using practical portion size estimation aids, in the context of the "Workplace Health Promotion" project
Alessia Bonalumi, Federica Bolpagni, Claudia Bancone, Michele Sculati
- GC4.173** Effects of ESC/ESH-based written generic lifestyle advice and a nutraceutical on 24-hour blood pressure in overweight/obese patients with high-normal office blood pressure and low-moderate cardiovascular risk
Matteo Landolfo, Francesco Spannella, Chiara Polisenò, Adriano Massaccesi, Federico Giulietti, Roberto Festa, Enrico Cavazzin, Giulio Sasso, Alberto Mazza, Riccardo Sarzani
- GC4.174** Impact of green tea kombucha on inflammation, intestinal permeability, and body composition in individuals with excess weight: a randomized controlled trial
Gabriela Macedo Fraiz, Dandara Baia Bonifácio, Viviana Corich, Alessio Giacomini, Frederico Barros, Hércia Stampini Duarte Martino, Josefina Bressan, Fermin I. Milagro

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- Evaluation of the utility and the effectiveness of the remote body composition monitoring in patients with overweight or obesity during a lifestyle intervention**
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- Effects of supplementing a lifestyle intervention with liraglutide 3.0 mg on body composition and visceral fat**
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- Impact of high protein ultra-processed foods on energy and macronutrient balance**
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- Energy allocation to the brain 'drives' adaptive thermogenesis with weight loss**
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- Gender differences in adherence and effectiveness of the Very Low-Calorie Ketogenic Diet for weight loss: real world data**
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- Examining Ketogenic Diets for Weight Management: A Comprehensive Review Through the Lens of Physiological and Biochemical Nutrition**
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- GC4.191** **Real life efficacy of liraglutide therapy on weight-loss in female patients with obesity and with baseline BMI <35 vs ≥35 kg/m² and menopausal condition**
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- GC4.192** **Comparison of efficacy of injectable and oral Semaglutide treatment in patients with obesity and overweight and with type 2 diabetes**
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- GC4.193** **Gender-difference in response to treatment with Liraglutide 3.0 mg**
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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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- GC4.195** **Real-world use of liraglutide for weight management according to label in the UK: a study using the Clinical Practice Research Datalink primary care databases**
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- GC4.196** **Resting energy expenditure and muscle strength are preserved after weight loss induced by liraglutide or naltrexone/bupropion in patients with obesity**
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- GC4.197** **Efficacy of Topiramate/Phentermine Extended Release in Weight Management and Metabolic Profiles: A Real-World Multicenter Study in South Korea**
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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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- GC4.199** **Effects of Pharmacological Therapy for Obesity: Results from a Real-Life Monocentric Study**
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- GC4.200** **Correlation Between Semaglutide and Weight Reduction in Individuals with Obesity: A Systematic Review**
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- GC4.201** **Phentermine-Topiramate Combination in Latin American populations: Clinical Efficacy and Safety in Overweight and Obesity**
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- GC4.202** **Weight and body composition changes in patients living with severe obesity treated with GLP-1 agonists liraglutide**
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- GC4.203** **Korean Medicine Registry of Herbal Medicine for Weight Loss:prospective observational multi-center study**
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- GC4.204** **A randomized, double-blind sham-controlled trial to evaluate the efficacy of electrical vestibular nerve stimulation, as a means of reducing excess body weight and body fat**
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- GC4.205** **""Severe obesity and type 2 diabetes: a promising multi-target therapy""**
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- GC4.206** **Effect of tirzepatide on weight and metabolic parameter in adults with and without type 2 diabetes mellitus**
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- GC4.207** **Skin Temperature Changes in Patient with Obesity Undergoing multiple Whole-Body Cryostimulation sessions**
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- GC4.208** **Exploring the therapeutic use of Whole-Body Cryostimulation as an add-on treatment in Multidisciplinary Rehabilitation for Severe Obesity**
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- GC4.220** **Abdominal Fat Characteristics and Mortality in Rectal Cancer**
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- GC4.229** Short term effects of semaglutide among patients with obesity and food addiction
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- GC4.256 **The emerging role of skeletal muscle as a modulator of HDL-cholesterol in Metabolic Healthy young adults**
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- GC4.258** **Renin-aldosterone ratio and 24-hour blood pressure control in visceral overweight-obese essential hypertensives treated with a combination of RAASi, thiazide diuretic and calcium-channel blocker**
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- GC4.259** **Effect of a Year-Long Lifestyle Intervention Program on Metabolic Health in Individuals with Obesity in India**
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- 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**
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- GC4.278** **Effectiveness of Anti-Obesity Medications from a multidisciplinary weight management program-A real-world experience**
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- GC4.280** **Correlation between morphofunctional assessment techniques in a cardiac rehabilitation program. (RECARDIET Project)**
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- GC4.286** **Does probiotics supplementation improve cardio-metabolic outcomes in women after menopause with MALDF?**
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- GC4.289** **Impaired mitochondrial bioenergetics in peripheral blood mononuclear cells as a novel NAFLD biomarker: impact of a Mediterranean-oriented dietary intervention**
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- Which weight management strategies are more effective for patients with obesity-associated steatotic liver disease? A retrospective analysis**
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- GC4.307** **Gender-related differences in weight loss induced by a Very Low Calorie Ketogenic Diet protocol**
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- GC4.308** **Are hypocaloric, Mediterranean diets prescribed for weight loss interventions also sustainable according to the EAT-IT reference diet?**
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- GC4.309** **Impact of ketogenic diet treatment on taste thresholds and anthropometric parameters of people with severe obesity: a pilot study**
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- GC4.310** **Sunflower seed extract supplementation reduces body fat in adults with obesity: A double-blind, randomized, placebo-controlled trial**
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- 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**
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- GC4.313** **Effects of chrononutrition on menopausal-related symptoms**
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- GC4.314** **Very Low-Calorie Ketogenic Diet (VLCKD) in Obesity: The Role of the Sex Differences. Results of a Pilot Study**
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- 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-Pawlowska, 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-Pawlowska, 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, Otilia 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 Omara 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 Ciudn

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- GC4.338 Association of obesity with respiratory, cardiac and mortality outcomes in patients with COVID-19 infection in a third level institution**
Susan Juliet 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** **In silico gut microbiome metabolic modeling identifies metabolites associated with metabolic health status that are modifiable by dietary interventions**
Timothy Swartz, Gianluca Galazzo, Eugeni Belda, Rafael Patiño-Navarrete, Karine Clément
- LBC1.08** **The circulating apoptosis inhibitor of macrophage (AIM/CD5L) levels at different stages of obesity and their relationship to metabolic and inflammatory parameters**
Sanja Klobucar, Miljenka Igrec, Branislav Suša, Dijana Detel
- LBC1.08** **The circulating apoptosis inhibitor of macrophage (AIM/CD5L) levels at different stages of obesity and their relationship to metabolic and inflammatory parameters**
Sanja Klobucar, Miljenka Igrec, Branislav Suša, Dijana Detel
- LBC1.09** **Low Intensity Pulsed Ultrasound (LIPUS) block adipose stem cells differentiation**
Beatriz G. Gálvez, Támara Fernández Marcelo, Laura M. Pérez, Beatriz De Lucas, Alba Calero, María Garrido, Raul Alejandro León, Paulina Sury, Elisa Fernández Millán
- LBC1.10** **Effects of Copper Overload on Perivascular Adipose Tissue and Mesenteric Artery Function in Rats: Implications for Inflammatory State and Vascular Risk**
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
- LBC1.11** **Diet rich in refined carbohydrates alter vascular reactivity to phenylephrine in thoracic aorta, mesenteric arteries and perivascular adipose tissue**
Karolini Zuqui Nunes, Andressa Bolsoni Lopes, Karoline Neumann Gomes, Ingridy Reinholz Grafites Schreider, Nina De Souza Mawandji, Jones Bernardes Graceli, Dalton Valentim Vassallo
- LBC1.12** **Aging and secretory function of white adipose tissue: protective role of açai**
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
- LBC1.13** **Impact of a trans-fatty acid-rich diet in the renal disease in mice: Effect of TGFβ3 deletion**
Borja Lanzon, Elia Escasany, Adriana Izquierdo Lahuerta, Patricia Corrales, Carolina González Riaño, Francisco Javier Ruperez, Gema Medina-Gomez
- LBC1.14** **Dynamic hypothalamic chemokine response in female mice modulates high-fat-diet-induced inflammation**
Alexia Guimarães Batista Augusto, Igor Cavalheiro, Ester Dos Santos Alves, Jonathan Ferreira Campos, Nicolly Porto Marin, Licio Velloso, Natalia Ferreira Mendes
- LBC1.15** **Patients with colon cancer present a marked decrease in plasma fatty acids: an opportunity to explore a novel dietetic therapeutic strategy?**
Alice Chaplin, Maria Barceló Nicolau, Ramón M Rodríguez, Marc Gassió, Daniel Ramis Cabrer, Elena Usamentiaga, Marco Martínez, Myriam Fernández, Dora Romaguera, Gwendolyn Barceló Coblijn
- LBC1.16** **Phosphorus supplementation elicited changes in the core body temperature of healthy individuals**
Hazmig Aywazian, Rania El Khoury, Razan Zein Eddine, Simon Welham, Amanda Avery, Omar Obaid
- LBC1.17** **Leptin DNA methylation and gene expression in participants with SLE and obesity: in vitro study**
Leticia L Souza, Lucas M De Carvalho, Amanda A Ribeiro, Jhulia C N L Da Mota, Carolina F Nicoletti
- LBC1.18** **Leptin gene expression and plasma concentration in patients with SLE: the role of obesity**
Lucas M De Carvalho, Leticia L Souza, Jhulia C N L Da Mota, Amanda A Ribeiro, Carolina F Nicoletti
- LBC1.19** **Comparisons of associations of conventional vs imaging-based measures of adiposity with cardiometabolic syndrome and cancer: A prospective analysis in the UK Biobank**
Sofia Mouchti, Zhengming Chen, Gillian Reeves
- LBC1.20** **Donor-derived vascularized organoids modelling inflammation, fibrosis and being therapeutic effects of human adipose tissue**
Vincent Dani, Solène Bruni Favier, Clémence Fournier, Floricia Crusset, Antonio Iannelli, Bérengère Chignon Sicard, Alain Doglio, Christian Dani

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, Elias 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 Martinez, 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

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- 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 Eneyda 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 Åberg 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**
Hongsuh 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

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- 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, Achileas 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 Bilat, 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**
Sulmaaz 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 Nicastri, 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
- LBC4.62** **Observational Study Using Time-series Data to Evaluate a Diet Program Incorporating Auricular Acupoint Stimulation and Nutritional Supplements Targeting Both Genders**
Takahiro Fujimoto, Takeshi Hataoka, Takanori Kobayashi, Kazuo Taniguchi, Miyuki Oikawa, Hidetake Kobayashi