

ECOICO

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EUROPEAN AND INTERNATIONAL CONGRESS ON OBESITY

01-04 SEPTEMBER 2020

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PROGRAMME BOOK

#ECOICO2020

Challenges and opportunities for managing obesity in adolescents

Wednesday 2 September 2020, 14:45–16:15 CEST

Virtual symposium

Symposium agenda

14:45–14:55 Welcome and introduction

Chair: Daniel Weghuber (Austria)

14:55–15:15 The burden of adolescent obesity

Antje Körner (Germany)

15:15–15:35 Managing obesity in adolescents – a clinical perspective

Louise Baur (Australia)

15:35–15:55 Is there a role for pharmacotherapy in adolescent obesity care

Aaron Kelly (USA)

15:55–16:10 Interactive Q&A: How to tackle the unmet needs in adolescent obesity

Chair and faculty

16:10–16:15 Summary and meeting close

Daniel Weghuber

The information presented at this symposium is intended for healthcare professionals only.



Perspectives for obesity prevention and control in México and Latin American countries in the midst of COVID-19.



Coordinator: Dr. Simón Barquera

Director, Nutrition and Health Research Center,
National Institute of Public Health, México.



DR. EDGAR DENOVA. Mexican National Institute of Public Health.

- The association between obesity, type 2 diabetes, hypertension and severe COVID-19 among Mexicans.



DR. OTILIA PERICHART. National Institute of Perinatology, México.

- Early nutrition interventions for the prevention of obesity and metabolic diseases.



PROF. DONNA RYAN. Pennington Biomedical Research Center.

- Primary healthcare response to obesity in Latin America: Recommendations from international experiences.



DR. HÉCTOR ESQUIVIAS. National Institute of Psychiatry, México.

- Stigma and obesity: A perspective on how to position this challenge in the Latin American public health agenda.

Tuesday September 1st, 2020

Central European Time (CET): 16 - 17:15 pm Room 2

Central México Time (CMT): 10 - 11:15 am Room 2

Language: English

TUESDAY 1 SEPTEMBER 2020

08:45-09:00	Congress Opening		ROOM 1
		ASOI - Grace O'Malley (Ireland)	
		EASO - Nathalie Farpour Lambert (Switzerland)	
		WOF - John Wilding (UK)	
		RCSI - Cathal Kelly (Ireland)	
		Minister for Health Ireland - Stephen Donnelly (Ireland)	
09:00-09:30	Opening Plenary: The Current Status in Global Obesity		ROOM 1
	Chairs: Grace O'Malley (Ireland), Nathalie Farpour-Lambert (Switzerland), John Wilding (UK)		
	PD1-01	Global trends in height and BMI of school-aged children and adolescents	A.Rodriguez Martinez (UK)
09:30-10:00	Plenary Discussion: Global Challenges for Obesity post emergence of Covid-19		ROOM 1
	Chairs: Johanna Ralston (US), Dror Dicker (Israel)		
09:30-09:45		COVID-19 and Obesity: Implications for Clinical Practice and Policy	F Pattou (France)
09:45-10:00		Global Diabetes and Obesity in the time of COVID-19	J C Mbanya (Cameroon)
10:00-10:30	Plenary Discussion: Motivated Behaviour and Feeding		ROOM 1
	Chairs: Gijs Goossens (Netherlands), Brian Oldfield (Australia)		
		Motivated Behaviour and Feeding	S Sternson (US)
10:45-12:15	Abstract Discussion Session: Adipose Tissue Biology		ROOM 1
	Chairs: Johan Jocken (Netherlands), Amaia Rodriguez (Spain)		
10:45-11:00	AD01-01	The presence of active brown adipose tissue determines cold-induced thermogenesis and oxylipin profiles in humans	F W Keifer (Austria)
11:00-11:15	AD01-02	Mammary gland adipo-epithelial remodeling during the lactation cycle	G Colleluori (Italy)
11:15-11:30	AD01-03	p27Kip1 deficiency alters brown and white adipose tissues favouring obesity in mice	I Colón Mesa (Spain)
11:30-11:45	AD01-04	NAD+/SIRT expression in adipose tissue and adipocytes in obesity and ageing – a study in BMI-discordant monozygotic twin pairs	H Lapatto (Finland)
11:45-12:15	Discussion		

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10:45-12:15	Abstract Discussion Session: Integrative Physiology		ROOM 2
	Chairs: Alexander Kokkinos (Greece), Kirsi Pietiläinen (Finland)		
10:45-10:55	AD02-01	Synergistic effect of feeding time and diet composition on hepatic steatosis and gene expression in male Wistar rats	J E Oosterman (Netherlands)
10:55-11:05	AD02-02	Obesity triggers NLRP3-dependent adipose tissue low-grade inflammation and extracellular matrix remodelling	X Unamuno (Spain)
11:05-11:15	AD02-03	Pregnancy after vertical sleeve gastrectomy in a rodent model: immune impact to dam and offspring during gestation and beyond	B E Grayson (US)
11:15-11:25	AD02-04	Post-weight loss changes in fasting appetite-related hormone concentrations and the effect of macronutrient content of weight maintenance diet	M Näätänen (Finland)
11:25-11:35	AD02-05	Impact of impaired glucose regulation on hepatic lipid composition in men with non-alcoholic fatty liver disease	S A Willis (UK)
11:35-11:45	AD02-06	Effects of maternal obesity and direct exposure to high-fat diet on bowel functions in offsprings	R Colucci (Italy)
11:45-11:55	AD02-07	Association between rs174537 {FADS1} genotype and immune cell profiles in human abdominal and femoral subcutaneous adipose tissue	C Wang (Canada)
11:55-12:15	Discussion		
10:45-12:15	Abstract Discussion Session: Integrative Physiology		ROOM 3
	Chairs: Peter Aldiss (UK), Cathy Wyse (Ireland), Joseph Proietto (Australia)		
10:45-10:55	AD02-08	Supplementation of a high-fat diet with acesulfame-k results in sex-specific effects on insulin concentrations and adipose tissue morphology in C57BL6 mice	C M Reynolds (Ireland)
10:55-11:05	AD02-09	Effects of weight loss on center of pressure during walking in children with obesity: A follow-up study	L Zhang (China)
11:05-11:15	AD02-10	Particulate matter exposure and inflammatory gene methylation in subjects with obesity	L Vigna (Italy)
11:15-11:25	AD02-11	Dynamics of fat oxidation from sitting to light exercise in sedentary humans	J Calonne (Switzerland)
11:25-11:35	AD02-12	Lack of {iNOS} gene in leptin-deficient {ob/ob} mice alters the immune responses to acute {Salmonella typhimurium} infection	S Becerril (Spain)
11:35-11:45	AD02-13	Aerobic-strength training modulates cytokine profile in cerebrospinal fluid of elderly individuals in parallel with improvements of body composition, physical fitness and cognitive functions	M Tomková (Slovakia)
11:45-11:55	AD02-14	Pathogenic MAIT cells in obesity - underpinned by defective immunometabolism	A E Hogan (Ireland)
11:55-12:05	AD02-15	Resveratrol enhanced cold-induced thermogenesis through a differential browning effect on the adipose organ in a mouse model showing atrophied interscapular adipose tissue: A therapeutic approach	P Marqués (Spain)
12:05-12:15	Discussion		

TUESDAY 1 SEPTEMBER 2020

10:45-12:15	Abstract Discussion Session: Brain and Gut		ROOM 4
	Chairs: Carel Le Roux (Ireland), Alex Miras (UK), Mahenderan Appukutty (Malaysia)		
10:45-11:00	AD03-01	Oral butyrate induces satiety and improves insulin resistance via gut microbiota	Z Li (Netherlands)
11:00-11:15	AD03-02	GLP-1 receptor distribution in human, (in vivo) visualization	L Deden (Netherlands)
11:15-11:30	AD03-03	PREDIBAR-Cognition sub-Study - Retinal microperimetry: A useful tool to explore cognitive function before and after bariatric surgery in morbidly obese patients	E Fidilio (Spain)
11:30-11:45	AD03-04	Adipose tissue and brain metabolic responses to western diet - Is there a crosstalk between the two?	A Mazzoli (Italy)
11:45-12:00	AD03-05	Hypothalamic ataxin-2 prevents obesity through the regulation of the circadian clock	S Carmo Silva (Portugal)
12:00-12:15	Discussion		
13:30-14:30	Topic Session: Inter-organ Communication/Integrative Physiology		ROOM 1
	Chairs: Ellen Blaak (Netherlands), Matthias Blüher (Germany)		
13:30-13:50	TS01-01	Gut microbiota and host physiology	E Blaak (Netherlands)
13:50-14:10	TS01-02	Liver – adipose tissue interactions	S Klein (US)
14:10-14:20	TS01-03	Extracellular vesicle -mediated crosstalk between adipose tissue and liver in the development of non-alcoholic fatty liver disease	J M Matilainen (Finland)
14:20-14:30	TS01-04	Molecular pathways behind acquired obesity: multiomics of adipose tissue and skeletal muscle in monozygotic twin pairs discordant for BMI	B van der Kolk (Finland)
13:30-14:30	Topic Session: Adipose Tissue Biology		ROOM 3
	Chairs: Maria Angela Guzzardi (Italy), Gunnar Mellgren (Norway)		
13:30-13:50	TS02-01	Impact of adipocyte progenitors on adipose tissue remodeling	R Gupta (US)
13:50-14:10	TS02-02	Body fat distribution and cardiometabolic risk	M Ryden (Sweden)
14:10-14:20	TS02-03	Novel role for Sult1a1 as a regulator of adipocyte activity and the browning of white adipose tissue	M Springer (Switzerland)
14:20-14:30	TS02-04	Subcutaneous adipose tissue mitochondria gene expression is downregulated after diet-induced but upregulated after bariatric surgery-induced weight loss	M Muniandy (Finland)
12:15-13:45	Abstract Discussion Session: Basic Science		ROOM 4
	Chairs: Emanuel Canfora (Netherlands), Jørn Sagen (Norway)		
12:15-12:25	AD04-01	Modulation of muscle protein synthesis and lipid infiltration in rats by protein intake and high-fat diet	E Poggiogalle (Italy)
12:25-12:35	AD04-02	{In vivo} analysis of gut microbial hydrogen production and quantification of exogenous vs. total substrate oxidation by an extended indirect calorimetry system: Nutritional applications in animal models	E Van Schothorst (Netherlands)
12:35-12:45	AD04-03	A branched-chain amino acid-based metabolic score can predict liver fat in children and adolescents with severe obesity	J Lischka (Austria)
12:45-12:55	AD04-04	Should the threshold for assessing fatty liver be lowered in Asian women?	N Michael (Singapore)
12:55-13:05	AD04-05	Lipid metabolism in epicardial adipose tissue of patients with advanced heart failure: focus on cardiac cachexia	L Leňková (Czech Republic)
13:05-13:15	AD04-06	Metagenomic biomarker in precision treatment for obesity: microbiota composition change between before and after a nutrition intervention	A Cuevas Sierra (Spain)
13:15-13:25	AD04-07	Cold but not β 3-adrenoreceptor agonism drives adiposity in 'physiologically humanised' animals	P Aldiss (UK)
13:25-13:35	AD04-08	Identification of differentially methylated regions (DMRs) between responders and non-responders to a weight loss dietary intervention: A new tool for precision management of obesity	F Salas Pérez (Spain)
13:35-13:45	Discussion		

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14:45-15:45	Topic Session: Energy Expenditure and Metabolic Adaptation		ROOM 1
	Chairs: Yves Schutz (Switzerland), James Stubbs (UK)		
14:45-15:05	TS03-01	Exercise and adipose tissue function	B Stallknecht (Denmark)
15:05-15:25	TS03-02	Metabolic adaptation in energy expenditure	K Hall (US)
15:25-15:35	TS03-03	Metabolic adaptation is not a major barrier to weight loss maintenance/ Metabolic adaptation is an illusion	C Martins (Norway)
15:35-15:45	TS03-04	The metabolic response and molecular adaptations to mild hypoxia exposure in overweight and obese humans	R I J Van Meijel (Netherlands)
14:45-15:45	Accepted Symposium: Nutrition and Fetal Programming		ROOM 2
	Chairs: F McAuliffe (Ireland), C Phillips (Ireland)		
14:45-14:55		Prenatal nutrition, DNA methylation and health outcomes	M Suderman (UK)
14:45-15:05	AS2-01	Does reducing maternal dietary inflammation improve the long-term health outcomes of her offspring?	C Reynolds (New Zealand)
15:05-15:15	AS2-02	Lactational programming: impact of breastmilk composition on child health	S Sen (USA)
15:15-15:20	Brief discussion		
15:20-15:25	AS2-03	The association between triglyceride levels throughout pregnancy and fetal growth	C Yelverton (Ireland)
15:25-15:30	AS2-04	Health promotion advice in pregnancy: Provisional findings of Midwives' and Obstetricians' knowledge and confidence of nutrition, gestational weight gain, and physical activity advice for pregnancy	S Callaghan (Ireland)
15:30-15:35	AS2-05	The FIGO Nutrition Checklist in routine antenatal practice: a pilot study with pregnant women	SL Killeen (Ireland)
15:35-15:45	Closing discussion		
14:45-15:45	Accepted Symposium: The Microbiota-Gut-Brain Axis in Obesity		ROOM 3
	Chairs: Harriet Schellekens (Ireland), John Cryan (Ireland)		
14:45-15:00		A gut feeling about body fat	K Nilaweera (Ireland)
15:00-15:15		Adiposity-driven inflammatory mechanisms in obesity: role in neuropsychiatric comorbidities	L Capuron (France)
15:15-15:30		Mining the gut microbiota and its metabolites to modify metabolism, appetite and mood.	H Schellekens (Ireland)
15:30-15:45	Discussion		
14:45-15:45	Topic Session: Inflammation and Obesity		ROOM 4
	Chairs: Roberto Vettor (Italy), Jan Kopecky (Czech Republic)		
14:45-15:05	TS04-01	Nutrigenomics and obesity: An Overview	H Roche (Ireland)
15:05-15:25	TS04-02	Inflammation and cancer	L Lynch (US)
15:25-15:35	TS04-03	Improvements in self-reported mood in adolescents participating in a specialist MDT weight loss programme: A pilot study	L Gait (UK)
15:35-15:45	Discussion		
16:00-16:15	EASO New Investigator Award in Basic Science		ROOM 1
	Chair: Gijs Goossens (Netherlands)		
16:00-16:10		The DIVA study: 1-year follow-up outcomes	K Beaulieu (UK)
16:10-16:15	Discussion		L Gait (UK)

TUESDAY 1 SEPTEMBER 2020

16:00-17:15	Industry Session: IFA Satellite Symposium : Perspectives for obesity prevention and control in Mexico & Latin American countries in the midst of COVID-19	ROOM 2
	Chair: Simón Barquera (Mexico)	
16:00-16:05	Introduction	S Barquera (Mexico)
16:05- 16:20	The association between obesity, type 2 diabetes, hypertension and severe COVID-19 among Mexicans	E Denova (Mexico)
16:20-16:35	Early nutrition interventions for the prevention of obesity and metabolic diseases	O Perichart (Mexico)
16:35-16:50	Primary health care response to obesity in México and Latin America: Recommendations from international experiences	D Ryan (US)
16:50- 17:00	Stigma and obesity: A perspective on how to position this challenge in the public health agenda	H Esquivias (Mexico)
17:00- 17:15	Q&A	
16:15-17:45	Workshop: Addressing Obesity Stigma & Weight Bias - A Socio-Ecological Approach	ROOM 1
16:15-16:20	Welcome and Introduction	X Ramos Salas (Sweden)
16:20-16:30	Person-first-language policies: A patient call to action	V Mooney (Spain)
16:30-16:40	Weight-bias and obesity stigma: An international call to action	F Rubino (UK)
16:40-16:45	Interactive Discussion	X Ramos Salas (Sweden)
16:45-16:55	Understanding the biological and social drivers of obesity as a way to reduce weight bias and obesity stigma	E Hemmingsson (Sweden)
16:55-17:05	Patient Engagement: Recognizing and addressing internalized weight bias	D Matscheck (Sweden), C Fleetwood (Sweden)
17:05-17:10	Interactive Discussion	X Ramos Salas (Sweden)
17:10-17:20	Weight bias reduction in healthcare: an institutional policy perspective	M Forhan (Canada)
17:20-17:30	Guidelines for reducing weight bias in the media	S Flint (UK)
17:30-17:40	Interactive Discussion	X Ramos Salas (Sweden)
17:40-17:45	Closing Remarks	Ken Clare (UK)

WEDNESDAY 2 SEPTEMBER 2020

09:00-09:45	Plenary Discussion: Childhood obesity and risk of adult comorbidities		ROOM 1
	Chairs: Nathalie Farpour-Lambert (Switzerland), Grace O'Malley (Ireland)		
09:00-09:20	PD3-01	Overview of Global Obesity Statistics in Childhood Obesity	C Murrin (Ireland)
09:20-09:40	PD3-02	Childhood body size and growth and adult health	J L Baker (Denmark)
09:40-09:45	Discussion		
09:45-10:45	Topic Session: Nutrition During Infancy and Childhood		ROOM 1
	Chairs: Maria Hassapidou (Greece), Mary Flynn (Ireland)		
09:45-10:05	TS05-01	Sensitive periods in flavour and nutritional programming	J Mennella (US)
10:05-10:25	TS05-02	Food preferences in childhood	A Fildes (UK)
10:25-10:35	TS05-03	Promoting healthy infant feeding to prevent childhood obesity: process evaluation of the Choosing Healthy Eating for Infant Health (CHERISH) intervention	C Flannery (Ireland)
10:35-10:45	TS05-04	Inhibition, maladaptive eating and weight in children and adolescents with obesity	T Naets (Belgium)
09:45-10:45	Accepted Symposium: Co-Create EU Project		ROOM 2
	Chair: Harry Rutter (UK)		
09:45-09:50		Welcome & setting the scene	H Rutter (UK), T Lobstein (UK)
09:50-10:00		STOP: Strengthening evidence and engaging different actors	F Sassi (UK)
10:00-10:10		PEN: Monitoring and accountability of public policies across Europe	W Ahrens (Germany)
10:10-10:20		CO-CREATE: Co-creating policies with youth in Europe	K I Klepp (Norway)
10:20-10:40	Discussion		F Sassi (UK), W Ahrens (Germany), K I Klepp (Norway), M Bjørge Katanasho (Norway)
10:40-10:45	Wrap-up and conclusion		
09:45-10:45	Topic Session: Heterogeneity in the origins of obesity in children & adolescents		ROOM 3
	Chairs: Louise Baur (Australia), Fionnuala McAuliffe (Ireland)		
09:45-10:05	TS06-01	Maternal obesity and weight gain during pregnancy: associations with childhood obesity and cardiometabolic health	R Gaillard (Netherlands)
10:05-10:25	TS06-02	Understanding heterogeneity in childhood to young-adulthood body mass index trajectories	W Johnson (UK)
10:25-10:35	TS06-03	The influence of maternal glucose concentrations in early-pregnancy on cardio-metabolic risk factors in childhood	R J Wahab (Netherlands)
10:35-10:45	TS06-04	Antibiotics given during labor and birth increases Body Mass Index (z) scores in children at one year of age: Results from the All Our Families (AOF) pregnancy cohort	D E Lowry (Canada)

WEDNESDAY 2 SEPTEMBER 2020

09:25-11:15	Abstract Discussion Session: Obesity in Children and Adolescents		ROOM 4
	Chairs: Paulina Matelska (Poland), Ana Rito (Portugal)		
09:25-09:35	AD05-01	Training pediatric residents to improve obesity management	M Yafi (US)
09:35-09:45	AD05-02	i-PATHWAY: Development and validation of a clinical prediction model for childhood obesity in Australia	O J Canfell (Australia)
09:45-09:55	AD05-03	"Emotions and communication in parenting" - Parenting skills after a randomized controlled trial for obesity treatment in pre-schoolers	M Somaraki (Sweden)
09:55-10:05	AD05-04	A systematic review of the utility, including validity, reliability, and feasibility, of measurement tools used to assess the physical activity and sedentary behaviours of preschool children	S M Phillips (UK)
10:05-10:15	AD05-05	Overfat and obesity in Irish children: The association between body mass index and percentage body fat	A Odonnell (Ireland)
10:15-10:25	AD05-06	Increasing sleep duration improves depression symptoms and mood in adolescents with obesity: A Sleep Manipulation in Adolescents at Risk of Type 2 Diabetes (SMART2D) Study	R B Featherstone (Canada)
10:25-10:35	AD05-07	A sleep modification programme in early infancy is a cost-effective and affordable approach to obesity prevention in young children	A Hayes (Australia)
10:35-10:45	AD05-08	Birth weight and childhood body mass index and risks of benign breast disease	L G Bjerregaard (Denmark)
10:45-10:55	AD05-09	'Give me a healthy tip'. Development and feasibility of a family-based intervention using intelligent personal assistants: A randomised controlled trial	A Carlin (UK)
10:55-11:05	AD05-11	Which is the best measure of cumulative exposure to body mass index for the detection of metabolic alterations in young adulthood?	J Araújo (Portugal)
11:05-11:15	AD05-12	Factors associated with childhood overweight and obesity in western Austria: A 12-year investigation in 39,641 kindergarten children	C Mähr (Austria)
11:00-12:30	Abstract Discussion Session: Management and Treatment		ROOM 1
	Chairs: Cilius Esmann Fonvig (Denmark), Clodagh O'Gorman (Ireland), Marie-Laure Frelut (France)		
11:00-11:15	AD06-05	Exploring the clinical effectiveness of a mobile-Health intervention for adolescent weight-management	G O'Malley (Ireland)
11:15-11:30	AD06-02	Increasing sleep duration improves insulin sensitivity in adolescents with obesity: A Sleep Manipulation in Adolescents at Risk of Type 2 Diabetes (SMART2D) study	C Dutil (Canada)
11:30-11:45	AD06-03	An evaluation of the acceptability of a 3D body image scale to initiate conversations about weight in childhood: A mixed-methods study	A Smith (UK)
11:45-12:00	AD06-04	Obesity prevention in the first years of life: Stories beyond publications from Healthy Beginnings research and translation	L M Wen (Australia)
12:00-12:15	AD06-01	Liraglutide for weight management in pubertal adolescents with obesity: a randomised controlled trial	A S Kelly (US)
12:15-12:30	Discussion		

WEDNESDAY 2 SEPTEMBER 2020

11:00-12:30	Abstract Discussion Session: Early life risk factors for obesity and later health outcomes		ROOM 2
	Chairs: Jennifer L Baker (Denmark), George Msengi (Tanzania)		
11:00-11:15	AD07-01	Association of trimester-specific gestational weight gain with offspring body composition and insulin resistance at age 6 years: The GUSTO study	S A Sadananthan (Singapore)
11:15-11:30	AD07-02	Cord blood metabolomic signatures of childhood overweight	E Handakas (UK)
11:30-11:45	AD07-03	Psychological health difficulties and socio-economic status in treatment-seeking children and adolescents with obesity	M Dow (Ireland)
11:45-12:00	AD07-04	Prospective association between a Mediterranean-style diet and cardiometabolic risk in adolescents and young adults: Findings from the ALSPAC birth cohort	G Buckland (UK)
12:00-12:15	AD07-05	The duration of overweight and risk of chronic diseases: The Kaunas Cardiovascular Risk Cohort Study	V Kriaucioniene (Lithuania)
12:15-12:30	AD07-06	Trajectories of body mass index in boys and risks of obesity-related cancers in adult life	B Wang Jensen (Denmark)
11:00-12:30	Abstract Discussion Session: Translating policy to address obesity in children: Insights from practice		ROOM 3
	Chairs: Kevin Balanda (Ireland), Louisa Ells (UK)		
11:00-11:15	AD08-01	Parents' perspectives on preventing childhood obesity. A qualitative study from preschool child health centers	G K Øen (Norway)
11:15-11:30	AD08-02	Out of sight, out of mind: Do adolescents in the UK recall seeing nutritional information and health messaging on food and drink packaging, and what information do they want to see?	J Newberry Le Vay (UK)
11:30-11:45	AD08-03	Lipid disorders in children with overweight and obesity: Results of the study of 1948 children from Poland	M Brzeziński (Poland)
11:45-12:00	AD08-04	Patterns of tertiary healthcare utilisation among children with obesity and associated costs: A retrospective cohort study	L Tully (Ireland)
12:00-12:15	AD08-05	The effect of a physical activity consultation in the management of adolescents overweight (PAC-MAN). Six-month results from a non-Randomized Controlled Trial	A Videira Silva (Portugal)
12:15-12:30	Discussion		
11:15-12:30	Topic Session: Physical Fitness and Function in Childhood		ROOM 4
	Chairs: Grace O'Malley (Ireland), Colin Dunlevy (Ireland)		
11:15-11:35	TS07-01	Musculoskeletal health in children and adolescents	M Tsiros (Australia)
11:35-11:55	TS07-02	Cardiovascular and cardiorespiratory health in obesity	J Ryder (US)
11:55-12:15	Patient Perspectives on physical health: ECPD Recordings, ICPO and ECPD		
12:15-12:30	General discussion		

WEDNESDAY 2 SEPTEMBER 2020

12:30-13:30	Healthy Hydration Working Group: Healthy hydration in children from health benefits to intervention programs encouraging water consumption:		ROOM 1
	Chairs: H. Toplak (Austria)		
12:30-12:32		Introductory talk	H. Toplak (Austria)
12:32-12:48		Hydration in children: from fluid intake to cognitive performance	J. Zemdeg (France)
12:48-13:04		Belgian Primary School Children's Hydration Status at School and Its Personal Determinants	N. Michels (Belgium)
13:04-13:20		Understanding desire for sugar-sweetened beverages and implications for behaviour change	E. Papies (UK)
13:20-13:30		Discussion	
13:30-14:30	Accepted Symposium: Digital Food Marketing to Youth		ROOM 1
	Chair: João Breda (Russia)		
13:30-13:45	AS5-01	Digital food marketing to young people: Latest evidence of exposure, power and impact	E Boyland (UK)
13:45-14:00		Novel approaches to monitor and restrict digital marketing to children	K Wickramasinghe (Russia)
14:00-14:15		Campaigning for policy change on junk food marketing to children and young people	H O'Donnell (Ireland)
14:15-14:30	Discussion		
13:30-14:30	Topic Session: Prevention and Treatment of Obesity in Childhood		ROOM 2
	Chairs: Aaron Kelly (US), Ram Weiss (Israel)		
13:30-13:50	TS08-01	Prevention in the early years	R Laws (Australia)
13:50-14:10	TS08-02	Screening children with obesity for obesity related complications.	R Weiss (Israel)
14:10-14:30	Discussion		
13:30-14:30	Accepted Symposium: Pediatric Obesity Registries: Improving patient care for children and adolescents with obesity		ROOM 3
	Chair: Shelley Kirk (US)		
13:30-13:37	AS6-01	Overview of established paediatric obesity registries (POWER; CANPWR, BORIS and AVP)	S Kirk (US)
13:37-13:44	AS6-02	Health issues of treatment-seeking youth with obesity: Lessons from paediatric obesity registries	R Holl (Germany)
13:44-13:51	AS6-03	Parent perspective on expectations of weight management services designed for children and adolescents	B Keenan (Ireland)
13:51-13:58	AS6-04	A more holistic approach to framing health outcomes for paediatric weight management beyond weight status	K Morrison (Canada)
13:58-14:05	AS6-05	Considerations and challenges of paediatric obesity registry data collection and management: Data harmonization required for collaborative research	W Stratbucker (US)
14:05-14:12	AS6-06	Opportunities for linking national data sets to paediatric obesity registry data: Lessons from Scandinavia	C Marcus (Sweden)
14:12-14:30		Panel Discussion: An interactive discussion on issues raised by symposium speakers and attendees	L Baur (Australia), G O'Malley (Ireland)

WEDNESDAY 2 SEPTEMBER 2020

13:30-14:30	Abstract Discussion Session: Obesity in Children and Adolescents		ROOM 4
	Chairs: Petur Juliusson (Norway), Pawel Matusik (Poland)		
13:30-13:35	AD05-14	Cost-effectiveness of an obesity management program for 6-15 year old children in Poland. Data from over three thousand participants	M Brzeziński (Poland)
13:35-13:40	AD05-15	Effect of liraglutide treatment on weight parameters in children and adolescents with type 2 diabetes: Post hoc analysis of the ellipse trial	M M Oberle (US)
13:40-13:45	AD05-16	Early infant feeding of formula or solid foods and risk of childhood overweight or obesity in a low socioeconomic area - Lebanon	Y Sacre (Lebanon)
13:45-13:50	AD05-18	What can we learn from very early childhood obesity prevention interventions in Australia and New Zealand? A multi-method study	B Johnson (Australia)
13:50-13:55	AD05-19	Characteristics of metabolic syndrome in adolescents aged 16-19 years	M Mitkova Orbetzova (Bulgaria)
13:55-14:00	AD05-20	Eating not feeding: Improving primary school meals in Scotland	A Gryka Macphail (UK)
14:00-14:05	AD05-21	Obesity and diabetes in children and adolescents with Down Syndrome: data from a large diabetes centre in the United Arab Emirates	N Lessan (UAE)
14:05-14:10	AD05-22	Modelling determinants of childhood obesity in Irish adolescents	M Dow (Ireland)
14:10-14:15	AD05-23	Relationship between family completeness and overweight/obesity indicators in 7 years old children in the Czech Republic (COSI project 2019), preliminary results	P Kalousková (Czech Republic)
14:15-14:20	AD05-24	Drilling down: Exploring how socioeconomic inequalities in the weight status of Australian children develop	A Killedar (Australia)
14:20-14:30	Discussion		
14:45-16:15	Industry Session		ROOM 1
	Novo Nordisk Satellite Symposium		
16:15-16:30	EASO New Investigator Award in Childhood Obesity		ROOM 1
	Chairs: Jennifer L Baker (Denmark), Jens-Cristian Holm (Denmark)		
16:15-16:25		Changing parent's infant feeding behaviours to prevent childhood obesity: Identifying important outcome measures	K Matvienko-Sikar (Ireland)
16:25-16:30	Discussion		
16:30-17:30	Childhood Obesity Teaching Course		ROOM 1
	Chairs: Jennifer L Baker (Denmark), Jens-Cristian Holm (Denmark)		
16:30-16:45		Prevalence and trends in obesity in children	J L Baker (Denmark)
16:45-17:00		How to speak with children	G O'Malley (Ireland)
17:00-17:15		Clinical assessment and referral	J C Holm (Denmark)
17:15-17:30		Care of children in the time of crisis	N Farpour-Lambert (Switzerland)

THURSDAY 3 SEPTEMBER 2020

09:00-09:30	Plenary Discussion: Training of Health Professionals and Delivery of Care at Population Level		ROOM 1
	Chair: Grace O'Malley (Ireland)		
09:00-09:30	Training of Health Professionals and Delivery of Care at Population Level		L Baur (Australia)
09:30-10:30	Topic Session: Obesity Prevention - Settings based Approaches		ROOM 1
	Chairs: Tommy Visscher (Netherlands), Aaron Emmel (US)		
09:30-09:50	TS09-01	Community-based systems approaches	S Allender (Australia)
09:50-10:10	TS09-02	National food labeling: Policy implementation	R Endevelt (Israel)
10:10-10:20	TS09-03	The effect of integrated nutritional intervention in a communal dining room: Results from the NEKST study	O K Shufan (Israel)
10:20-10:30	TS09-04	Putting the pieces together – using the evidence to inform public health practice, an example from the START campaign	C I McGowan (Ireland)
09:30-10:30	Topic Session: Food Marketing		ROOM 2
	Chairs: Emma Boyland (UK), Colin Tukuitonga (Pacific Islands)		
09:30-09:45	TS10-01	Insights from South America	T Correa (Chile)
09:45-10:00	TS10-02	Regulating food marketing to children: key issues and debates	E Boyland (UK)
10:00-10:15	TS10-03	Healthy food retail- taking it to scale	A Peeters (Australia)
10:15-10:30	TS10-04	Objective understanding of the front-of-pack nutrition label Nutri-Score and its effect on food choices in Mediterranean European countries	M Egnell (France)
09:30-10:30	Topic Session: Nutritional Composition - are all calories equal?		ROOM 3
	Chairs: Teodora Handjieva-Darlenska (Bulgaria), Gary Wittert (Australia)		
09:30-09:50	TS11-01	Effective obesity treatment: The personalised diet approach	A Astrup (Denmark)
09:50-10:10	TS11-02	Carbohydrates versus calories: what works in obesity management	E Govers (Netherlands)
10:10-10:20	TS11-04	Different associations between dietary intake and anthropometric and metabolic changes, based upon estimated vs reported energy and protein intake, during the PREVIEW lifestyle intervention study	M Westerterp Plantenga (Netherlands)
10:20-10:30	Discussion		
09:30-10:30	Topic Session: Increasing Physical Activity Levels		ROOM 4
	Chairs: Kristine Beaulieu (UK), Alice Bellicha (France)		
09:30-09:50	TS12-01	Moving from sedentary behaviour and inactivity to light activity in clinical populations	S McDonough (Ireland)
09:50-10:10	TS12-02	Translating policy into practice: The evidence	C Woods (Ireland)
10:10-10:20	TS12-03	Do parents properly assess children's physical activity level? – A study of over 20 thousand children and parents dyads	P Metelska (Poland)
10:20-10:30	Discussion		

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10:30-11:30	Topic Session: Food Policies		ROOM 1
	Chair: Ronit Endevelt (Israel)		
10:30-10:45	TS13-01	The impact of international trade and development on socioeconomic position	S Friel (Australia)
10:45-11:00	TS13-02	Providing measurement, evaluation, accountability, and leadership support (MEALS) for NCDs prevention: Lessons from Ghana	A Laar (Ghana)
11:00-11:15	TS13-03	Implementing nutrition policy: Lessons from Brasil	C Monteiro (Brazil)
10:30-11:45	Abstract Discussion Session: Behavioural and Public Health		ROOM 2
	Chairs: Janas Harrington (Ireland), Dana Mullerova (Cz)		
10:30-10:39	AD12-11	Influence of food texture on satiation and satiety: systematic review and meta-analysis	E Stribitcaia (UK)
10:39-10:48	AD12-12	The associations of leptin and adiponectin with metabolic syndrome in an Indonesian and a Dutch population	F Sulistyowati Sigit (Netherlands)
10:48-10:57	AD12-13	Gender-specific associations of psychobehavioral parameters with insulin resistance in the PREVIEW lifestyle intervention	T C Adam (Netherlands)
10:57-11:06	AD12-14	Total dietary antioxidant capacity and longitudinal trajectories of body composition: The Rotterdam study	N van der Schaft (Netherlands)
11:06-11:15	AD12-16	Fructose-sweetened beverage consumption promotes hepatic de novo lipogenesis in healthy humans - a double-blind randomized controlled trial	B Geidl (Switzerland)
11:15-11:24	AD12-17	The influence of maternal early-pregnancy dietary glycemic index and load on fetal growth patterns and the risk of adverse birth outcomes	R J Wahab (Netherlands)
11:24-11:33	AD12-18	Fruit Heroes – Healthy School Snack: Impact of an educational intervention on promoting regular intake of fruits among pre- and primary school children	R Martins (Portugal)
11:33-11:42	AD12-19	Increases in waist circumference independent of weight in Mongolia over the last decade: the Mongolian STEPS surveys	O Chimeddamba (Mongolia)
11:42-11:45	Discussion		
10:30-11:30	Abstract Discussion Session: Mental Health		ROOM 3
	Chair: Andrew Hill (UK)		
10:30-10:40	AD10-01	Results of the first consensus meeting on Standardisation of Quality of life measures in Obesity Treatment	C De Vries (Netherlands)
10:40-10:50	AD10-02	Weight struggles at an early age are associated with greater obesity class and hopelessness: A call for timely intervention	W Coutinho (Brazil)
10:50-11:00	AD10-03	Association between reward-related feeding behavior and depression: relevance for obesity	G Ribeiro (Portugal)
11:00-11:10	AD10-04	The effect of physical activity on long-term self-reported health status and chronic diseases	I Tzintzun (France)
11:10-11:20	AD10-05	Weight related terminology: An exploratory study of emotional response and weight bias internalisation	S W Flint (UK)
11:20-11:30	AD10-06	Weight management for service users with mental illness and/or learning disabilities: A large-scale multiagency intervention in North-East England	E L Giles (UK)

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10:30-11:45	Abstract Discussion Session: Vulnerable Populations		ROOM 4
	Chairs: Susanna Lehtinen-Jacks (Finland), Trevor Hassell (Barbados)		
10:30-10:39	AD11-01	Socioeconomic position and body composition trajectories in the UK millennium cohort study	C Bridger Staats (UK)
10:39-10:48	AD11-02	Recruiting parents from disadvantaged backgrounds for infant nutrition research: barriers, facilitators and recommendations for future research	L Tully (Ireland)
10:48-10:57	AD11-03	Distributions of body mass index by socio economic position in older people	K O'Neill (Ireland)
10:57-11:06	AD11-04	Leveraging public-private partnerships to provide a person-centred high-tech high-touch approach to obesity management in Lagos, Nigeria	K Njoku (Nigeria)
11:06-11:15	AD11-05	Obesity after kidney transplantation	M De Zwaan (Germany)
11:15-11:24	AD11-06	Association of longitudinal changes in metabolic syndrome status with incident Parkinson's disease	S Kim (South Korea)
11:24-11:33	AD11-07	Current practice of GDM Prevention through dietary intervention is ineffective in highest risk ethnic groups	H Fuller (UK)
11:33-11:45	Discussion		
11:45-13:00	Accepted Symposium: Simulation Models for Health Economic Assessments of Obesity		ROOM 1
	Chairs: Samira Barbara Jabakhanji (Ireland), Kevin Balanda (Ireland)		
11:45-12:00		The German Obesity Model: modelling approach, results and implications	D Sonntag (Germany)
12:00-12:15		Modeling Obesity in Norway (The MOON Study): a decision-analytic approach	G Bjørnelv (Norway)
12:15-12:30	AS7-03	How can simulation models contribute to the development of multimodal treatment algorithms?	V Halsteinli (Norway), R Ødegård (Norway)
12:30-12:35		Reflection on simulation modelling from a clinical perspective	C Marcus (Sweden)
12:35-12:55		Podium discussion	K Balanda (Ireland)
12:55-13:00	AS7-07	Future opportunities for modelling obesity outcomes using simulation models	S B Jabakhanji (Ireland)
11:45-13:00	Abstract Discussion Session: Behavioural and Public Health		ROOM 2
	Chairs: Catherine Gibbons (UK), Marie Gombert (France)		
11:45-11:53	AD12-01	Public health campaign linking sugary drinks, unhealthy weight and cancer risk	J Martin (Australia)
11:53-12:01	AD12-02	Development of an evidence map of literature relevant to health economic and disease modeling of patients with obesity	G Phillips (US)
12:01-12:09	AD12-03	Cluster randomised controlled feasibility study of HENRY: A community-based intervention aimed at reducing obesity rates in preschool children	M Bryant (UK)
12:09-12:17	AD12-04	Building Momentum: Lessons on implementing robust restrictions of food and non-alcoholic beverage marketing to children	K Oldridge-Turner (UK)
12:17-12:25	AD12-05	Examining changes in exercise levels and influencing factors throughout pregnancy: A multi-cohort study	S Callaghan (Ireland)
12:25-12:33	AD12-08	Eating like an American: Impact of Free Trade Agreements on Unhealthy Food Imports in the Americas	I Tzintzun (France)
12:33-12:41	AD12-09	Leptin levels at birth and school-age, and appetitive behaviors at age 7: A prospective birth-cohort study	S Warkentin (Portugal)
12:41-12:49	AD12-10	Partnering with researchers, clinicians and women with lived experience of weight issues across reproductive years to co-develop the global health in preconception, pregnancy and postpartum consumer and community involvement framework	H Bergmeier (Australia)
12:49-13:00	Discussion		

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11:45-12:45	Abstract Discussion Session: Epidemiology		ROOM 3
	Chair: Lauren Lissner (Sweden)		
11:45-11:55	AD09-01	Central adiposity is associated with reduced cerebral perfusion: Evidence from the Irish Longitudinal Study on Ageing (TILDA)	E Laird (Ireland)
11:55-12:05	AD09-02	The role of birth generation and gender in the age trajectories of obesity and its risk factors in the Doetinchem study	D Ibi (Netherlands)
12:05-12:15	AD09-03	40-Year mortality among persons hospital-diagnosed with overweight or obesity	S Bjerger Gribsholt (Denmark)
12:15-12:25	AD09-04	Associations between dietary patterns with CVD and total mortality among 118 554 adults from the UK Biobank: A prospective cohort study	M Gao (UK)
12:25-12:35	AD09-05	The modifying effects of obesity on the association between air pollution and stroke: A systematic review	C B Dillon (Ireland)
12:35-12:45	AD09-06	Relationship between alcohol consumption and obesity and metabolic syndrome in Korean using the Korean national health insurance system	H Jung Shin (South Korea)
13:15-14:00	Plenary Discussion: The Global Syndemic - Social Lobbying and Policy Influence from Industry		ROOM 1
	Chairs: Joao Breda (Portugal), Tim Lobstein (UK)		
13:15-14:00		The Global Syndemic - Social Lobbying and Policy Influence from Industry	B Dietz (US), C Hawkes (UK), S Barquera (Mexico)
14:15-15:45	Special Session: Obesity and Covid-19		ROOM 1
	Chair: John Wilding (UK), Luca Busetto (Italy)		
14:15-14:30		Obesity and Covid-19: Immunological perturbations, therapeutic challenges and opportunities in Obesity	Gijs Goossens (Netherlands)
14:30-14:45		The patient perspective: Impact of COVID-19 on people living with obesity (PwO) and access to care	S Chhabra (India), A Urudinachi (Nigeria)
14:45-15:00		Access to Care: Insights from the OPEN Survey Results	V Mooney (Ireland), A Tahrani (UK)
15:00-15:15		Physiotherapy and rehabilitation in COVID-19: optimising function	P Thomas (Australia)
15:15-15:30		COVID-19 in children and its impact on childhood obesity	N Farpour-Lambert (Switzerland),
15:30-15:45	Discussion		

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16:00-16:30	WOF Award Session: The WPT James Award Lecture		ROOM 1
	Chairs: John Wilding (UK), Tim Lobstein (UK)		
16:00-16:05		Introduction of award and recipient	J Wilding (UK), P T James (UK)
16:05-16:25		Lecture presented	T Lobstein (UK)
16:25-16:30		Q&A and closing	T Lobstein (UK), J Wilding (UK)
16:30-16:45	EASO New Investigator Award in Public Health		ROOM 1
	Chairs: Susanna Lehtinen-Jacks (Finland)		
16:20-16:40		Interventions to improve the quality of the grocery shopping for the prevention of chronic diseases	C Piernas (UK)
16:40-16:45	Discussion		
16:45-17:30	Plenary Discussion: Global Perspectives in Stigma and Discrimination		ROOM 1
	Chairs: Francesco Rubino (UK), Alafia Samuels (Jamaica)		
16:45-17:30		A discussion on the global perspectives in stigma and discrimination	S Birney (Ireland), X Ramos-Salas (Sweden), N Sobers (Barbados)
17:30-19:30	HEALTH CARE PROFESSIONAL TEACHING WORKSHOPS		
17:30-18:10	Joint Multi-professional Teaching Session		ROOM 1
	Chairs: Donal O'Shea (Ireland), Grace O'Malley (Ireland)		
17:30-17:35	Welcome		
17:35-18:00	Obesity is a Chronic Disease - how do we manage it as such?		A Sharma (Canada)
18:00-18:10	Live Q&A		
18:10-19:30	Dietetics Teaching Session		ROOM 2
	Chairs: Maria Hassapidou (Greece), Cathy Breen (Ireland)		
18:10-18:15	Welcome		
18:15-18:40	Combining both short and long term dietary strategies in the management of adult obesity		D Duggan (Ireland)
18:40-19:00	The Registered Dietitian as a central care provider in obesity management		E Govers (The Netherlands)
19:00-19:15	The role of food in the management of obesity - the patients perspective		S Siguradottir (Iceland)
19:15-19:30	Live Q&A		

THURSDAY 3 SEPTEMBER 2020

18:10-19:30	Nursing Teaching Session	ROOM 3
	Chair: Karen Gaynor (Ireland)	
18:10-18:15	Welcome	
18:15-18:40	Obesity from a nursing and patient perspective	K Clare (UK)
18:40-19:00	The role of the Nurse in a Weight Management Service	J J Lovely (Canada)
19:00-19:15	Nursing interventions in relation to Bariatric Surgery	T Jenkins (UK)
19:15-19:30	Live Q&A	
18:10-19:30	Physiotherapy Teaching Session	ROOM 4
	Chair: Grace O'Malley (Ireland)	
18:10-18:15	Welcome	
18:15-18:40	Physiotherapy in Weight Management: A WHO-ICF and behavioural approach	E O'Malley (Ireland) C Dunlevy (Ireland)
18:40-19:00	Physical Fitness and function: the perspective from a PWO	L Lennon (Ireland)
19:00-19:15	Considerations in children and adolescents	G O'Malley (Ireland)
19:15-19:30	Live Q&A	

EXTENDING THE DIALOGUE: A CENTRAL ROLE FOR THE MULTIDISCIPLINARY TEAM IN OBESITY CARE

13:00 – 14:00 | Friday 4th September 2020

Available on the ECO-ICO Online 2020 congress platform

How can we improve our interactions and better support people living with obesity?

What are the benefits of a multidisciplinary approach to obesity care?

Join us for this Live interactive virtual symposium!

Donal O'Shea

Michael Vallis

Susie Birney

The *Extending the dialogue: a central role for the multidisciplinary team in obesity care*, Dublin, Ireland, 04/09/2020-04/09/2020 has been accredited by the European Accreditation Council for continuing Medical Education (EACCME®) with 1 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

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**ECO-ICO 2020
VIRTUAL SATELLITE SYMPOSIUM**

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**PATIENT-CENTRIC APPROACHES
TO THE TREATMENT OF OBESITY**

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featuring

Topic	Speaker
Nature vs. Nurture: Prevalence and Causes of Obesity	Barbara McGowan MA (OXF) MBBS FRCP Ph.D. Consultant and Reader in Diabetes and Endocrinology Guy's and St Thomas's Hospital NHS Trust (GSTT) London, England
Treatment Goals in Obesity: The Impact of Weight Loss - Managing Expectations	Univ. Prof. Dr. Hermann Toplak Medical University of Graz Univ. Internal Medicine Clinic Graz, Austria
Motivational Interviewing Patients with Obesity: How to Motivate Patients to Be Ready for the Change	Dayna Lee-Baggley, Ph.D. Registered Psychologist, Cancer Care Nova Scotia Director, Behaviour Change Research Institute Assistant Professor, Dalhousie University Halifax, NS



FRIDAY 4 SEPTEMBER 2020

09:00-09:30	Plenary Discussion: Bariatric Surgery and Pharmacotherapy: Long-Term Outcomes and Weight Regain		ROOM 1
	Chairs: Jean O-Connell (Ireland), Volkan Yumuk (Turkey)		
09:00-09:10	PD7-01	Long term outcomes and weight regain after bariatric surgery	R Cohen (Brazil)
09:10-09:20	PD7-02	Long term pharmacotherapy after Bariatric Surgery weight regain	D Dicker (Israel)
09:20-09:30		Patient perspectives	V Mooney (Ireland)
09:30-10:30	EASO OMTF Teaching Session: Weight Maintenance as a Therapeutic Target		ROOM 2
	Chairs: Luca Busetto (Italy), Dror Dicker (Israel)		
09:30-09:45		Mechanisms for weight regain	C le Roux (Ireland)
09:45-10:00		Eating behavior and weight maintenance	B Heitmann (Denmark)
10:00-10:15		The role of physical activity in weight maintenance	J M Oppert (France)
10:15-10:30		Weight maintenance as a target of pharmacological intervention	L Busetto (Italy)
09:30-10:30	Topic Session: Physical Activity - Impact for Weight Management		ROOM 3
	Chairs: Andrea Ermolao (Italy), Ada Cuevas (Chile)		
09:30-09:45	TS14-01	Physical activity and weight regulation	A Dulloo (Switzerland)
09:45-10:00	TS14-02	Activity and appetite in children and adolescents	D Thivel (France)
10:00-10:10	TS14-03	Adverse muscle composition within obesity is associated with low functional performance and increased metabolic comorbidity: Results from the large UK Biobank imaging study	J Linge (Sweden)
10:10-10:20	TS14-04	Exercise training and protein supplementation RCT after bariatric surgery: A 5-year follow-up study	A Bellicha (France)
10:20-10:30	Discussion		
09:30-10:30	Topic Session: Success and Failure in Clinical Intervention		ROOM 4
	Chairs: Abd Tahrani (UK), Hermann Toplak (Austria)		
09:30-09:45	TS15-01	Lessons from LookAhead	E Gregg (UK)
09:45-10:00	TS15-02	Success and failure in terms of psychoemotional health	R Dalle Grave (Italy)
10:00-10:15		Perspective from the European Coalition for People Living with Obesity (ECPO)	K Clare (UK)
10:15-10:30	Discussion		

FRIDAY 4 SEPTEMBER 2020

10:45-11:45		Abstract Discussion Session: Management and Intervention	ROOM 1
		Chairs: Dragan Micic (Serbia), Fabrizio Pasanisi (Italy)	
10:45-10:55	AD13-01	A combined lifestyle intervention with cognitive behavioral therapy has the potential to reduce weight as well as depressive symptoms in adults with lifestyle-related obesity	E S Van Der Valk (Netherlands)
10:55-11:05	AD13-02	Circulating levels of myokines are stronger modified after a very low-calorie ketogenic diet than bariatric surgery or low-calorie diet in patients with obesity	A B Crujeiras (Spain)
11:05-11:15	AD13-03	Energy expenditure during sleep is an independent marker of insulin-resistance: A crosssectional study of subjects with obesity/overweight	D Tuccinardi (Italy)
11:15-11:25	AD13-05	Effectiveness of liraglutide 3.0 mg for weight management on Asian: real-world clinical data in Korea	J H Park (South Korea)
11:25-11:35	AD13-06	Body Mass Index and its Correlation with Lower Limb Cellulitis in a Specialist Weight Management Service in Ireland	C Dunlevy (Ireland)
11:35-11:45	AD13-07	Abdominal subcutaneous fat thickness and HOMA-IR as simple predictors of nonalcoholic steatohepatitis	M A Elmonem Hegazy (Egypt)
10:45-11:55		Abstract Discussion Session: Management and Intervention	ROOM 2
		Chairs: Ebaa Al Ozairi (Kuwait), Keteven Asatiani (Georgia), Constantine Tsigos (Greece)	
10:45-10:55	AD13-08	Improving the estimation of visceral adipose tissue amount using novel metabolite biomarkers	S Boone (Netherlands)
10:55-11:05	AD13-09	Changes in blood pressure during the Total Diet Replacement phase of the Diabetes Remission Clinical Trial (DiRECT)	W S Leslie (UK)
11:05-11:15	AD13-10	Decision-making processes when caring for older adults with extreme obesity in nursing homes	H Rook (New Zealand)
11:15-11:25	AD13-11	A common SNP in RXR alpha is associated with lower prevalence of fractures in the Swedish Obese Subjects (SOS) study	M Taube (Sweden)
11:25-11:35	AD13-12	Feasibility and Reproducibility of the Muscle Sound® Technique in a Morbidly Obesity Population: MUST-MOP Study, a Preliminary Analysis	D Sizoo (Netherlands)
11:35-11:45	AD13-13	Predictors of weight loss after bariatric surgery – a cross-disciplinary approach combining physiological, behavioral, social and psychological measures	M S Nielsen (Denmark)
11:45-11:55	AD13-14	Applying diabetes and obesity research in a real-world setting: designing and implementing a complex multidisciplinary obesity intervention	A Duncan (UK)
10:45-11:55		Abstract Discussion Session: Management and Intervention	ROOM 3
		Chairs: Dominique Durrer (Switzerland), Simon Williams (UK)	
10:45-10:55	AD13-15	Three-year outcomes of the Doctor Referral of Overweight People to Low-Energy Total Diet Replacement Treatment (DROPLET) randomised controlled trial	N M Astbury (UK)
10:55-11:05	AD13-16	Body weight and nutritional modifications after total or hemithyroidectomy	J Malandra (Italy)
11:05-11:15	AD13-17	Evaluation of ectopic hepatic and visceral fat in patients with gastroenteropancreatic neuroendocrine tumors	L Barrea (Italy)
11:15-11:25	AD13-18	Adult Subjects with Prader-Willi Syndrome Show a Lower Phase Angle Than Matched Obese Subjects	L Barrea (Italy)
11:25-11:35	AD13-19	Impact of a Healthy lifestyle modification intervention in Adults with an Intellectual Disability (ID) and obesity	P Boylan (Ireland)
11:35-11:45	AD13-20	Therapeutic educational robot enhancing social interactions in the management of obesity (teresa)	M F Calabria (Italy)
11:45-11:55	AD13-21	Prediction of liraglutide effectiveness in patients with obesity	O Logvinova (Russia)

FRIDAY 4 SEPTEMBER 2020

10:45-11:35	Abstract Discussion Session: Bariatric Surgery		ROOM 4
	Chairs: Jøran Hjeltnes (Norway), Eleonora Poggiogalle (Italy)		
10:45-10:55	AD14-01	Post-bariatric surgery reactive hypoglycemia: mechanism and new therapeutic options	M Sánchez Pérez (Spain)
10:55-11:05	AD14-02	Primary weight loss failure after gastric bypass is characterized by absent gut-hormone mediated regulation of food intake	K N Bojsen-Møller (Denmark)
11:05-11:15	AD14-03	Persistence of metabolic adaptation 1-year and 5-year after laparoscopic sleeve gastrectomy	S Bettini (Italy)
11:15-11:25	AD14-04	Association of glucose variability and hypoglycemia with weight regain after gastric bypass	M Rodríguez Flores (Mexico)
11:25-11:35	AD14-05	Basic demographic characteristics for the bariatric surgery patients in Alexandrovska University Hospital, Sofia, Bulgaria – initial report	T Handjieva-Darlenska (Bulgaria)
12:00-13:00	Topic Session: Drugs and Surgeries for Obesity Management - Mechanisms of Action		ROOM 1
	Chairs: Carl Roberts (UK), Tess Van Der Merwe (South Africa)		
12:00-12:20	TS16-01	Drug development for obesity management	L Bjerre Knudsen (Denmark)
12:20-12:40	TS16-02	Mechanisms underpinning efficacy in adjustable gastric band and vertical sleeve gastrectomy	B Oldfield (Australia)
12:40-12:50	TS16-03	Assessment of the safety and tolerability of Gelesis100 in subjects who reached a body mass index below 27 kg/m ² in the pivotal GLOW study	L Aronne (US)
12:50-13:00	TS16-04	Can we use calorie intake and food choice measurements to determine individual variation in weight loss success to liraglutide 3.0mg? A direct method of eating behaviour assessment	C W Le Roux (Ireland)
12:00-13:00	Topic Session: E-Health and Technology		ROOM 2
	Chairs: Grace O'Malley (Ireland), Volkan Yumuk (Turkey)		
12:00-12:20	TS17-01	Electronic tools as physical activity interventions	J Jakicic (US)
12:20-12:40	TS17-02	eHealth in clinical obesity treatment	K Pietiläinen (Finland)
12:40-12:50	TS17-03	STOP Project: Development of STOP Portal, data and knowledge ecosystem for healthcare professionals and persons with obesity	A Moorhead (UK)
12:50-13:00	TS17-04	Reduction of metabolic syndrome by an internet-based health behaviour change support tool that combines persuasive systems design and cognitive behaviour therapy	M J Savolainen (Finland)
12:00-13:00	EASO OMTF Clinical Teaching Course: What can we Learn from the Results of the ACTION Studies?		ROOM 3
	Chairs: Jason Halford (UK), Arya Sharma (Canada)		
12:00-12:15		Results from the ACTION studies in North America	L Kaplan (USA)
12:15-12:30		Results from the ACTION-IO study	P Sbraccia (Italy)
12:30-12:45		Trans-Atlantic differences in the ACTIONs results	D Dicker (Israel)
12:45-13:00		Patient perspectives	V Mooney (Ireland)

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12:00-13:00	Accepted Symposium: Navigating Towards a Healthier Weight - the NoHoW Trial		ROOM 4
	Chair: Berit Heitmann (Denmark)		
12:00-12:10	AS9-01	The what, where and why's of the NoHoW project	BL Heitmann (Denmark)
12:10-12:20	AS9-02	Main and secondary outcomes and cost effectiveness	G Horgan (UK)
12:20-12:30	AS9-03	The Toolkit development - strengths and limitations	M Marques (Ireland)
12:30-12:40	AS9-04	The evidence base for WLM – and where next	F Sniehotta (UK)
12:40-12:50	AS9-05	Where to go next	J Stubbs (UK)
12:50-13:00	Discussion		
13:00-14:00	Industry Session		ROOM 1
	IMP CME Satellite Symposium Extending the dialogue: a central role for the multidisciplinary team in obesity care		
13:00-14:30	Industry Session		ROOM 2
	Curax Pharmaceuticals Satellite Symposium		
14:30-15:30	GLOBAL RESEARCH METHODOLOGY WORKSHOP : Towards a universal description of "obesities" in clinical trials		ROOM 1
	Chair: Martine Laville (France)		
14:30-14:40		Why should we consider better describing our patients with obesity?	P MacLean (US)
14:40-14:50		Core set of data to describe obesities in clinical trials : a proposition from @OBEDIS consortium	M Laville (France)
14:50-15:00		Point of view: industry	M Taalo Lund (Denmark)
15:00-15:10		Point of view: patients	V Mooney (Ireland), E Juerisson (Belguim)
15:10-15:20		Perspectives and responses from experts	G Mingrone (Italy), S Bischoff (Germany), @OBEDIS consortium
15:20-15:30	Discussion		
15:30-15:45	EASO New Investigator Award in Clinical Research		ROOM 1
	Chair: Luca Busetto (Italy)		
15:30-15:40		Physical activity in the management of patients with obesity	A Bellicha (France)
15:40-15:45	Discussion		
15:45-16:45	Abstract Discussion Session: Bariatric Surgery		ROOM 1
	Chairs: Luca Busetto (Italy), Francis Finucane (Ireland)		
15:45-15:55	AD14-06	Evaluation of preoperative and postoperative prediction models for diabetes relapse after bariatric surgery: A post-hoc analysis of long-term data from the Swedish Obese Subjects (SOS) study	K Sjöholm (Sweden)
15:55-16:05	AD14-07	The impact of bariatric surgery on microvascular complications in patients with type 2 diabetes mellitus: A matched-controlled population-based cohort study	P Singh (UK)
16:05-16:15	AD14-08	Hedonic hunger and eating behaviour in patients with suboptimal and optimal weight loss ten years after Roux-en-Y gastric bypass	O Børresen Skjølsvold (Norway)
16:15-16:25	AD14-09	What influences whether bariatric surgery is successful - the patients speak out	C Homer (UK)
16:25-16:35	AD14-10	Are food preference modifications towards healthier options the key to success for bariatric surgery?	E Guyot (France)
16:35-16:45	AD14-11	Subjective appetite sensations in patients with Suboptimal- and Optimal Weight Loss 10 years after Roux-en-Y Gastric Bypass	K Eriksen (Norway)

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15:45-16:45	Abstract Discussion Session: Nutrition		ROOM 2
	Chairs: Paula Freitas (Portugal), Snezana Polovina (Serbia)		
15:45-15:55	AD15-01	Impact of intermittent vs. continuous energy restriction on weight and cardiometabolic factors: A 12-month follow-up	J B Keogh (Australia)
15:55-16:05	AD15-02	Longitudinal association between ultra-processed foods consumption and body fat distribution: 1-year of follow-up analysis within the PREDIMED-Plus trial	J Konieczna (Spain)
16:05-16:15	AD15-05	Impact of vitamin D supplementation and VDR and ADR gene polymorphisms in weight loss diet outcomes	K Xenos (Greece)
16:15-16:25	AD15-06	Energy and Macronutrient Intake, Intake of Different Food Groups and Physical Activity as Potential Causes of Suboptimal Weight Loss 10 Years after Roux-en-Y gastric bypass	J Lundanes (Norway)
16:25-16:35	AD15-07	Effectiveness of a very low carbohydrate diet on overweight or obese patients with T2DM on weight loss, HbA1C, medication and blood lipids	E Govers (Netherlands)
16:35-16:45	Discussion		
15:45-16:45	Abstract Discussion Session: Multimorbidity		ROOM 3
	Chairs: Cathy Breen (Ireland), Davor Stimac (Croatia)		
15:45-15:55	AD16-01	Resting energy expenditure and daily steps in adults with sarcopenic obesity: Prospective observational study	M El Ghoch (Lebanon)
15:55-16:05	AD16-02	Weight loss and risk reduction of obesity-related conditions in 0.5 million people: evidence from a UK primary care database	P McEwan (UK)
16:05-16:15	AD16-03	How low do you have to go with carbohydrate intake to suppress appetite during weight loss in individuals with obesity? (Results from the ASKED Randomized Controlled Trial)	J A Roekenes (Norway)
16:15-16:25	AD16-04	Long-term cardiac changes in patients with obesity after surgical and medical treatment	M Rodríguez Flores (Mexico)
16:25-16:35	AD16-05	Relationship between resting energy expenditure and handgrip strength in adult obese patients from southern Italy	E Speranza (Italy)
16:35-16:45	AD16-06	A smartphone application for medication adherence in patients with obesity-related chronic conditions	M G Del Olmo (Australia)
15:45-16:55	Abstract Discussion Session: Hormone and Gender		ROOM 4
	Chairs: Giovanna Muscogiuri (Italy) Mette Svendsen (Norway)		
15:45-15:55	AD17-01	Men lose more weight and improve more in metabolic parameters following a low-calorie diet but are less able to maintain the improvements after 6 months of follow up compared to women	I Trouwborst (Netherlands)
15:55-16:05	AD17-02	Do men really lose more weight on a low-carbohydrate diet than women?	A Susanto (Australia)
16:05-16:15	AD17-03	Anthropometrics in relation to endogenous and exogenous glucocorticoids during combined lifestyle intervention with cognitive behavioral therapy in obesity	M Savas (Netherlands)
16:15-16:25	AD17-04	Kidney function and accuracy of the formulas for the estimation of glomerular filtrate rate (GFR) in patients with severe obesity	G Salvetti (Italy)
16:25-16:35	AD17-05	Long-term therapy with testosterone undecanoate injections (TU) results in profound ad sustained weight loss over 11 years in obese men with hypogonadism: Real-world data from a registry study	F Saad (Germany)
16:35-16:45	AD17-06	Experiences of maternal weight management services among women with a raised body mass index	F J Fair (UK)
16:45-16:55	AD17-07	Women over the age of 55 lose more weight than men on a lifestyle intervention with or without pharmacological treatment: An analysis of the SCOUT trial	A Susanto (Australia)
17:00-17:15	Closing Plenary		ROOM 1

POSTERS

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|--------|---|
| EP-001 | NAFLD the coming global epidemic and health crisis, Egypt on the map
<i>Mona Abd Elmonem Hegazy</i> |
| EP-002 | Pediatric obesity. Non-alcoholic Fatty Liver Disease (NAFLD) and Blood Lipids
<i>Michael Yafi, Mona Eissa</i> |
| EP-003 | Roux-en-Y Gastric Bypass as a Treatment for Barrett's Esophagus after Sleeve Gastrectomy
<i>Moritz Felsenreich, Felix Langer, Christoph Bichler, Magdalena Eilenberg, Julia Jedamzik, Ivan Kristo, Natalie Vock, Lisa Gensthaler, Charlotte Rabl, Alexander Todoroff, Gerhard Prager</i> |
| EP-004 | Mapping food companies in the Colombian market
<i>Cindy Alejandra Pachon, Melissa Mialon, Gustavo Cediel, Diego Gaitan, Eliana Maria Perez</i> |
| EP-005 | Association between changes in body mass index and subjective well-being in middle-aged Japanese subjects
<i>Toshihiro Takao, Naoki Sumi, Yoshiyuki Yamanaka, Sohachi Fujimoto, Tomoari Kamada</i> |
| EP-006 | Relationship between abdominal-to-gluteofemoral adipose tissue volume distribution and survival in patients with breast cancer
<i>Jeong Won Lee, Sang Mi Lee</i> |
| EP-007 | Fruit Acids are Fruit's cryptic anti-obesity agent
<i>Satya Priya Sharama, Seong Tshool Hong</i> |
| EP-008 | Comparison of weight loss effect between a low-carbohydrate diet and a calorie-restricted diet in combination with intragastric balloon therapy
<i>Satoshi Maekawa, Makoto Niizawa</i> |
| EP-009 | Neutrophil Gelatinase Associated Lipocalin: Is not an Early Marker Inductor for Diabetic Nephropathy in Qatari Population
<i>Elham Sharif, Mariam Alwakeel</i> |
| EP-010 | Association of Urinary Vitamin D-Binding Protein and Megalin as Biomarkers for Diabetic Nephropathy in Type 2 Diabetes Mellitus in Qatari Patients
<i>Elham Sharif, Naila Kitaz, Amal Hassan, Mariam Alwakeel</i> |
| EP-011 | Association Between Genetic Variants of GC Gene at 4q13.3 and Vitamin D Concentrations in Adult Females
<i>Elham Sharif, Nasser Rizk, Hajera Thakur, Tasnim Kurdi, Mariam Alwakeel</i> |
| EP-012 | Pharmacy consulting of bariatric patients in hospital
<i>Nadya Margolin, Dvir Froylich, Ophir Lavon, Leah Zack, Riad Hadad, Arie Bitermen, Igor Dashkovsky</i> |
| EP-013 | Abstract withdrawn |
| EP-014 | Abstract withdrawn |
| EP-015 | Gender Differences of Vitamin D Status in BMI: an observational prospective cross-sectional study
<i>Sara Aprano, Giovanna Muscogiuri, Luigi Barrea, Carolina Di Somma, Daniela Laudisio, Ciro Salzano, Gabriella Pugliese, Silvia Savastano, Annamaria Colao</i> |
| EP-016 | Effects of Oral ingestion of Bifidobacterium breve B-3 on body fat and lipids in adults with obesity: a randomized, double-blind, placebo-controlled trial
<i>Sang Yeoup Lee, Ye Li Lee</i> |
| EP-017 | Calcium, vitamin D and other minerals and vitamins in normal weight and pre obese patients
<i>Mihaela Posea, Madalina Ionela Andronache, Emilia Rusu, Gabriela Radulian</i> |
| EP-018 | Relationship between Smoking and Metabolic Syndrome in Engaged and Newly Married Couples Adults in Their 20s and 30s
<i>Bumjo Oh</i> |
| EP-019 | Gender Differences of Vitamin D Status in obesity: an observational prospective cohort study
<i>Giovanna Muscogiuri, Luigi Barrea, Carolina Di Somma, Daniela Laudisio, Ciro Salzano, Gabriella Pugliese, Giulia De Alteriis, Annamaria Colao, Silvia Savastano</i> |
| EP-020 | 1-hr Glucose Tolerance Testing better predictor of β-cell dysfunction and insulin resistance than 2h in patients with severe obesity
<i>Vanessa Guerreiro, Isabel Maia, Fernando Mendonça, Maria Manuel Silva, Daniela Salazar, João Sérgio Neves, Jorge Pedro, Maria João Ferreira, Cláudia Costa, Marta Canha, Pedro Cabral, Rita Lourenço, Patrícia Meira, Sara Viana, Eva Lau, Sandra Belo, Ana Varela, Paula Freitas, Davide Carvalho</i> |

- EP-021** Relationship between 2-hr and 1-hr glucose tolerance testing with β -cell function and insulin resistance, in severe obesity patients
Vanessa Guerreiro, Isabel Maia, Fernando Mendonça, Maria Manuel Silva, Daniela Salazar, João Sérgio Neves, Jorge Pedro, Maria João Ferreira, Cláudia Costa, Marta Canha, Pedro Cabral, Rita Lourenço, Patrícia Meira, Sara Viana, Eva Lau, Sandra Belo, Ana Varela, Paula Freitas, Davide Carvalho
- EP-022** Can you see me? Participant experience of accessing a weight management programme via group videoconference to overcome barriers to engagement in rural areas
Marion Cliffe, Simon Bishop, Sion Williams
- EP-023** Working conditions such as shifting and job position were closely related with BMI, WC
Kyurae Lee, Kidong Ko, Incheol Hwang, Kyoungkon Kim, Heusun Suh
- EP-024** Can an mHealth intervention induce a lifestyle change in adolescence? The TeenPower controlled trial
Pedro Sousa, Catarina Reis, Ricardo Martinho, Sara Dias, Maria Anjos Dixe, Pedro Gaspar, Luis Luis, Regina Ferreira
- EP-025** Review of the effects of high-intensity interval training or moderate-intensity continuous training for weight loss in obese and / or physically inactive patients with high metabolic risk
Manuel Antonio Antonio Pinelo Trancoso, Higinio González García, Alfonso Trinidad Morales
- EP-026** Influence of a 6-month training-program in obese after a bariatric surgery
Manuel Antonio Pinelo Trancoso, Higinio González García, Alfonso Trinidad Morales
- EP-027** Dietary Beliefs And Eating Patterns In Type 2 Diabetes: Evidence From South India
Anoop Kumar
- EP-028** Extended-release naltrexone and bupropion may improve liver health for those with high baseline ALT: pooled analysis from 4 RCTs
Harpreet Bajaj, Melonie Burrows, Jessica Blavignac, Fernando Camacho, Maxime Barakat
- EP-029** Tax awareness and perceptions regarding health warnings related to SSBs and the factors associated with these among visitors of an out-patient clinic in central India
Soumya Kanti Mandal, Arun Mitra, Yash Alok, Shubhanshu Gupta, Anindo Majumdar
- EP-030** What is the portion size guidance for feeding preschool aged children (one to five years) in the UK and Ireland? A systematic grey literature review
Alice Porter, Laura Johnson, Ruth Kipping, Carolyn Summerbell
- EP-031** Incidence of obesity at 1 and 3 years among community dwelling adults: A population based study
Ramona Dejesus, Ivana Croghan, Debra Jacobson, Shun Fan, Jennifer St. Sauver
- EP-032** Evaluation of executive functions in obese middle age adults with and without binge eating disorder
Emma Adriana Chavez Manzanera, Martha Kaufer Horwitz, Sylvana Stephano Zúñiga, Lizette Quiroz Casian, Erwin Chiquete Anaya, Carlos Gerardo Cantú Brito, Maura Jazmín Ramírez Flores, Michelle Durán Gomez, Mariana Ramírez Solache
- EP-033** Perceived and preferred social support in patients with weight regain after bariatric surgery
Liisa Tolvanen, Åsa Svensson, Erik Hemmingsson, Anne Christenson, Ylva Trolle Lagerros
- EP-034** Associations between physical activity, markers of adiposity, and eating behaviors in a sample of diverse individuals with obesity
James L Dorling, Corby K Martin, John W Apolzan, Robert L Newton, Candice A Myers, Kara D Denstel, Emily F Mire, Christoph Höchsmann, Tina K Thethi, Peter T Katzmarzyk
- EP-035** Effects of alpha-cyclodextrin on cholesterol control in people with pre-diabetes and overweight or obesity: a randomised controlled trial
Erica Bessell, Nicholas R Fuller, Tania P Markovic, Namson S Lau, Jessica Burk, Chelsea Hendy, Tegan Picone, Ang Li, Ian D Caterson
- EP-036** Pediatric obesity demographics an academic practice: a pilot study
Emediong Udo, Avni Shah, Michael Yafi
- EP-037** Construction and evaluation of a mouse model of simple obesity with spleen deficiency and damp stagnation
Shaoqin Ge, Mengmeng Zhu, Lixin Wang, Ruoyu Feng, Zejia Zhang, Tianci Zhao
- EP-038** When Bariatric Surgery not Feasible.. What are the options?
Mahir Khalil Ibrahim Jallo

- EP-039** **Is BMI a good indicator of obesity among Lebanese women?**
Yasser Yaghi, Ali Elsharif, Mohammad Msheik, Aya Misto, Mouna Hakki
- EP-040** **Association between overweight/obesity and disease activity on bone scintigraphy in patients with rheumatoid arthritis**
Sang Mi Lee, Jeong Won Lee
- EP-041** **Research Progress on Myopia Prevention in Children and Adolescents by Outdoor and Physical Activity**
Jin Yan, Si Tong Chen
- EP-042** **Ethnic overweight and obesity rates in an inner city academic practice**
Priscillie Donate, Michelle Rivera Davila, Michael Yafi
- EP-043** **Effectiveness of Liraglutide versus Sitagliptin as an add on to Metformin for body weight reduction among overweight or obese Asians with Type 2 Diabetes Mellitus: A Meta analysis**
Angeline Soledad Uy Lim, Janine Bea Chua Macaspac, Juan Maria Ibarra Co
- EP-044** **Background characteristics and postoperative outcomes in Japanese patients with insufficient weight loss after laparoscopic sleeve gastrectomy**
Atsuhito Saiki, Takashi Yamaguchi, Sho Tanaka, Akira Sasaki, Takeshi Naitoh, Yasuyuki Seto, Hisahiro Matsubara, Koutaro Yokote, Shinichi Okazumi, Satoshi Ugi, Hiroshi Yamamoto, Masayuki Ohta, Yasushi Ishigaki, Kazunori Kasama, Yosuke Seki, Junichiro Irie, Toru Kusakabe, Motoyoshi Tsujino, Kohji Shirai, Karin Hayashi, Yasuhiro Miyazaki, Takayuki Masaki, Daiji Nagayama, Ichiro Tatsuno
- EP-045** **Pediatric obesity and cardiac risk: Can we do better?**
Josue Maldonado, Nunilo Rubio, Michael Yafi
- EP-046** **Protective effect of probiotic isolate Weissella cibaria against high-fat diet-induced metabolic syndrome: an experimental study**
Sakshi Khanna, Kanthi Kiran Kondepudi, Geeta Shukla
- EP-047** **Best cross-sectional computed tomogram plane to measure the visceral adipose tissue area predicting metabolic syndrome**
Jee Hyun Kang
- EP-048** **Frequency of milk intake was considered as a pivot role to obesity and cardiovascular events in general population in Korean**
Kyurae Lee, Kidong Ko, Incheol Hwang, Kyoungkon Kim, Heuysun Suh
- EP-049** **A Web-based Dietary Tool for better Prevention and Treatment of Childhood Obesity in Norway**
Tove Langlo Drilen, Rønnaug Astrid Ødegård
- EP-050** **WHO Childhood Obesity Surveillance Initiative (COSI) in Serbia in 2019: monitoring obesity in young children**
Lidija Markovic, Visnja Djordjic, Nebojsa Trajkovic, Dragan Cvejic, Predrag Bozic, Sabolic Halasi, Sergej Ostojic
- EP-051** **Influence of a physical exercise intervention in people with bariatric surgery**
Manuel Antonio Pinelo Trancoso, Higinio González García, Alfonso Trinidad Morales, Rosa María Benítez Pérez, Noelia Avecilla Benítez, Fernando Trujillo Santos
- EP-052** **Effect of metabolic syndrome in patients with acute myocardial infarction**
Surenjav Chimed
- EP-053** **Views and experiences of child weight conversations within primary school settings**
Anna Chisholm, Katalin Ujhelyi Gomez, Sarah Peters, Jo Hart
- EP-054** **Eligibility for metabolic surgery in patients with type 2 diabetes; a three-centre descriptive study**
Evangelia Tzeravini, Ioanna Severi, Elina El Deik, Melina Karaolia, Marina Noutsou, Anastasia Thanopoulou, Aikaterini Kountouri, Vaia Lambadiari, Nicholas Tentolouris, Nicholas Katsilambros, Alexander Kokkinos
- EP-055** **Prevalence of Metabolic Syndrome and silent Type-2 Diabetes Mellitus in Obese Children and Adolescents**
Aysehan Akinci, Ismail Dunder
- EP-056** **Acceptance of an mHealth program to promote healthy behaviors and prevent overweight among adolescents: a mixed methods study**
Pedro Sousa, Inês Ferreira, Maria João Filipe, Patrick Guerra, Raquel Ferreira, Maria Anjos Dixe
- EP-057** **Relationship between 1-year percent total weight loss, 3-year outcome and mental health background in Japanese patients after laparoscopic sleeve gastrectomy**
Atsuhito Saiki, Rieko Kanai, Shoko Nakamura, Sho Tanaka, Rena Oka, Yasuhiro Watanabe, Takashi Yamaguchi, Masahiro Ohira, Takashi Oshiro, Karin Hayashi, Ichiro Tatsuno

- EP-058** **A comparative Study of Inflammatory markers among obese patients and non-obese healthy volunteers in Indian: A multicentric case control study**
Ananda Mohan Chakraborty, Chitrangada Shivaji Yadav, Soumitra Ghosh, Debashish Mondal
- EP-059** **Metabolic syndrome and risk of thyroid cancer according to obesity: A nationwide population-based cohort study**
Joo Hyun Park, Moonyoung Choi, Do Hoon Kim, Hyun Jin Kim, Myung Ji Nam, Chung Woo Lee, Kyungdo Han, Jin Hyung Jung, Yong Gyu Park
- EP-060** **Association of adiposity estimated by isotope dilution technique with metabolic parameters in Sri Lankan women**
Ranil Jayawardena, Piumika Sooriyaarachchi, Andrew P Hills
- EP-061** **Medical devices in obesity management**
Hassan M Heshmati
- EP-062** **Is Korean adopting the obesity, metabolically?: Comparing between KNHANES 2008 and 2017**
Sangmo Hong, Yun Mi Choi, Mi Kyung Kwak, Eun Gyoung Hong
- EP-063** **Fatty acid translocase (Cd36) regulates energy substrate utilization and insulin signaling in brown adipose tissue in spontaneously hypertensive rats**
Michal Pravenec, Jan Silhavy, Petr Mlejnek, Miroslava Simakova, Hana Malinska, Irena Markova, Martina Huttli
- EP-064** **Association of lifestyle and early risk obesity variables with the BMI for age categories in Greek, Spanish and Brazilian schools**
Macarena Torrego, Ana Cortés Martínez, Ángel Del Rey Mejías, Elena Arredondo, Germán Seara, Christina César Praça Brasil, Ilana Nogueira Bezerra, Dayanna Magalhães Dos Reis, José Fernando Rodrigues Ferreira, José Eurico De Vasconcelos, Ana Maria Fontenelle Catrib, Naiana Anchieta Mendes Melo, Cleilton Rocha, Eriko Weibert, Leonardo Costa, Rodrigo Melo, Leire Bastida, Ana Moya, Eva Benito, Ceferino Maestu, Thomas Fischer, Kostas Soutos, Andreas Triantafyllidis, Alba M Gallego
- EP-065** **Postprandial leptin and adiponectin in response to sugar and fat in obese and normal weight individuals**
Maria Arlén Larsen, Victoria Therese Isaksen, Eyvind J Paulssen, Rasmus Goll, Jon Ragnar Florholmen
- EP-066** **Beta-1 and not beta-3-adrenergic receptors may be the primary regulator of human brown adipocyte metabolism**
Mette Ji Riis Vestergaard, Bjørn Richelsen, Jens Meldgaard Bruun, We Li, Jacob B. Hansen, Steen Bønløkke Pedersen
- EP-067** **"The role of retinol binding protein 4 as a marker of cardiovascular disease risk in patients with arterial hypertension and obesity"**
Elena N. Yushchuk, Irina A. Sadulaeva, Natalia A. Chusova
- EP-068** **Feeling Fat? Feeling Policy: On the Role of Emotions and Stigma in Public Health Policy**
Michael Orsini
- EP-069** **Joint effects of obesity and key lifestyle factors as predictors of colorectal cancer**
Eira Roos, Olli Pietiläinen, Karri Seppä, Heidi Ryyänen, Sanna Heikkinen, Maarit Laaksonen, Teemu Roos, Paul Knekt, Satu Männistö, Tommi Härkänen, Pekka Jousilahti, Johan G Eriksson, Nea Malila, Ossi Rahkonen, Janne Pitkaniemi
- EP-070** **Does eating more healthy foods correlate to eating less junk food in adults with and without obesity?**
Mackenzie Fong, Ang Li, Andrew Hill, Michelle Cunich, Michael Skilton, Claire Madigan, Ian Caterson
- EP-071** **Association between body composition measured by DEXA and white matter hyperintensities**
Jee Hye Han, Hye Jung Kim, Jung Hwan Kim, Kil Young Kwon
- EP-072** **Influence of Family Communication and Family Function to their Body Mass Index among Medical Students**
Youngjin Park, Sunghyun Moon, Jinah Han, Bokyung Shine, Byungwook Ahn, Seokhoon Kang
- EP-073** **Lack of mitochondrial acyl-coenzyme A synthetase Acs3 contributes to hypertriglyceridemia and diet-induced obesity in PD rats**
Petr Mlejnek, František Liška, Lucie Šedová, Ondřej Šeda, Miroslava Šimáková, Michal Pravenec
- EP-074** **Recent weight gain is risk factor for undiagnosed metabolic syndrome in apparently healthy non-obese young adults: KNHANES 2014-2017**
Jin Hwa Kim, Young Sang Lyu, Sang Yong Kim
- EP-075** **Is obesity the basis for the development of multimorbidity?**
Sarah Cuschieri
- EP-076** **Effect of dietary protein source on body composition and cardiometabolic risk in obese young adults during anti-inflammatory weight management program**
Gordana Kendjel Jovanovic, Sanja Klobucar Majanovic, Ines Mrakovic Sutic, Davor Stimac

- EP-077 **A comparison of weight loss and metabolic improvements between gastric banding and gastric banded plication among the obese**
Chih Yen Chen, Weu Wang
- EP-078 **Which adiposity status is linked with the growing depression epidemic?**
Sarah Cuschieri
- EP-079 **Lifestyles and genetics of healthy super lean subjects (BMI < 18.5) compared to normal weight individuals (BMI 21.5 to 25)**
Sumei Hu, Xueying Zhang, Marina Stamatious, Yiran Li, John Roger Speakman
- EP-080 **GnRH analogues therapy in obese girls with Idiopathic Central Precocious Puberty, is associated with increased risk of Polycystic Ovary Syndrome and higher Insulin Resistance later in Adolescence**
Vasileios Karountzos, George Panotopoulos, Evangelia Deligeoroglou, Efthimios Deligeoroglou
- EP-081 **Associations of early weight change with 12-month weight loss in postmenopausal women in a behavioral lifestyle change program in a randomized controlled trial**
Juan Carlos Padilla, Jean De Dieu Tapsoba, Ching Yun Wang, Catherine Duggan, Anne McTiernan
- EP-082 **The obesogenic phenotype of a high-risk European state**
Sarah Cuschieri
- EP-083 **Obesity is associated with sympathetic nervous activation in school aged children**
Beatriz Gonçalves Teixeira, Inês Paciência, João Cavaleiro Rufo, Francisca Mendes, Mariana Farraia, Patrícia Padrão, Pedro Moreira, André Moreira
- EP-084 **Socioeconomic Position and Body Composition across the Life Course: A systematic Review**
Charis Bridger Staatz, Rebecca Hardy, Yvonne Kelly, Rebecca Lacey, Joanna Blodgett, Anitha George, Megan Arnot, Emma Walker
- EP-085 **Three years follow up (cohort) study via Population based intervention on adolescent and childhood obesity and overweight at schools setting**
Hamid Yahya Hussain
- EP-086 **The Expression of Bile Acid Receptor TGR5 in Visceral Adipose Tissue in Diet-Induced Obesity Mice treated with Sulforaphane**
Nasser M Rizk, Sumaya Abdullah Ahmed, Amena Saleh Fadel, Abdelrahman Elgarnal, Dina Elsayegh
- EP-087 **Pleasurable food education – a response to the childhood obesity crisis**
Josephene Duffy
- EP-088 **Health Services Provision in Enga Province of Papua New Guinea**
Martin Korokan
- EP-089 **Applying the COM-B model to understand childhood obesity prevention practices in primary health care: a systematic review**
Devashish Ray, Falko Sniehotta, Elaine McColl, Louisa Ellis
- EP-090 **Comparative analysis of efficiency of markers for determining of visceral obesity in men**
Denis Deev, Boris Pinkhasov, Tatyana Matsievskaya, Svetlana Iankovskaia, Vera Selyatitskaya
- EP-091 **The Impact of Pomegranate Peel-fortified Cupcakes on Weight Loss**
Eman Saad Alami, Lamiaa M. Lotfy
- EP-092 **Hormonal characteristics of androgen status in men**
Svetlana Iankovskaia, Nadezhda Shilina, Olga Kuzminova, Denis Deev, Boris Pinkhasov, Vera Selyatitskaya
- EP-093 **Incorrect feeding causes obesity/overweight, nephrolithiasis and arterial hypertension**
Colucci Giovanni, Basile Carlo, Robusto Fabio, Colucci Enza, Iacovazzo Pasquale, Zamparella Maria, Carelli Francesco, Grittani Mario, Amati Luigi
- EP-094 **Anthropometric and hormonal-metabolic features of juvenile obesity**
Nadezhda Shilina, Svetlana Iankovskaia, Irida Mokhova, Boris Pinkhasov, Vera Selyatitskaya
- EP-095 **Assessment of compliance and motivation to obesity treatment**
Nadezhda Shilina, Irida Mokhova, Boris Pinkhasov, Denis Deev, Vera Selyatitskaya

- EP-096** Prenatal anxiety, depression and stressful life events and trajectories of cardiometabolic risk factors across childhood and adolescence: a prospective cohort study
Karen Matvienko-Sikar, Kate O'Neill, Sarah Redsell, Catherine Hayes, Ali Khashan, Abigail Fraser, Laura Howe, Deirdre Murray, Darren Dahly, Anja Huizink, Patricia M Kearney
- EP-097** Effect of Bariatric Surgery on Circulating FGF-19: A Systematic Review and Meta-Analysis
Paul MacDaragh Ryan, Nathaniel Edward Hayward, Ryan Taylor Sless, Philip Garwood, Jamal Rahmani
- EP-098** Obesity is a threat to women's reproductive health
Elena N Andreeva, Olga R Grigoryan, Ekaterina V Sheremetyeva, Julia S Absatarova, Natalia G Mokrysheva
- EP-099** Ovarian reserve in women with obesity
Elena N Andreeva, Olga R Grigoryan, Robert K Mikheev, Ekaterina V Sheremetyeva, Julia S Absatarova, Ivan I Dedov, Natalia G Mokrysheva
- EP-100** Anti-obesity Effect and Hormone Regulation of A.munciniphila and Some Bio metric Parameters In The Obese Patients
Fakhri Alajeeli, Rusul Hamed
- EP-101** A feasibility audit of dietetic services for adolescent gynaecology patients at an Irish tertiary referral centre
Eileen C O'Brien, Venita Broderick, Sinead B Curran
- EP-102** Relationship between the polyamine content, energy and nutritional quality of 402 canteen meals
Grace Barron, Florent Dudan, Suttipong Mungkala, Fabio Mainardi, Hilary Green
- EP-103** The use of multiple linear regression to predict the polyamine content of meals
Hilary Green, Sabrina Lecat, Fabio Mainardi, Grace Barron, Florent Dudan, Suttipong Mungkala, Roko Plestina
- EP-104** Appetite and adiposity in childhood: A systematic review and meta-analysis of the relationships between the Child Eating Behaviour Questionnaire (CEBQ) and adiposity
Alice Rose Kinjirmonth, Andrea Smith, Susan Carnell, Silje Steinsbekk, Alison Fildes, Clare Llewellyn
- EP-105** One year individual or group based lifestyle intervention in obese. Impact on metabolic profile and body composition
Sara Vizzuso, Matilde Amatruda, Giuseppe Banderai, Chiara Mameli, Gianvincenzo Zuccotti, Elvira Verduci
- EP-106** Does food reward and appetite control differ between women with or without overweight/obesity?
Pauline Oustric, Kristine Beaulieu, Nuno Casanova, Dominic O'connor, Catherine Gibbons, Marc Hopkins, John Blundell, Graham Finlayson
- EP-107** Abstract withdrawn
- EP-108** Walking activity for prevention of cardiovascular disease and death in overweight and obese adults with diabetes
Kyoung Hwa Ha, Dae Jung Kim
- EP-109** Optimal cut-off point for abdominal visceral to subcutaneous fat ratio in Korean
Hyuktae Kwon, Ha Yeon Lim, Gyeongsil Lee
- EP-110** Can dietary carbohydrate restriction improve obesity and abnormal liver function? A general practice service evaluation looking at weight and gamma-glutamyl transferase results over 7 years
David John Unwin
- EP-111** Abstract withdrawn
- EP-112** Lack of social support and experiences of condescending treatment among persons with overweight or obesity who want to lose weight
Anu Molarius, Margareta Lindén Boström, Jan Karlsson
- EP-113** PEDOBESITY: Development of Intelligent Multi-level Information Systems and Specialized Artificial Intelligence Algorithms for Personalized Management of Obesity in Childhood and Adolescence
Penio Kassari, Antonis Billiris, Haralampos Karanikas, Eleftherios Thireos, Nikolaos Drakoulis, Ioannis Manios, Evangelia Charmandari
- EP-114** Sensoriality and cognition in a food and nutrition education program
Rosa Wanda Diez Garcia, Carina Carlucci Palazzo, Barbara Esteves Leghi, Alfredo Pereira Junior
- EP-115** Validation of the baby eating behavior questionnaire in a chilean population
Ana M Obregon, Claudia Ananias, Macarena Valladares, Paulina Petinelli, Gary Goldfield, Andrea Smith, Clare Llewellyn, Claudia Hunot, Enrique Guzman

- EP-116** Investigating the role of G protein-coupled receptor 35 (GPR35) in the regulation of energy homeostasis
Omer Mohamed
- EP-117** Distinct consumption of food supplements by normal weight and overweight pregnant women
Ella Koivuniemi, Kirsi Laitinen
- EP-118** The multidisciplinary inpatient program in subjects with severe obesity: one-year follow-up results
Simona Luciana Budui, Francesca Giordano, Stefania Leoni, Michela Berteotti, Erica Sartori, Vanessa Peron, Laura Franceschini, Micol Taddei, Fulvio Castiglioni, Sabrina Salvetti, Livio Zerbini, Federica Gilli, Spyros Skafidas, Federico Schena, Maria Letizia Petroni, Luca Busetto
- EP-119** Research Progress on Risk Factors for Obesity of Children and Adolescents in China
Jin Yan
- EP-120** Parent Engagement and Prevention of Childhood Obesity: A Systematic Review
Atieh Mehdizadeh, Mohsen Nematy, Hassan Vatanparast, Majid Khadem Rezaian, Maryam Emadzadeh
- EP-121** Vitamin supplementation after bariatric surgery: high folic acid levels and possible consequences
Inês Ferreira Barros, Marta Alves
- EP-122** Blueberry extracts prevent obesity in C57BL/6 mice through modulation of energy balance via pathways involving bile acid de-conjugation and signalling
Alina Zitskaja, Linda Petrie, Justin Rochford, Andreas Kolb
- EP-123** Body composition, appetite control and eating behaviour outcomes one year following $\geq 5\%$ weight loss through intermittent or continuous energy restriction in women with overweight/obesity
Kristine Beaulieu, Dominic O'Connor, Nuno Casanova, Pauline Oustric, Catherine Gibbons, Mark Hopkins, Krista Varady, John Blundell, Graham Finlayson
- EP-124** A High Physical Activity/Low Sitting Profile is associated with more Self-determined Motivations to Exercise and Regulate Eating
Eliana V Carraca, Bruno Rodrigues, David Sánchez Oliva
- EP-125** Preoperative assessment for Patients undergoing Bariatric Surgery
Yulia Klitsunova, Kostyantyn Mylyltsya
- EP-126** The Safety of Optical Trocars in the Establishment of Pneumoperitoneum in Obese Patients
Marwan Mohamed Bucheeri, Abdulmenem Yahya Abulseil
- EP-127** Obesity, sarcopenic obesity and cardiometabolic risk factors among middle-aged and elderly population in Taiwan
Nain Feng Chu, Der Min Wu, Yu Chen Lin
- EP-128** Association between chronic disease status and grip strength among middle-age and elderly population in Taiwan – The Chiayi community-based elderly health survey
Nain Feng Chu, Der Min Wu, Yu Chen Lin
- EP-129** Monocyte chemoattractant protein-1 in rheumatoid arthritis with increased body weight after etanercept therapy: metabolic versus autoimmune inflammation
Hsien Hao Huang, Chang Youh Tsai, Chih Yen Chen
- EP-130** Impact of a 6-week complex lifestyle modification program on physiological and metabolic parameters in obese patients
István Puskás, Judit Horváth, Adél Nagy, Ákos Németh, Anita Szentpéteri, Ildikó Seres, György Paragh, Zoltán Jenei, Péter Fülöp
- EP-131** Analysis of the PRIMAVERA study in patients with alimentary obesity and various reproductive disorders
Elena N Andreeva, Olga R Grigoryan, Ekaterina V Sheremeteyeva, Julia S Absatarova, Ekaterina A Troshina, Ivan I Dedov
- EP-132** Preventing childhood obesity by focusing on a life course approach. The Health in Preconception and Pregnancy (HiPP) Centre of Research Excellence
Helen Skouteris, Helen Skouteris
- EP-133** Body composition and cognitive impairment in patients with type 1 diabetes
Mariia Matveeva, Julia Samoliva, Oxana Oleynik, Daria Podchinenova, Alex Filimonov, Nargiz Diraeva, Elena Sagan
- EP-134** Pouch emptying rate in patients with successful versus unsuccessful weight loss, two years after laparoscopic Roux-en-Y gastric bypass
Yonta Van Der Burgh, Laura Deden, Julia Roelofs, Paul Smeets, Eric Hazebroek

- EP-135** Exploring the fast food and planning appeals system in England and Wales: Decisions made by the Planning Inspectorate (PINS)
Claire L O'Malley, Amelia A Lake, Tim G Townshend, Helen J Moore
- EP-136** The evolution on fat-free mass after bariatric surgery in morbid obese patients
Marta Comas Martínez, Diana Romero, Enzamaría Fidalgo, Angel Michael Ortiz, Marta Sánchez, Rosa Burgos, Andreea Ciudin
- EP-137** The Effect of Standard versus Longer Intestinal Bypass on GLP-1 Regulation and Glucose Metabolism in Patients with Type 2 Diabetes Undergoing Roux-en-Y Gastric Bypass
Alex Dimitri Miras, Anna Kamocka, Belén Pérez Pevida, Sanjay Purkayastha, Krishna Moorthy, Ameet Patel, Harvinder Chahal, Gary Frost, Paul Bassett, Lidia Castagnetto Gissey, Lucy Coppin, Nicola Jackson, Anne Margot Umpleby, Stephen Robert Bloom, Tricia Tan, Ahmed Rashid Ahmed, Francesco Rubino
- EP-138** The cut-off point for HOMA-IR values corresponding with low circulating SHBG levels in women with polycystic ovary syndrome
Aleksandra Biernacka Bartnik, Piotr Kocelak, Aleksander Owczarek, Piotr Chóreza, Leszek Markuszewski, Paweł Madej, Jerzy Chudek, Magdalena Olszanecka Glinianowicz
- EP-139** The impact of obesity on sexual functions and dyadic consensus in patients with obesity
Feray Akbas, Sevda Bag
- EP-140** Bariatric surgery (BS) could slow subclinical atheromatosis by reducing inflammation and vascular endothelial dysfunction independently of the atheroma presence
Júlia Carmona Maurici, Elena Cuello, Eva Pardina, David Ricart Jané, Antonio Miñarro, Juan Antonio Baena Fustegueras, Julia Peinado Onsurbe
- EP-141** Evaluation of resting energy expenditure, body composition and sarcopenia before and after two years gastric by-pass surgery
Enza Speranza, Delia Morlino, Olivia Di Vincenzo, Iolanda Cioffi, Marialaura Santopaulo, Lidia Santarpia, Ilenia Romano, Maurizio Marra, Fabrizio Pasanisi, Rosa Sammarco
- EP-142** Ghrelin reduces hepatocyte mitochondrial dysfunction and endoplasmic reticulum stress: role in the improvement of liver inflammation after bariatric surgery in rats
Silvia Ezquerro, Sara Beceril, Carlota Tuero, Leire Méndez Giménez, Fátima Mocha, Rafael Moncada, Víctor Valentí, Javier A. Cienfuegos, Victoria Catalán, Javier Gómez Ambrosi, Karen Piper Hanley, Gema Frühbeck, Amaia Rodríguez
- EP-143** Increasing rates of hyperlipidemia in young population and the importance of prevention
Feray Akbas, Hanife Usta Atmaca, Gokalp Avlaci
- EP-144** Evaluation of dietary habits and levels of physical activity in high school Spanish teenagers. Observational study
Belén Parra Escartin, Felipe Villalobos Martínez
- EP-145** Impact of GLP-1 on glucose homeostasis after bariatric surgery and its role in limiting adipocyte inflammation
Victoria Catalán, Maitane Izaguirre, Javier Gómez Ambrosi, Amaia Rodríguez, Beatriz Ramírez, Sara Beceril, Xabier Unamuno, Víctor Valentí, Rafael Moncada, Camilo Silva, Ignacio Monreal, Javier Salvador, Gema Frühbeck
- EP-146** Early diagnosis of visceral obesity
Daria Podchinenova, Iuliia Samoilova, Oxana Oleynik, Olga Kobaykova, Ivan Tolmachev
- EP-147** ACTION-IO as a platform to understand differences in perceptions, attitudes, and behaviours of people with obesity and healthcare professionals across countries – the Israeli experience
Dror Dicker, Batya Kornboim, Rakefet Bachrach, Naim Shehadeh, Lotmit Bourvine, Gabriella Segal-Lieberman
- EP-148** Identifying determinants of fruit and vegetable consumption in pre-school children: a mixed methods study using the Theoretical Domains Framework (TDF)
Claire L O'Malley, Nicola Heslehurst, Helen J Moore, Carolyn D Summerbell
- EP-149** Differences in impact and perception of obesity between women and men: results from ACTION-IO
Georgia Rigas, Assim A Alfadda, Ian D Caterson, Walimir Coutinho, Ada Cuevas, Dror Dicker, Jason C G Halford, Masato Iwabu, Jae Heon Kang, Rita Nawar, Ricardo Reynoso, Nicolai Rhee, Javier Salvador
- EP-150** The underestimation of obesity by individuals needs to be addressed by healthcare professionals
Paolo Sbraccia, Assim A Alfadda, Ian D Caterson, Walimir Coutinho, Ada Cuevas, Dror Dicker, Jason C G Halford, Masato Iwabu, Jae Heon Kang, Rita Nawar, Ricardo Reynoso, Georgia Rigas, Javier Salvador, Verónica Vázquez Velázquez
- EP-151** Obesity expertise: added value but still lots to do in obesity care
Javier Salvador, Assim A Alfadda, Ian D Caterson, Walimir Coutinho, Ada Cuevas, Dror Dicker, Jason C G Halford, Carly A Hughes, Masato Iwabu, Jae Heon Kang, Rita Nawar, Ricardo Reynoso, Georgia Rigas, Paolo Sbraccia, Verónica Vázquez Velázquez

- Healthcare professional's age and obesity care: results from ACTION-IO**
EP-152 *Jae-Heon Kang, Assim A Alfadda, Ian D Caterson, Walimir Coutinho, Ada Cuevas, Dror Dicker, Jason C G Halford, Masato Iwabuchi, Rita Nawar, Ricardo Reynoso, Nicolai Rhee, Georgia Rigas, Javier Salvador*
- Can geographic mapping for class III obesity aid disaster risk reduction in Aotearoa New Zealand?**
EP-153 *Lesley Gray, Ashleigh Rushton, Matthew Hobbs*
- Vulnerability to unbalanced food consumption**
EP-154 *Rosa Wanda Diez Garcia*
- Body mass index trajectories among Finnish municipal employees: do changes in economic circumstances vary by trajectory groups?**
EP-155 *Jatta Salmela, Tea Lallukka, Elina Mauramo, Ossi Rahkonen, Noora Kanerva*
- Examining the relationship between body composition, cognition and psychosocial health in kindergarten aged children: data from the Ramping Up Neurocognition (RUN) Study**
EP-156 *Brandon Heidinger, Kaamel Hafizi, Fatima Mougharbel, Mohcene Abdessemed, Jameason Cameron, Justin Lang, Kristi B. Adamo, Valerie Carson, Patti Jean Naylor, Brian W. Timmons, Amedeo D'angiulli, Gary S. Goldfield*
- Associations between the physical activity environment surrounding regional primary schools and physical activity behaviours and weight status in Victoria, Australia**
EP-157 *Jane P Jacobs, Nicholas Crooks, Steven Allender, Claudia Strugnell, Kathryn Backholer, Melanie Nichols*
- The relation between food habits and social demographic characteristics**
EP-158 *Andreea Morosanu, Magdalena Morosanu*
- Behaviour technique-based tools associated with weight loss in a web platform intervention for adults: the POEmaS randomized trial**
EP-159 *Alline M Beleigoli, Andre Q Andrade, Maria De Fatima H Diniz, Antonio L Ribeiro*
- The Beneficial Effect of Preoperative Lifestyle Intervention on Weight Regain after Roux-en Y Gastric Bypass**
EP-160 *Yeonji Lee, Yoonseok Heo, Ji Ho Choi*
- Review of the use of DXA instrument in animal experiments for obesity study: Follow-up of body composition changes for 8 weeks**
EP-161 *Youngmo Kim, Han Jik Ko, Gm Kim*
- Relationship between alcohol consumption and metabolic syndrome according to high sensitivity C-reactive protein levels in Korean men**
EP-162 *Yong Woo Lee, Sung Soo Kim*
- Ethnic and sex differences in the potential role of brown adipose tissue in preschool children: The GUSTO study**
EP-163 *Mya Thway Tint, Navin Michael, Suresh Anand Sandananthan, Jonathan Huang, Lynette Pei Chi Shek, Fabian Yap, S. Sendhil Velan, Peter D Gluckman, Yap Seng Chong, Melvin K S Leow, Kuan Jin Lee, Yung Seng Lee, Keith M Godfrey, Houchun, Harry Hu, Cuilin Zhang, Marielle V Fortier, Johan G Eriksson*
- Neck adipose tissue accumulation is associated with higher overall and central adiposity, cardiometabolic risk, and pro-inflammatory profile in young adults**
EP-164 *Maria Jose Arias Tellez, Francisco M Acosta, Elisa Merchán Ramírez, Borja Martinez Tellez, Yolanda García Rivero, Jose Miguel Pascual Gamarra, Analiza M Silva, Julio Almansa López, Jose Llamas Elvira, Jonatan R Ruiz*
- Self-reported gastrointestinal symptoms 2-4 years after bariatric surgery. A cross-sectional comparison between gastric bypass and sleeve gastrectomy**
EP-165 *Brit Thorsen, Kari Hanne Gjeilo, Siren Nymo*
- Topiramate is associated with weight loss in children with obesity**
EP-166 *David Sultman, Louise Apperley, Ram Kumar, Senthil Senniappan*
- Long-term therapy with testosterone undecanoate injections (TU) improves lipid profile, blood pressure and glycemic control over 11 years in obese men with hypogonadism: real-world data from 4059 patient-years**
EP-167 *Farid Saad, Ahmad Haider, Karim Sultan Haider, Gheorghe Doros, Abdulmageed Traish*
- The impact of and views on school food policy in young people aged 11-18 years: a mixed methods systematic review**
EP-168 *Kelly Rose, Amelia A Lake, Claire O'Malley, Fatemeh Eskandari, Laura Brown, Louisa J Ellis*
- BigO: Novel technologies for the management of childhood obesity – The case of a clinical study in Greece**
EP-169 *Athanasia Tragomalou, Penio Kassari, Ioannis Ioakeimidis, Konstantinos Filis, Eleni Theodoropoulou, Giorgos Lymperopoulos, Isabel Perez Cuevas, Youla Karavidopoulou, Christos Diou, Christos Maramis, Eirini Lekka, Nicos Maglaveras, Anastasios Delopoulos, Evangelia Charmandari*

- EP-170** **Effects of integrated care for childhood overweight and obesity on quality of life in children in 's-Hertogenbosch, the Netherlands**
Sanne De Laat, Judith Edens, Monique Jacobs, Edgar Van Mil, Ien Van De Goor
- EP-171** **Vitamin and micronutrient deficiency after bariatric surgery**
Eva Christina Krzizek, Johanna Maria Brix, Alexander Stöckl, Verena Parzer, Bernhard Ludvik
- EP-172** **Accuracy of resting energy expenditure in elite athletes of different sports**
Olivia Di Vincenzo, Maurizio Marra, Delia Morlino, Enza Speranza, Iolanda Cioffi, Rosa Sammarco, Luca Scafì, Fabrizio Pasanisi
- EP-173** **Impact of obesity on health-related quality of life and working ability: a Finnish population-based study**
Aino Vesikansa, Jari Jokelainen, Katja Mutanen, Annamari Lundqvist, Tiina Laatikainen, Tero Ylisaukko-oja, Tero Saukkonen, Kirsi H Pietiläinen
- EP-174** **The age-related factor GDF11 is unchanged with obesity and type 2 diabetes but positively associated with TSH levels in humans**
Juan Añón-Hidalgo, Victoria Catalán, Amaia Rodríguez, Beatriz Ramírez, Camilo Silva, Juan C Galofré, Javier Salvador, Gema Frühbeck, Javier Gomez-Ambrosi
- EP-175** **Contamination: friend or foe? The extent and implication of contamination within RCT's of community-based child obesity prevention interventions**
Elizabeth Stamp, Holly Schofield, Victoria Laurina Roberts, Harriet Buswell, Wendy Burton, Michelle Collinson, June Stevens, Jane Nixon, Amanda Farrin, Harry Rutter, Maria Bryant
- EP-176** **Compliance to interdisciplinary group counselling sessions after bariatric surgery and relationship with weight loss**
Valerie Monpellier, Rene Wiezer, Eric Hazebroek, Jan Willem Greve, Ahmed Demirkiran, Ruben Van Veen, Ronald Liem, Ignace Janssen
- EP-177** **Comparative effectiveness of three methods for body composition assessment in the verification of manifestations of sarcopenia in obese patients**
Valeriia Alexandrovna Vasileva, Larisa Alexandrovna Marchenkova, Valeriy Nikolaevich Sergeev
- EP-178** **Jucara supplementation modifies the gut microbiota composition of mice treated with hyperlipidic diet**
Fernanda Pinheiro Silva, Danielle Araújo Miranda, Alessandra Silva Rischitelli, Felipe Avila, Ana Cláudia Losinkas Hachul, Valtter Tadeu Boldarine, Nelson Inácio Pinto Neto, Lidia Pontes, Paloma Korehisa Maza, Eliane Beraldi Ribeiro, Cláudia Maria Oller Do Nascimento, Veridiana Vera Rosso, Sara Cuadros, Lila Missae Oyama
- EP-179** **Training Needs Analysis: A VR Training Tool to Improve Weight-Related Communication Across Healthcare Settings**
Fiona Quigley, Anne Moorhead, Raymond Bond, Toni McAloon, Jane Zheng
- EP-180** **Study of the effect of nutritional support on the metabolic status of obese patients**
Svetlana Derbeneva, Antonina Starodubova
- EP-181** **Prevalence of overweight and obesity in Irish school children: The Childhood Obesity Surveillance Initiative**
Lachlan Mitchell, Silvia Bel Serrat, Isobel Stanley, Mirjam Heinen, Celine Murrin, Brian Mullen, Cecily Kelleher
- EP-182** **Long-term effects of vitamin D supplementation in obese children during integrated weight-loss programme - a double blind placebo controlled trial**
Michał Brzeziński, Agnieszka Jankowska, Magdalena Stomińska Frączek, Paulina Metelska, Piotr Wiśniewski, Piotr Socha, Agnieszka Szlagatys Sidorkiewicz
- EP-183** **Complex kinesiotherapy in muscle function and weight loss improving in obesity patients**
Valeriia Alexandrovna Vasileva, Larisa Alexandrovna Marchenkova, Michail Anatolyevich Eryomushkin
- EP-184** **Abstract withdrawn**
- EP-185** **How early is 'extreme early-onset obesity'? Results of comprehensive growth curve analysis to identify genetic obesity disorders based on age of onset of obesity**
Ozair Abawi, Lotte Kleinendorst, Lizette Blankers, Mieke M. Van Haelst, Bibian Van Der Voorn, Elisabeth F. C. Van Rossum, Erica L. T. Van Den Akker
- EP-186** **Comparison between body mass index and waist circumference in relation to cancer risk: preliminary results from a large population-based cohort study of spanish adults**
Martina Recalde, Veronica Davila Batista, Yesika Díaz, Michael Leitzmann, Isabelle Romieu, Heinz Freisling, Talita Duarte Salles

- EP-187** **Gastric emptying in Roux-en-Y Gastric Bypass with banded, extended and standard pouch**
Yonta Van Der Burgh, Laura Deden, Abel Boerboom, Baudewijn Hendrickx, Frits Berends, Bart Witteman, Theo Aufenacker, Eric Hazebroek
- EP-188** **Ovariectomy-induced menopause influences the cholesterol ester fatty acid composition of retroperitoneal adipose tissue in diet-induced obese rats, partially reverted by hormone replacement therapy**
Valter T Boldarine, Ellen Joyce, Amanda Pedrosa, Lila M Oyama, Claudia M O Nascimento, Allain A Bueno, Eliane B Ribeiro
- EP-189** **Interleukin-17 producing MAIT cells & the development of insulin resistance**
Ronan Bergin, David Kinlen, Declan Cody, Donal O'shea, Andrew F Hogan
- EP-190** **Impact of preoperative Very Low-Calorie Ketogenic Diet on Bariatric Surgery**
Ilaria Di Cintio, Valentina Vicennati, Nicola Salituro, Jennifer Malandra, Rita Teglia, Matteo Rottoli, Paolo Bernante, Uberto Pagotto, Silvia Garelli
- EP-191** **Association between body mass index and utility: post hoc analysis of the SCALE Obesity and Prediabetes trial and comparison with data from the Health Survey of England**
Sandra Lopes, Jennifer Gaultney, Pricil Kurian, Altynai Satylganova, Inger Smith, Cristina Ivanescu
- EP-192** **Characterization of body composition and health outcomes in former athletes with overweight/obesity**
Catarina L Nunes, Filipe Jesus, Catarina N Matias, Rúben Francisco, Miguel Cardoso, Bruno Rodrigues, Cristina Monteiro, Marlene N Silva, Eliana V Carraça, Inês Santos, Luís B Sardinha, Paulo Martins, Cláudia S Minderico, Analiza M Silva
- EP-193** **Anthropometric and nutritional evaluation of a school population in the north of Bogotá**
Ivan Aivasovsky, Sandra Rodriguez, Valentina Cajiao, Lina Castro, Carolina Prieto, Laura Munar, Luis Celis, Amparo Russi
- EP-194** **Paradoxical paradox: wall shear stress in the aorta is lower in patients with high atherosclerosis in both morbidly obese and non-obese individuals**
Sergey V Brodsky, Shahzeb Qaisar, Leon D Brodsky, Vedat Yildiz, Rolf Barth
- EP-195** **Immune markers of the effectiveness of a rotary diet for obesity in adults**
Tatyana Sentsova, Kamila Gapparova, Svetlana Denisova, Lidia Ilyenko
- EP-196** **Metabolic flexibility in overweight/obese adults with low or high hepatic fat content**
Jose E Galgani, Rodrigo Fernandez Verdejo, Pablo Olmos, Jose Luis Santos, Antonio Lopez, Pablo Irazazaval
- EP-197** **Liraglutide as a successful weight reduction therapy in various types of obesity including morbid obesity in patients with high cardiovascular risk according to the SCORE/SPAIN scale associated with Mediterranean diet and exercise**
Christian Leyva Prado, María Pérez Tristanchó, Miguel Raffo Márquez, Eduardo Espinosa Guzman, Alejandro García Muriel
- EP-198** **Usefulness of Relative Fat Mass (RFM) Equation in Korean Adults**
Seon Yeong Lee, Mijee Lee
- EP-199** **Computed tomography-defined visceral adipose tissue thresholds for identifying metabolic complications: a cross-sectional study in the United Arab Emirates**
Sunmi Yoo, Myung Whun Sung, Hongdae Kim
- EP-200** **Initial body weight affects body weight loss at 3 and 6 months, using complex psychotherapy method**
Roman Anatolyevich Tyutev, Anastasia Victorovna Sharypova, Elena Gennadyevna Maleeva
- EP-201** **The effects of 2-year consumption of a new Nordic diet on weight loss maintenance in subjects with obesity – a randomised controlled intervention study**
Åsa Sedin, Mona Landin Olsson, Lieselotte Cloetens
- EP-202** **A qualitative exploration of successful adherence during a total meal replacement diet among participants with class III obesity**
Gabrielle Maston, Alexandra Lonergan, Janet Franklin, Alice A Gibson, Elisa Manson, Samantha Hocking, Amanda Sainsbury, Tania P Markovic
- EP-203** **Gastric bypass and age as most relevant predictors of weight loss after bariatric surgery in subjects with morbid obesity**
Flores Martin Reyes, María Dolores Alvarez Bermudez, Isaac Jesús Plaza Andrades, Mónica Tome, Araceli Muñoz Garach, Montserrat Gonzalez, Eduardo Garcia Fuentes, Francisco J Tinahones, Lourdes Garrido Sanchez
- EP-204** **Supraclavicular proton density fat fraction (PDFF) correlates with cold-induced thermogenesis in lean/normal-weight individuals**
Cora Held, Daniela Junker, Mingming Wu, Lisa Patzelt, Laura Mengel, Hans Hauner, Dimitrios C. Karampinos

- EP-205** Does an antenatal lifestyle intervention in routine care improve maternal and infant health outcomes in the first year postpartum? – 12 months follow-up of the cluster-randomised GeliS trial
Julia Hoffmann, Julia Günther, Lynne Stecher, Monika Spies, Dorothy Meyer, Roxana Raab, Kristina Geyer, Julia Kunath, Kathrin Rauh, Hans Hauner
- EP-206** Effects of ice-water swimming on plasma metabolome in cold-acclimatized individuals
Zuzana Kovaničová, Tímea Kurdiová, Miloslav Karhánek, Barbara Ukropcová, Jozef Ukropec
- EP-207** Altered Natural Killer cell metabolism drives defective anti-tumour responses in children & adults with obesity
Nidhi Kedia Mehta, Marta Pisarska, Laura Tobin, Meenal Mavinkurve, Declan Cody, David Finlay, Donal O'shea, Andrew Hogan
- EP-208** Baker's yeast (1->3)- β -D-glucan improves insulin sensitivity and alters hepatic metabolic functionality in mice humanized with obese type 2 diabetic microbiome
Kathleen A.J. Mitchelson, Tam T.T. Tran, Eugene T. Dillon, Elena de Marco Castro, Klara Vlckova, Cara M. Hueston, Helen M. Roche, Paul W. O'Toole
- EP-209** An epigenetic signature of obesity-related breast cancer is reflected in leucocytes and associated with Mediterranean dietary pattern
Paula M Lorenzo, Andrea G Izquierdo, Angel Diaz Lagares, Marcos C Carreira, Manuel Macias Gonzalez, Juan Cueva, Rafael Lopez Lopez, Felipe F Casanueva, Ana B Crujeiras
- EP-210** Rate and determinants of excessive fat-free mass loss after bariatric surgery
Malou Nuijten, Valerie Monpellier, Thijs Eijsvogels, Ignace Janssen, Eric Hazebroek, Maria Hopman
- EP-211** Haploinsufficiency of zinc finger like protein 9 (ZPR9) causes late-onset obesity and impaired glucose and lipid metabolism in mice
Hyunjung Ha, Hyun A Seong
- EP-212** Total Diet Replacement products that help deliver diabetes remission are to be non-viable in 2022 after EU legislative changes to dietary compositional criteria: a feasibility study
Kelly L Johnston, Anthony R Leeds
- EP-213** The effect of overweight on health-related quality of life in adult patients with Crohn's disease
Iolanda Cioffi, Olivia Di Vincenzo, Nicola Imperatore, Delia Morlino, Lidia Santarpia, Enza Speranza, Rosa Sammarco, Maurizio Marra, Fabiana Castiglione, Fabrizio Pasanisi
- EP-215** Accumulation of body fat may weaken the inhibitory effect of fat mass on energy intake in women
Nuno Casanova, Kristine Beaulieu, Pauline Oustric, Dominic O'connor, Catherine Gibbons, John Blundell, Graham Finlayson, Mark Hopkins
- EP-216** GLP-1 enhancement anticipates insulin resistance reduction during diabetes remission after bariatric surgery
Ekaterina Shestakova, Igor Sklyanik, Anna Panevina, Anatoly Yurasov, Kamil Yah'yaev, Andrey Karmadonov, Marina Shestakova
- EP-217** Predicting weight-loss using differential equations (PRELUDE)
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Sarahjane Belton, Wesley O' Brien, Bronagh Mc Grane, Danielle Powell, Jamie Mc Gann, Johann Issartel
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- EP-331** **Bifidobacterium animalis ssp. lactis 420 with and without polydextrose modulates gut-liver axis communication, and increases the prevalence of Akkermansia in a multi-compartmental obesogenic mice study**
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- EP-332** **The Aneurin Bevan University Health Board (ABUHB) Level 3 Multidisciplinary (MDT) Adult Weight Management Service: Analysis of weight change during 2 years of treatment**
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- EP-333** **The impact of variable dietary phosphorus levels on body composition and energy metabolism in sedentary and active rats**
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- EP-335** **Barriers and facilitators to adoption, implementation and sustainment of obesity prevention interventions in schoolchildren – a DEDIPAC case study**
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- EP-336** **The effect of acute intermittent hypoxia on postprandial lipid metabolism**
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- EP-338** **Relationship between BMI, Fat Mass and Metabolic Parameters in obese patients after sleeve gastrectomy**
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- EP-339** **CPT1A and FASN expression in peripheral blood mononuclear cells reflects an altered lipid metabolism in overweight and obese subjects and its recovery after weight loss intervention**
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- EP-340** **The co-design of an adolescent health literacy questionnaire for young people: A description of a participatory and equity-driven approach**
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- EP-342** **Potential role of myo-inositol ingested during lactation in the improvement of metabolic health in adulthood**
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- EP-343** **Experiences of Exercise, Healthy Eating and Quality of Life During and Following Pregnancy in Overweight and Obese Postpartum Women**
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- EP-344** **The Start childhood obesity campaign on the island of Ireland: supporting parents to change behaviours**
Charmaine Ida McGowan, Marian O'Reilly, Aileen McGloin, Sarah Obrien
- EP-345** **Do women who are overweight compensate for intended diet-induced weight loss through changes in non-exercise physical activity, sedentary behaviour or appetite?**
Anna Myers, Nicola Buckland, Catherine Gibbons, Graham Finlayson, John Blundell
- EP-346** **Morning chronotype is associated to Mediterranean Diet in subjects with obesity**
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- EP-347** **Weight control and obstetric outcomes in assisted reproduction**
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- EP-348** **An acute bout of swimming increases post-exercise energy intake in young healthy men and women**
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- EP-349** **Moderate degree of fibrosis in subjects with obesity and normal liver function: association with indices that predict liver steatosis and low grade inflammation**
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- EP-351** **Associations between child polygenic risk for BMI and parental feeding**
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- EP-352** **The Co-Design of an Interactive and Engaging Health Literacy Lab Experience**
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- EP-354** **Actively Involving Parents for Childhood Obesity Prevention Through a School-Based Challenge Intervention**
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- EP-359** **Presentation of gross motor difficulties in children with overweight / obesity in comparison to those with healthy weights within a Primary Care Physiotherapy service**
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- EP-360** **Retinol-binding protein 4 in subjects with obesity: relationship between dietary components and non-alcoholic fatty liver disease risk factors**
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- EP-361** **The TREating Liver Study: Preliminary Findings of a 'Time Re-focused Eating' Feasibility Study for Obesity and Non-Alcoholic Fatty Liver Disease**
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- EP-362** **Associations between appetitive behaviours and body mass index in childhood: a cross-lagged analysis in the Generation XXI birth cohort**
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- EP-363** **BEhavioural Weight Management: COMponents of Effectiveness (BE:COME)**
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- EP-366** **The DSM-5 indicators of loss of control eating: the utility for the bariatric surgery population**
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- EP-367** Methionine intake, insulin resistance and liver status in subjects with nonalcoholic fatty liver disease: the FLiO study
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- EP-368** Dietary Habits, Food Security and Related Health and Wellbeing in the Homeless Population
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- EP-369** Vitamin D status and its relationship with metabolic and bone parameters in obese women
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- EP-370** Effect of significant weight loss by very low-calorie ketogenic dietary intervention on male obesity secondary hypogonadism and sexual function
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- EP-373** Association of Night Eating Syndrome with rs17782313 MC4R gene polymorphism in Chilean adults by nutritional status
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- EP-374** The Cambridge Intensive Weight Management Programme: obesity service re-evaluation in Cambridgeshire 2018-2019
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- EP-375** Obesity prevalence among the largest Latino Populations in New York City
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- EP-376** Which bariatric procedure should I choose? The metabolic benefits of differing surgical approaches to treat obesity
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- EP-378** Does Restricted Access to Bariatric Care Influence Outcomes of a Structured Lifestyle Modification for Patients with Severe and Complicated Obesity?
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- EP-379** Knowledge and confidence of nutrition, gestational weight gain, and physical activity advice for pregnancy amongst Midwives and Obstetricians: Provisional findings
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- EP-380** 'When do we say Oh well you are going to die young but why hey and when do we decide to do something about it? Childhood obesity - a child protection concern or a step too far?
Pete Nelson, Catherine Homer, Paul Bissell, Vanessa Powell Hoyland, Lee Pollard
- EP-381** The role of obesity onset on hepatic markers of women with severe obesity
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- EP-382** Analysis of clinical characteristics and hyperphagia in individuals with rare genetic disorders of obesity
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- EP-383** Transition from pediatric to adult care in childhood obesity
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- EP-384** The relationship between body composition, physical activity and social-emotional functioning in kindergarten-aged children: data from the Ramping up Neurocognition (RUN) study
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- EP-385** Histomorphometric and metabolic liver changes in female Lewis rats depending on the diet and retinoic acid application
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- EP-386** A cross-sectional analysis of the relationship between body composition and cognition in kindergarten-aged children: The Ramping up Neurocognition (RUN) study
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- EP-394** **NASH-associated cirrhosis is a completely resolved issue by only weight loss and life style changes in human**
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- EP-395** **Nutritional Status of the Patients With Chronic Liver Disease are More often Overlooked During Clinical Observations**
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- EP-398** **Visceral adiposity and oxidative stress in children and adolescents: Relationship to vitamin D**
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- EP-402** **Anthropometric and body composition parameters associated with improvement of obesity-related complications after laparoscopic sleeve gastrectomy**
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- EP-403** **Indirect calorimetry versus Predicted formulas to measure Resting Energy Expenditure in clinical practice**
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- EP-404** **Abstract withdrawn**
- EP-405** **An innovative multidisciplinary study into the influence of current nutritional and supplementation advice on oral health after Bariatric surgery**
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- EP-406** **Links between appetite regulating peptides and osensory perception of lipids after bariatric surgery in human**
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- EP-408** **Relation of dietary patterns and nutritional profile to hepatic fibrosis in a sample of Lebanese Non-Alcoholic Fatty Liver Disease patients**
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- EP-409** **Obesity combined with ageing impairs the functional abilities of the knee extensor muscles during isometric and concentric contractions in women**
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- EP-410** **Effect of body weight on brain structure and cognitive functions 6 months after Roux-en-Y gastric bypass. Preliminary results of the BARICO study**
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- EP-411** **Intercommunication between serum vitamin D concentration and the body mass index**
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- EP-415** **Mothers and adolescents' experience regarding an online intervention for adolescents with overweight and obesity: a pilot study**
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- EP-416** **Association between urinary biomarkers for exposure to volatile organic compounds and obesity and body composition in schoolchildren**
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- EP-418** **Trends and distribution of overweight and obesity in Hungarian Seening and Public Health Promotion Program 2010-2020-2030**
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- EP-419** **Chromosomal microarray analysis as a diagnostic test for genetic obesity disorders – Yield in a pediatric cohort and identification of novel obesity candidate genes**
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- EP-420** **The Cardiovascular Health of Current Field-Based Athletes; A Systematic Review and Meta-Analysis**
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- EP-421** **Differences in Visceral Adipose Tissue Profiles in Professional Rugby Players Across a Season by Playing Position: The Risk of Supersizing Athletes**
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- EP-423** **Resolution of hepatic steatosis and T2D remission in an obese patient through a multidisciplinary weight loss program with very low-calorie-ketogenic diet**
Adriana Moretti, Veronica Jordao Coelho, Livia Lugarinho Correa, Germán Guzmán Rolo, Ignacio Sajoux

- EP-424** **Association between time restricted feeding and metabolic outcomes in a cohort of Italian adults**
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- EP-425** **Relationship between obesity and lifestyle, health and sociodemographic factors among adults participating in cardiovascular disease prevention program**
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- EP-427** **A dietary pattern associated with lower total cholesterol in two teenage European populations**
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- EP-429** **Idiopathic Intracranial Hypertension is a serious co-morbidity associated with Obesity in Children and Young People**
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- EP-430** **Reversal of Steatohepatitis following GLP-1 Agonist Therapy in an Adolescent with Severe Obesity**
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- EP-433** **Liraglutide is safe and effective for weight loss in adolescents with severe obesity**
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- EP-434** **Combined high-intensity interval training circuit in the management of adolescent overweight**
Antonio Videira Silva, Luis Bettencourt Sardinha, Helena Fonseca
- EP-435** **Program "6-10-14 for Health" - as an example of an interdisciplinary model of care for a patient with excess body weight**
Paulina Matelska, Michał Brzeziński, Marek Jankowski, Daria Miroslawska
- EP-436** **TCF20 mutation leading to Overgrowth and Diabetes Mellitus in an Adolescent girl managed successfully with GLP-1 agonist Therapy**
Louise Apperley, Karen Erlandson Parry, Lucy Gait, Peter Laing, Poonam Dharmaraj, Senthil Senniappan
- EP-437** **Echocardiography and ergospirometry parameters in patients with obesity and type 2 diabetes mellitus**
Olga Shatskaya, Svetlana Kukhareenko, Maya Yadihinskaya, Elena Drozdova, Aleksandra Panurina, Aleksandra Kudryashova, Kirill Popov, Irina Bondarenko
- EP-438** **Change in natriuresis and blood pressure after weight loss intervention: a single center retrospective study**
Juul Meurs, Nicolas De Sutter, Eveline Dirinck
- EP-439** **Examining the implications of dietetic concerns at assessment for weight loss surgery**
Amanda Villiers-Tuthill, Lauren Devereux, Katie McCarthy, Cathy Breen, Karen Gaynor, Natalie Wallace, Jean O'Connell, Donal O'Shea
- EP-440** **Obesity-associated t-cell and macrophage activation is partly reversible by lifestyle intervention**
Eline Sofia Van Der Valk, Isabel J.b. Van Der Zalm, Vincent L. Wester, Nicole M.a. Nagtzaam, Elisabeth F.c. Van Rossum, Pieter J.m. Leenen, Wim A. Dik
- EP-441** **The experience of rehabilitation of the comorbid patient with an acute myocardial infarction (ami) in the setting of type 2 diabetes mellitus (dm2) and obesity**
Valeriia Alexandrovna Vasileva, Larisa Alexandrovna Marchenkova
- EP-442** **Study of The Prevalence of Obesity in Non-diabetic and Diabetic Population**
Malay Nitinkumar Parekh, Banshi Saboo, Dharmendra Panchal, Rutul Goklani, Vipul Chawda, Dhruvi Hasnani, Smita Shah, Shruti Sheth, Vidisha Patel, Akash Prajapati

- EP-443** **Is chronic hypercortisolism in obesity explained by increased activity of the arginine vasopressin system?**
Eline Sofia Van Der Valk, Bibian Van Der Voorn, Anand M Iyer, Sjoerd A.a. Van Den Berg, Mesut Savas, Yolanda B. De Rijke, Erica L.t. Van Den Akker, Olle Melander, Elisabeth F.c. Van Rossum
- EP-444** **Connections of risk factors and co-morbidities by different obesity parameters by age and gender in Hungarian Screening and Public Health Promotion Program 2010-2020-2030**
Eszter Halmy, András Paksy, Tennó Daiki, Gergely Dankovics, István Barna
- EP-445** **Fecal microbiota composition is not affected by 12-week combined polyphenol supplementation, but is associated with metabolic parameters in overweight and obese men and women**
Kelly M. Jardon, Gijs H. Goossens, Jasper Most, Koen Venema, Ellen E. Blaak
- EP-446** **Tackling Promotions of Discretionary Foods: a lesson in evidence and influence in Scotland**
Lorraine Tulloch, Anna Gryka Macphail
- EP-447** **Ad libitum dietary intake in patients with craniopharyngioma; preliminary data from a feasibility study of eating behaviour**
Fiona E Lithander, Rebecca L Elsworth, Nimra Naeem, Ruth Elson, Tashunka Taylor Miller, Kruthika Narayan, Julian P Hamilton Shield, Elizabeth C Crowne, Eleanor C Hinton
- EP-448** **New reference values for body composition by bioelectrical impedance analysis in the obese patients: results from a large cohort**
Raffaella Cancellò, Simone Perna, Mariangela Rondanelli, Davide Soranna, Antonella Zambon, Simona Bertoli, Calogero Vinci, Paolo Capodaglio, Jacopo Talluri, Hank Lukaski, Amelia Brunani
- EP-449** **Weight loss experience at the time of entry into a UK Tier 3 obesity service**
Lucy Clark, Katarina Kos
- EP-450** **Modulating inflammatory cytokine levels – IL-1 β , IL-6, TNF- α and CRP in healthy subjects by Sambucus ebulus tea intake**
Yoana Dimitrova Kiselova Kaneva, Diana Georgieva Ivanova, Bogdan Hadjiev Roussev, Ayshe Seyhan Salim, Minka Hristova Alexandrova, Milka Asparuhova Nashar
- EP-451** **The everyBODY pilot study – A randomised controlled trial to investigate weight bias internalisation in young women**
Isabel Young, Helen Parker, Kate Steinbeck, Natalie Crino, Helen O'connor
- EP-453** **Correlation between place and urbanization grade of residence and obesity in children at 7 years of age in the Czech Republic (COSI project 2019), preliminary results**
Radka Taxová Braunerová, Tereza Metelcová, Bohuslav Procházka, Anežka Malechová, Jana Vignerová, Jana Pařízková, Martin Hill, Hana Zamrazilová, Marie Kunešová
- EP-454** **The main growth indices of Lithuanian first-graders: changes over a decade**
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- EP-455** **Relevance of intervention with Gelesis100 in overweight and mild obesity: a subgroup analysis of the pivotal GLOW study**
Livio Luzi, Anne Raben, Arne Astrup, Erika Matejkova, Stepan Svacina, Lucio Gnessi, Santiago Navas Carretero, J Alfredo Martinez, Frank L Greenway, Louis J Aronne, Caroline M Apovian, James O Hill, Lee M Kaplan, Ken Fujioka, Christopher D Still, Lorien E Urban, Harry Leider, Hassan M Heshmati
- EP-456** **Effects of obesity in glucose sensing and hypothalamic enzyme Idh-a**
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- EP-457** **Co-designing a childhood obesity management service for First People in Australia: challenges and champions in the Making Tracks in Children's Health (MaTCH) needs assessment**
Lauren Therese Williams, Lisa Vincze, Mari Somerville, Robyn Littlewood, Heidi Atkins
- EP-458** **Gender difference of the relationship between body fat indices and estimated glomerular filtration rate in Koreans**
Kyoung Kon Leonard Kim, Se Won Kim, Jae Hyun Chang
- EP-459** **Comprehensive analysis of safety and tolerability of Gelesis100 in overweight and obesity in the pivotal GLOW study**
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- EP-460** **Potential predictors of weight response after bariatric surgery**
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- EP-461** **Effect of sleep duration manipulation and cognitive demand on hunger and energy intake: A Sleep Manipulation in Adolescents at Risk of Type 2 Diabetes (SMART2D) study**
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- EP-462** **Determining factors for maintaining long-term healthy weight, perceived by obese people recovered. Qualitative study**
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- EP-463** **Disaster risks identified by people with high body mass: a qualitative study**
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- EP-468** **Type Two Diabetes Patient in Remission After Twelve Years of Diagnosis**
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- EP-469** **Progressive weight gain to a BMI of 89 kg/m2 following a road traffic accident: a collusion of nature and nurture?**
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- EP-470** **Association Between Intensity and Frequency of Physical Activity and the Risk of Hypertension in Korea**
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- EP-472** **The correlation between weight status and cardiovascular autonomic neuropathy in a type 2 diabetes mellitus population**
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- EP-473** **Macronutrients contribution to the dietary energy of adult Russians with overweight and obesity**
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- EP-499** **Two years on, and what has changed? Awareness of marketing for HFSS foods, consumption of HFSS foods, and adolescent BMI in the two waves of the Youth Obesity Policy Survey**
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- EP-500** **Prevalence of obesity and metabolic waist in diabetic patients from a rural Area in the south part of Romania - Călărași County**
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- EP-501** **Development, implementation and early results of a 12-week web-based intervention targeting 51 children age 5-13 years and their families**
Annelie Thorén, Annika Janson, Erling Englund, Sven Arne Silfverdal
- EP-503** **Healthy eating advice for 1–5 year old children: little room for foods high in fat and sugar**
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- EP-504** **Grape polyphenols ameliorate the muscle quality in aged rats. A possible tool for the management of sarcopenic obesity**
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- EP-505** **Feasibility testing and process evaluation of Healthy Habits, Happy Homes Scotland (4HS); a home-based early childhood obesity prevention intervention**
Jenny Gillespie, Adrienne R Hughes, Ann Marie Gibson, Jess Haines, Laura Stewart, John J Reilly
- EP-506** **Pro-inflammatory adipose tissue macrophages are associated with insulin resistance in morbidly obese subjects**
Martha Eimstad Haugstøl, Kristina Strand, Natalie Stiglund, Victoria Puntervold Langhelle, Zahra Kamyab, Gunnar Mellgren, Niklas Björkstöm, Johan Fernø
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- EP-508** **Long-term effects of a primary weight gain prevention intervention among healthy weight obesity susceptible children. Results from the Healthy Start study**
Nanna Julie Olsen, Sofus Christian Larsen, Berit Lilienthal Heitmann
- EP-509** **Relationship between educational level and incidence of obesity among adults in abeokuta, ogun state, nigeria**
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- EP-511** **Measuring the proportion of digital market focusing on foods high in fat, salt and sugar: need for urgent policy attention to protect children and young people**
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- EP-512** **Extra virgin olive oil or red wine polyphenols improve metabolic status, reduce low-grade inflammation and induce major changes of the gut microbiome and TMAO levels: a randomized cross-over trial**
Lidia Sánchez Alcolado, Bruno Ramos Molina, Raúl González Domínguez, Daniel Castellano Castillo, José Carlos Fernández García, Fernando Cardona Díaz, María Isabel Queipo Ortuño
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- EP-514** **Perspectives of parents of children attending a paediatric weight management clinic in the UK without clinically significant weight loss in: A qualitative thematic analysis**
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- EP-515** **Semen quality improvement after weight loss by very low-calorie ketogenic dietary: case report of two cases**
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- EP-521** **Transgender fat turning obese men into hormonal women: study of gender-related changes in body composition during weight loss program**
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- EP-525** **Contribution of Ethnicity, Sex, and Age to the Relationship between Obesity and Mortality: Analyses from the U.S. National Health and Nutrition Examination Survey (NHANES)**
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- EP-526** **The role of dentists in the prevention and treatment of obesity: a UK survey**
Jilly Gibson Miller, Alison Loescher, Zoe Marshman
- EP-527** **The Israeli National Pediatric T2DM Study Interim Results: Is The Metabolic Syndrome Part of the Diagnosis?**
Nehama Zuckerman Levin, Meidan Cohen, Rami Tibi, Yardena Tenenbaum Rakover, Eli Hershkovitz, Orit Pinhas Hamiel, David Zangen, David Strich, Mariana Rachmiel, Yonatan Yeshayahu, Floris Levy Khademi, Moshe Philip, Ilana Koren, Tali Ben Ari, Naim Shehadeh
- EP-528** **Role of the miRNAs in HUVECs depending on the type of diet (Extra Virgin Olive Oil vs. Sunflower Oil)**
Concepción Santiago Fernández, Rocío Bautista, Flores Martín Reyes, Isaac Plaza Andrades, Josefa Gómez Maldonado, Mónica Tomé, Ernesto Marín, Eduardo García Fuentes, Francisco José Tinahones, Lourdes Garrido Sánchez
- EP-529** **Serum concentrations of irisin on body composition in exercised obese rats**
Vanessa De Oliveira Furino, João Manoel Alves, Diego Adorna Marine, Cynthia Aparecida De Castro, Carla Nascimento Dos Santos Rodrigues, Marcela Sene Fiorese, Jefferson Américo Teixeira, Marco Antônio De Lima, Cristina Arrais Lima, Ana Cláudia Garcia De Oliveira Duarte
- EP-530** **Association of infant weight at 1-year with mode of delivery, feeding practice and number of siblings: A case-control study in Primary Health Care Centers, Dubai, United Arab Emirates**
Aisha Yousuf, Simon Williams, Kulaithem Saif Al Mazrouei
- EP-531** **Liver fat, visceral fat and total body fat as mediators in the associations of physical activity and sedentary time with insulin resistance**
Jeroen Van Der Velde, Esther Van Ekel, Sebastiaan Boone, Hildo Lamb, Frits Rosendaal, Renée De Mutsert1
- EP-532** **Beliefs against obesity: comparative between health professionals with the BAOP scale**
Silvia Mauri Roca, Rebeca Barahona San Millan
- EP-533** **Initial findings from an investigation into attrition in an NHS Weight Management Service**
Jordan Everitt, Dan Higgs, Enzo Di Battista, Amanda Squire

- EP-534** Age- and gender-dependent differences of obstructive sleep apnea in adult patients with obesity
Mariya Igorevna Fadeyeva, Larisa Viktorovna Savel'eva
- EP-535** Can Obesity associated lipid dysregulation affect Asthma?
Michael Duffy, Donal O'shea, Cormac Mccarthy
- EP-536** Macronutrients intake and markers of cardiometabolic risk in obese adolescents
Matilde Amatruda, Sara Vizzuso, Giuseppe Banderai, Chiara Mameli, Gian Vincenzo Zuccotti, Elvira Verduci
- EP-537** Comparable effects of Roux-en-Y gastric bypass and sleeve gastrectomy on weight loss, glycemia, and lipid profile after 10 years: a single center experience
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- EP-538** Identifying underlying medical causes of pediatric obesity: results of a systematic diagnostic approach in a tertiary obesity center
Ozair Abawi, Lotte Kleinendorst, Bibian van der Voorn, Annelies E. Brandsma, Elisabeth F.C. Rossum, Mieke M. van Haelst, Erica L.T. van den Akker
- EP-539** Dieteary and lifestyle pattern in relation to overweight and obesity among type 2 diabetes patients
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- EP-540** Serum concentrations of irisin and its relationship to intracranial pressure in obesity
Vanessa De Oliveira Furino, João Manoel Alves, Diego Adorna Marine, Cynthia Aparecida De Castro, Carla Nascimento Dos Santos Rodrigues, Marcela Sene Fiorese, Jefferson Américo Teixeira, Marco Antônio De Lima, Cristina Arrais Lima, Ana Cláudia Garcia De Oliveira Duarte
- EP-541** EndoBarrier® treatment in obese subjects with uncontrolled diabetes: from immediate effects on glucose metabolism to sustained weight loss and improved glycemic control through 52 weeks of therapy and 24 weeks post device retrieval
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- EP-542** Back on track: a qualitative process evaluation of an intervention for weight regain after bariatric surgery
Vera Voorwinde, Sahar Moukadem, Maartje Van Stralen, Ignace Janssen, Valerie Monpellier, Ingrid Steenhuis
- EP-543** Pregnancy after vertical sleeve gastrectomy in a rodent model: does the maternal immune environment present challenges in utero and beyond?
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- EP-544** Gut microbiota signatures of metabolic syndrome and cardiovascular risk in children with obesity. A pilot study
Melania Manco, Federica Del Chierico, Alessandra Russo, Marzia Bianchi, Valentina Tortosa, Blegina Shahsaj, Andrea Quagliariello, Danilo Fintini, Lorenza Putignani
- EP-545** The impact of the Active School Flag initiative on children's physical literacy
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- EP-547** Ultra-processed foods consumption and cardiometabolic health outcomes in childhood: a longitudinal approach
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- EP-548** Using the Stomach to Drain Heat Calories; A Novel Treatment for Obesity
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- EP-549** Perception of body and sexual attractiveness based on conscious emotion control in relation to body mass
Katarzyna Wyskida, Daniel Stadnik, Agnieszka Sokalska, Mateusz Glinianowicz, Monika Bąk Sosnowska, Magdalena Olszanecka Glinianowicz
- EP-550** Association between proton density fat fraction and resting metabolic rate in humans: no contribution by the FTO genotype
Theresa Drabsch, Daniela Junker, Lynne Stecher, Jan Syväri, Hans Hauner, Dimitrios Karampinos, Christina Holzapfel
- EP-551** Changes in body composition of a six months ketogenic diet in obese subjects
Marco Ricchio, Valentina Forte, Federica Giofrè, Stefania Lucà, Maria Chiara Pelle, Bruno Tassone, Isabella Zaffina, Antonella Accoti, Gaetano Gorgone, Franco Arturi

- EP-552 Factors associated with the development of excess adiposity in Irish children**
Aisling O'Donnell, Maria Buffini, Laura Kehoe, Anne Nugent, John Kearney, Janette Walton, Albert Flynn, Breige McNulty
- EP-553 Total energy expenditure in adults with severe obesity and low levels of activity exceeds the energy expenditure they would have at ideal body weight and higher levels of physical activity**
Grace Mannion, Francis M Finucane
- EP-554 Effect of birth weight and breastfeeding duration on obesity prevalence in 7 years old children in the Czech Republic (COSI project 2019), preliminary results**
Marie Kunesova, Radka Taxová Braunerová, Tereza Metelcová, Anežka Malechová, Bohuslav Procházka, Jana Vignerová, Jana Pařízková, Martin Hill, Hana Zamrazilová
- EP-555 Temperamental conditioning and control of emotions in relation to body mass**
Katarzyna Wyskida, Zofia Kampka, Krolina Koziel, Szymon Pokora, Przemysław Urbaniec, Agata Kasprzyk, Mateusz Glinianowicz, Monika Bąk Sosnowska, Magdalena Olszanecka Glinianowicz
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Katarzyna Wyskida, Michał Twarek, Jakub Maciurzyński, Ewa Łapczyńska, Paulina Kosińska, Katarzyna Klimek, Mateusz Glinianowicz, Monika Bąk Sosnowska, Magdalena Olszanecka Glinianowicz
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Katarzyna Wyskida, Tomasz Biernat, Maksymilian Macherski, Konrad Kamiński, Sylwia Kozak, Mateusz Glinianowicz, Monika Bąk Sosnowska, Magdalena Olszanecka Glinianowicz
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Maria Manuel Silva, Fernando Mendonça, Eva Lau, Selma Souto, Paula Freitas, Davide Carvalho
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- EP-562 Overweight and obesity in Sweden – an assessment of the prevalence and trends**
Kenisha Russell Jonsson, Lena Hansson, Marita Friberg, Pia Lindeskog
- EP-563 Early Adulthood Excess Weight Predictors – COPAT Project, 2nd Round**
Hana Zamrazilova, Marketa Vankova, Marie Kunesova, Radka Taxova Braunerova, Irena Aldhoon Hainerova, Vojtech Hainer
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- EP-565 Effect of physical activity on the association of MC4R and LEP genes polymorphisms and obesity**
Janina Petkeviciene, Alina Smalinskiene, Asta Raskiliene, Vilma Kriaucioniene
- EP-566 Effectiveness of a very low calorie ketogenic diet with meal replacements on body weight and composition**
Yeganeh Manon Khazrai, Claudia Di Rosa, Greta Lattanzi, Chiara Spiezia, Ivan Beato, Domenico Benvenuto, Silvia Manfrini
- Obesity classification according to Body mass index and bioimpedance in patients with and without type 2 diabetes**
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- EP-570 Multi-Ethnic Comparison of Age-Related Body Composition Differences in Children**
Angelo Pietrobelli, Miyuki Nishizawa, Toshiki Nagahama, Tomoko Miyama, Steven B Heymsfield

- EP-571** The relationship between learning difficulties and child emotional and behavioural adjustment in a sample of overweight children in Crete, Greece
Maria Sifaki, Anastasia Markaki, Fotini Faragitaki, Maria Petrou, Marianna Stamatadi, Eleftheria Papadopoulou
- EP-572** Screening for heart failure in bariatric patients > 50 years old: is thorough assessment of all patients before surgery recommended?
Sophie L. van Veldhuisen, Gijs van Woerden, Martin E.W. Hemels, Michiel Rienstra, Dirk Jan van Veldhuisen, Eric J. Hazebroek
- EP-573** Brown adipose tissue [18F]FDG uptake in adults & anthropometric, metabolic and seasonal factors
Lúcia Fadiga, Paula Soeiro, Rodolfo Silva, Diana Catarino, Joana Saraiva, Paula Lapa, Gracinda Costa, Dírcea Rodrigues, João Pedroso De Lima, Isabel Paiva
- EP-574** The characteristics and importance of a common dieting period for the obese couple
Ioannis Georgios Nikitidis
- EP-575** Plant-Based Diet-Associated Body Composition Improvement Among Obese Women
Elena Livantsova, Yurgita Varaeva, Svetlana Kosyura, Antonina Starodubova
- EP-576** Impact of obesity on the validity of body surface area (BSA) predicted by standard equations and measured by whole-body Magnetic Resonance Imaging
Wiebke Braun, Diana König, Manfred James Müller, Boyd Strauss, Anja Bosy Westphal
- EP-577** Efficacy Of Meal Replacement Dietary Approach In Relation To Adiposity And Purine Metabolism Disturbances
Elena Livantsova, Yurgita Varaeva, Svetlana Kosyura, Antonina Starodubova
- EP-578** Changes in lipoprotein subfractions after weight-lowering program in obese and extremely obese patients
Adela Penesova, Zofia Radikova, Andrea Havranova, Jana Babjakova, Miroslav Vlcek, Richard Imrich
- EP-579** Motivations to follow a low-carbohydrate diet in a sample of UK adults – a cross-sectional online survey
Chaitong Churuangsuk, Michael E.J. Lean, Emilie Combet
- EP-580** Association between sleep duration, body mass index and eating behaviour at 5 years old: findings from the ROL0 longitudinal study
Anna Delahunt, Aisling A Geraghty, Eileen C O'Brien, Sharleen O'Reilly, Fionnuala M McAuliffe
- EP-581** Outcomes of a digitally delivered behaviour change platform in patients with type 2 diabetes in the Republic of Ireland – results from the Low Carb Program
Tara Louise Kelly, Peter Foley, David Unwin
- EP-582** Obesity onset on early ages is a predictive factor for higher TG / HDL-c values in women with severe obesity and Metabolic syndrome
Nayra Figueiredo, Marcela De Oliveira Queiroz, Karem Lays Soares Lopes, Gabriela Girade, Paula Ribeiro Toscano De Brito, Giovana Tassinare Caixeta, Luciana Oliveira E Silva, Valeria De Souza Abreu, Juarez Távora De Siqueira Junior, Ana Raimunda Dâmaso, João Felipe Mota, Flavia Campos Corgosinho
- EP-583** Association of anthropometric changes with metabolic parameters as an indicator of success in patients undergoing bariatric surgery. Real life study at 5 years follow-up
Martha Kaufer Horwitz, Diego Cadena Obando, Carolina Quintal Chan, Emma Chávez Manzanera, Bibiana Orozco Martin, Fernando Pérez Hernández
- EP-584** 'Absorbing the shock': Food scarcity and eating behaviours within the context of in-work poverty in North East England
Hannah Poulter, Judith Eberhardt, Helen Moore, Sula Windgassen
- EP-585** Anti-inflammatory effects of oleic acid and anthocyanin in THP-1 monocytes and macrophage-like cells: In vitro study
Aline B Santamarina, Luciana P Pisani, Ella J Baker, Andreea D Marat, Lila M Oyama, Philip C Calder
- EP-586** Ginkgo biloba extract (GbE) modulates gut microbiota of diet-induced obese rats
Bruna Hirata, Alexandre Hild Aono, Meira Machado, Reginaldo Massanobu Kuroshu, Lila Missae Oyama, Cristina Viana Niero, Monica Marques Telles
- EP-587** Obesity prevalence and self reported dietary diversity of a deep rural community in KwaZulu-Natal, South Africa
Jandri Elizabeth Barnard, Susanna Maria Kassier
- EP-588** Policy Evaluation: a comprehensive European approach by the JPI HDHL Network PEN
Antje Hebestreit, Celine Murrin, Gert Mensink, Karim Abu Omar, Pen Consortium
- EP-589** Effects of resistance band training and body weight training on selected health parameters of pre-hypertensive adults
Kai Quin Chan, Eng Hoe Wee, Man Peng Mok, Hui Yin Ler

- EP-590** **Improvements in glucose control and other risk factor markers in patients with Type 2 Diabetes using a VLCKD method**
Eva Orsmond
- EP-591** **Pre-intervention Prevotella-to-Bacteroides ratio predicts weight loss on dietary supplements**
Claudia Vodstrup Sørensen, Frederikke Uggerhøj, Lars Christensen, Christian Ritz, Arne Astrup, Alfonso Benítez Paez, Yolanda Sanz, Mads Fiil Hjorth
- EP-592** **Eating behaviors in relation to gestational weight gain and postpartum weight retention: a systematic review**
Margriet Bijlholt, Hanne Van Uytzel, Lieveke Ameye, Roland Devlieger, Annick Bogaerts
- EP-593** **When mothers go with the flow: Spontaneous weight loss and body composition change at six months postpartum after pregnancy with excessive weight gain**
Margriet Bijlholt, Lieveke Ameye, Roland Devlieger, Annick Bogaerts
- EP-594** **Why HAS says NO to the widespread use of "Mini-Bypass"/One anastomosis gastric bypass for obesity in France?**
Jean Charles Lafarge, Denis Jean David, Cedric Carbonneil, Chantal Belorgey
- EP-595** **Fndc5 overexpression reduces classic browning marker in inguinal adipocytes**
Vanessa De Oliveira Furino, Ana Cláudia Garcia De Oliveira Duarte
- EP-596** **Monitoring of body composition as prevention of carbohydrate metabolism disorders. Clinical case**
Daria Podchinenova, Iuliia Samoilova, Oxana Oleynik, Olga Kobayakova, Ivan Tolmachev
- EP-597** **A quasi-experimental study of a health educational intervention targeting parents of overweight and obese pre-school children in Shanghai, China**
Yang Lu, Gengsheng He
- EP-598** **Nutritional- and Physical behaviour of primary school children aged 8-11 years after 9-month intervention: EDDY Young Study**
Kurt Widhalm, Sarah Czernin, Katharina Klinger, Harald Tschan, Richard Hauer
- EP-599** **The effectiveness of couples' lifestyle interventions (Randomised Controlled Trials) on weight change: A systematic review and meta-analysis**
Eirini Iro Arvanitidou, Orouba Almilaji, Juliet Wood, Fotini Tsofliou
- EP-600** **Nosocomial weight bias. Are there differences between medical doctors and surgeons?**
Iñaki Marina, Jordi Morató, Gerardo Rodríguez, Silvia Mauri, Sofia Garcia

LATE BREAKING POSTERS

- LBP-001** **The Danish Childhood Obesity Biobank: A comprehensive data- and biobank facilitating basic and clinical research**
Anna Katrine Gaul, Nasra Abdi Ashur, Morten Asp Vonsild Lund, Louise Aas Holm, Christine Frithioff Bøjsø, Thorkild I.A. Sørensen, Michael Christiansen, Oluf Pedersen, Torben Hansen, Jens-Christian Holm
- LBP-002** **Clinical Study to Evaluate the Safety and Efficacy of Contrave SR after Bariatric Surgery**
Kyong Min Park, Yeon Ju Huh, Sagn Moon Han
- LBP-003** **Psychosocial factors associated with, or predictive of, obesity in adults with psoriasis: a systematic review**
Neli Pavlova, Rona Moss Morris, Catherine Smith, Lauren Rayner, Kitty Kioskli
- LBP-004** **Using Photovoice to explore the factors influencing adults' eating behaviours and physical activity level**
Malika Al Kattan, Stephen Fallows, Lynne Kennedy
- LBP-005** **The Irisin plasma level in relation with metabolic and lifestyle parameters in patients with type 2 diabetes mellitus**
Lidia Iuliana Arhire, Andreea Gherasim, Otilia Nita, Andrei Catalin Oprescu, Radu Sebastian Gavrila, Ovidiu Mitu, Laura Mihalache
- LBP-006** **Main and secondary outcomes and cost effectiveness**
Graham Horgan, Berit Heitmann, Sofus Larsen, Marta Marques, Cristiana Duarte, Antonio Palmeira, Marie Louise Mikkelsen, Ines Santos, Jorge Encantafo, Elizabeth Evans, Jake Turicchi, Ruairi O'driscoll, Elina Mattila, Marcela Matos, Euan Woodward, James Stubbs
- LBP-007** **The NoHoW Toolkit development: Strengths and limitations**
Marta M Marques, António L Palmeira, Cristiana Duarte, Jorge Encantado, Graham Horgan, Elina Matilla, Marcela Matos, Falko F Sniehotta, James Stubbs, Pedro J Teixeira, Beritt Heitmann
- LBP-008** **"The effect of CBT-E group therapy on morbidity indices and behavioral characteristics of women with bulimic eating disorders and bariatric surgeries"**
Dafna Pachter
- LBP-009** **Childhood obesity prevention policy is better than cure**
Yingwei Wang, Suying Lo, Jensu Lin, Yihua Chin, Meiyin Chen
- LBP-010** **More than translation: exploring the feasibility of culturally-tailored intervention components for the prevention of type 2 diabetes among UK Arabs**
Jinan Rabbee, Maria Maynard, Tanefa Apekey
- LBP-011** **Lifetime Weight Cycling and Central Fat Distribution in Seeking-treatment Females With Obesity**
Marwan El Ghoch, Hana Tannir, Leila Itani, Dana El Masri, Dima Kreidieh
- LBP-012** **Relationship between multiple weight cycling and early weight loss in patients with obesity: A longitudinal study**
Marwan El Ghoch, Dana El Masri, Leila Itani, Dima Kreidieh, Hana Tannir
- LBP-013** **Psychologist Responses to Patients with Overweight**
Finian Fallon, Carel Le Roux, Werd Al Najim, Andrew Grannell
- LBP-014** **Impact of sleep and screen times on incidence of overweight in European children and adolescents**
Viveka Guzman, Louise Arvidsson, Lauren Lissner, Monica Hunsberger
- LBP-015** **Assessment of relationship between infant anthropometric indices with food insecurity, weight and body mass index of mothers before pregnancy and in the third trimester stage referring to north Tehran City community health centers**
Shahryar Eghtesadi, Mina Hajhossein, Ariyo Movahedi, Maryam Eghtesadi, Arezoo Khoshdooni Farahani, Mostafa Enayatradd, Sepideh Mahdavi
- LBP-016** **The effect of weight loss on blood pressure after one year of remote counselling of overweight and obese adults by dietitians**
Andrea Sutter, Susanne Maurer Wiesner, Stefanie Hayoz, Karin Haas
- LBP-017** **ASSOCIATION BETWEEN EATING BEHAVIOR, BIOCHEMICAL MEASUREMENTS, AND PYY HORMONE LEVELS IN OBESE ADOLESCENTS**
Janine Alessi, Simone Pereira Fernandes, Zilda Elizabeth Albuquerque Santos, Elza Daniel De Mello
- LBP-018** **Considerations and Challenges of Pediatric Obesity Registry Data Collection and Management: Data Harmonization Required for Collaborative Research**
William Stratbucker
- LBP-019** **Abdominal fat depots and interleukin-6 in adulthood: the 1982 Pelotas (Brazil) Birth Cohort Study**
Francine Santos, Isabel Oliveira, Gicle Mintem, Fernando Barros, Denise Gigante

- LBP-020** **The unidentified hormonal defense against weight gain**
Jens Lund, Camilla Lund, Thomas Morville, Christoffer Clemmensen
- LBP-021** **Reversal of long-term weight regain after roux-en-y gastric bypass using liraglutide or surgical revision**
Fritz F Horber
- LBP-022** **Childhood and adolescent obesity intervention methodology: a qualitative systematic review**
Joana Magalhães Vasconcelos, Júlia Calvo Galhardo
- LBP-023** **Association between sleep duration, food consumption pattern, and obesity among adolescents in Qatar**
Abdelhamid Kerkadi, Sara Abdelfatah Mohamed, Nosheen Zehra Shahid Meer, Saima Sabreen Usman Sheikh, Joyce Moawad, Zumin She
- LBP-024** **"" Ethnic differences and determinants of obesity and diabetes mellitus in Bulgaria ""**
Georgi Evstatiev Leverov, Boryana Angelova Leverova
- LBP-025** **Effect of bariatric surgery on GP consultation rates: a retrospective nationwide cohort study**
Laura Lazzari, Osama Moussa, Maddalena Ardisso, Skanda Rajasundaram, Silvia Muttoni, Omar Khan, Paul Ziprin, Ara Darzi, Sanjay Purkayastha
- LBP-026** **Homeostatic Theory of Obesity: assessment of a revised version of the Circle of Discontent among children and adolescents**
Kamila Czepczor Bernat, Anna Brytek Matera, Paweł Matusik
- LBP-027** **Malnutrition in children due to hospitalization - a prospective study**
Fatjona Kamberi, Jonida Çeloalaj, Hera Skendo
- LBP-028** **Effect of omental reattachment on food tolerance and gastric emptying in laparoscopic sleeve gastrectomy**
Omar Lashen, Ibrahim Khalifa, Hany Balamoun, Mohamed Ibrahim, Abdrabou Mashhour, Ahmed Kandeel
- LBP-029** **Obesity pandemic during COVID-19 outbreak**
Edda Cava, Barbara Neri, Maria Grazia Carbonelli, Sergio Riso
- LBP-030** **Screening of Risk Phenotypes among Metabolic Syndrome Subjects in Adults Pakistani population**
Muhammad Fiaz, Ghazala Kaukab Raja, Muhammad Saqlain, Ahmareen Khalid, Abid Mehmood, Bernard My Cheuang
- LBP-031** **Do the current prevention policies address the rise in obesity in children and child health inequalities in Chile? A critical analysis**
Cecilia Prieto Bravo
- LBP-032** **Health-related quality of life in obese patients with non-alcoholic fatty liver disease with mild fibrosis**
Olena Baka, Elina Manzhali, Olexandr Plehutsa, Olexandr Kalashnikov, Olexsii Potapov, Kateryna Skurat, Iryna Frankova, Artem Trots, Nina Prystai, Valeriia Trots, Sergii Kosiukhno, Olexandr Perekhrestenko, Boris Mankovskyi, Ivan Todurov
- LBP-033** **Lung function decline, obesity and lifestyle**
Anca Mihaela Hâncu, Florin Dumitru Mihăl an
- LBP-034** **COVID-19, quarantine, lifestyle and obesity.**
Anca Mihaela Hâncu, Florin Dumitru Mihăl an, Maria Mo a, Anca Pantea Stoian, Adela Gabriela Stefan
- LBP-035** **Obesity and COVID-19, two pandemics coalition**
Anca Mihaela Hâncu, Florin Dumitru Mihăl an
- LBP-036** **Use of Liraglutide after Bariatric Surgery**
Maria Magdalena Farias, Trinidad Gonzalez
- LBP-037** **Clinical and Genomic Review of Bardet-Biedl Syndrome and Alström Syndrome**
Robert M. Haws, Gregory Gordon, Murray Stewart
- LBP-038** **Neurologic level of spinal cord injury and body composition: A systematic review and meta-analysis**
Peter Francis Raguidin, Alessandro Bertolo, Ramona Schaniel, Oche Adam Itodo, Gion Philip Frankl, Simona Capossela, Beatrice Minder, Jivko Stoyanov, Taulant Muka, Marija Glisic
- LBP-039** **Metabolic effects of regular exercise and carnosine in sedentary elderly**
Jozef Ukropec, Michal Nemeš, Lucia Slobodová, Martin Schon, Veronika Tírpáková, Patrik Krumpolec, Zuzana Sumbalová, Ján Cvečka, Marek Vician, Peter Turčáni, Milan Sedliak, Barbara Ukropcová
- LBP-040** **Hypothalamic NLRP3 inflammasome is early modulated in response to saturated fat**
Daniela Soares Razolli, Gabriela Figueiredo Pucci, Thiago Matos De Araújo, Licio Augusto Velloso

- LBP-041** **Evaluation of body composition in obese individuals and association with sociodemographic, clinical and dietary factors**
Fernanda Bezerra Queiroz Farias, Adriana Haack De Arruda Dutra
- LBP-042** **Association between dopaminergic polymorphisms and response to treatment of binge-eating disorder**
Brandon A Heidinger, Jameason D Cameron, Regis Vaillancourt, Micheal De Lisio, Matthew Ngu, Giorgio A Tasca, Livia Chyurlia, Éric Doucet, Steve Doucette, Ana M Obregón, Gary S Goldfield
- LBP-043** **A lab study on green nature pictures: effect on stress reactivity and stress eating**
Nathalie Michels, Tori Vandebuerie, Maya Seynhaeve, Eline Di Bisceglie, Fien De Witte
- LBP-044** **Joint association of body mass index and waist circumference with cancer risk at 24 sites**
Solange Parra-Soto, Fanny Petermann-Rocha, Jirapitcha Boonpor, Stuart R Gray, Jill P Pell, Carlos Celis-Morales, Frederick Ho
- LBP-045** **Maternal diet modulates microRNAs in milk**
Marta Alonso-Bernáldez, Antoni Asensio, Juana Sánchez, Andreu Palou, Andreu Palou-March, Francisca Serra, Mariona Palou
- LBP-046** **Sex differences in the associations between adiposity-related markers and incidence and mortality from 24 cancer sites in the UK Biobank prospective cohort study.**
Solange Parra Soto, Emma S Cowley, Leandro F M Rezende3, Catterina Ferreccio, John C Mathers, Jill P Pell, Frederick Ho, Carlos Celis-Morales
- LBP-047** **Weight-neutral interventions in young people with overweight or obesity: a systematic review**
Johanna K Hoare, Natalie B Lister, Sarah P Garnett, Louise A Baur, Hiba Jebelle
- LBP-048** **The combined associations of walking pace and obesity with diabetes incidence: Findings from the UK Biobank prospective cohort study**
Jirapitcha Boonpor, Jasunella Gore, Frederick K Ho, Stuart R Gray, Carlos Celis-Morales
- LBP-049** **Meat, plant, and fish-based diets and its associations with incident type 2 diabetes: findings from the UK Biobank prospective cohort study**
Jirapitcha Boonpor, Fanny Petermann-Rocha, Solange Parra-Soto, Jill P Pell, Frederick K Ho, Stuart R Gray, Carlos Celis-Morales
- LBP-050** **Adipose Tissue and Brain Metabolic Responses to Western Diet - Is There A Crosstalk Between the Two?**
Arianna Mazzoli, Maria Spagnuolo, Cristina Gatto, Nazzaro Martina, Cancelliere Rosa, Crescenzo Raffaella, Iossa Susanna, Cigliano Luisa
- LBP-051** **Can probiotics help to maintain weight loss in individuals with obesity? A double-blinded randomized control trial**
Vilde Jordahl, Marte Sørmo, Catia Martins, Silvia Coutinho, Jessica Ann Røkenes
- LBP-052** **Dietary habits of girls and boys 8-18 years aged in single country region in Bulgaria and their impact on body weight**
Mila Arnaudova, Tzvetelina Totomirova, Ivanina Arabadzhieva, Ivona Daskalova
- LBP-053** **Investigating the metabolic profile of overweight throughout childhood**
Safiyah Samad, Oliver Robinson, Evangelos Chandakas
- LBP-054** **Waist-to-height ratio as a predictor of hypertension and type 2 diabetes in Chile: Results from three National Health Surveys**
Fanny Petermann-rocha, Natalia Ulloa, María Adela Martínez Sanguinetti, Ana María Leiva, Miquel Martorell, Marcelo Villagrán, Claudia Troncoso, Frederick K Ho, Carlos Celis Morales, Alonso Pizarro
- LBP-055** **The reality of a Bariatric Surgical Treatment Center in Portugal**
Ana Rita Lopes, Joana Bernardo, Tânia Furtado, Catarina Sousa, Ana Lemos
- LBP-056** **Does when we eat influence what we eat? A secondary analysis of the UK National Diet and Nutrition Survey.**
Judith S Baird, Ruth K Price, Adele Mc Elroy, Marie H Murphy, Alison M Gallagher
- LBP-057** **Visual attention towards food during unplanned purchases – A pilot study using mobile eye tracking technology**
Gerrit Hummel, Nanette Stroebele Benschop
- LBP-058** **Dietary Inflammatory Index and body composition, inflammation, and metabolic health in Irish adults.**
Aoibhin Moore Heslin, Anne P Nugent, Janette Walton, Albert Flynn, Breige A Mc Nulty
- LBP-059** **Evaluation of a training programme for dietitians/nutritionists on the use of behavioural change tools in childhood weight management**
Laura Stewart

- LBP-060** **Engagement Process for Developing a New Online Adult Weight Management Programme**
Laura Stewart, Clare Neilson, Thomas Stewart, David Stewart
- LBP-061** **Managing It Online: What do People Want from an Online Adult Weight Management Programme?**
Laura Stewart, Thomas Stewart, Clare Neilson, David Stewart
- LBP-062** **Effects of a single dose of cocoa flavanols on blood pressure in patients with type 2 diabetes compared to non-diabetic people.**
Anouk Tanghe, Elsa Heyman, Ernst Rietzschel, Bert Celie, Patrick Calders, Samyah Shadi
- LBP-063** **Use of liraglutide 3.0 mg for weight management in a real-world setting in Switzerland**
Christiane Lundegaard Haase, Nadine Häusler, Nikita Jeswani, Susanne Maurer, Maria Giovanna Serratore Achenbach, Ulrich Eggermann
- LBP-064** **Role of vitamin B12 supplementation as addition to treatment of overweight and obesity**
Ivona Daskalova, Tzvetelina Totomirova, Mila Arnaudova
- LBP-065** **Visceral fat area correlated with metabolic risk factors in a romanian cross sectional study**
Anca Mihaela Hancu, Gabriela Radulian, Adina Maria Trandafir
- LBP-066** **Risk factors for the development of cardiovascular disease in individuals with long-term type 1 diabetes mellitus**
Tatyana Chalakova, Kaloyan Tsochev, Yoto Yotov, Violeta Iotova, Yana Bocheva, Natalya Usher, Rouzha Pancheva, Mila Boyadzhieva, Georgi Valchev
- LBP-067** **Variability in adiposity measures in randomised trials on weight management interventions in the International Weight Management in Pregnancy (i-WIP) collaboration.**
Anna Boath, Louise Hayes, John Allotey, Luke Vale, Nicola Heslehurst
- LBP-068** **Low-energy sweeteners and body weight: a citation network analysis of reviews**
Mie Normand, Christian Ritz, David Mela, Anne Raben
- LBP-069** **Ultra-processed food consumption is associated with the risk of short telomeres in an elderly population of the SUN project**
Lucia Alonso Pedrero, Ana Ojeda Rodríguez, Miguel Ángel Martínez González, Guillermo Zalba, Maira Bes Rastrollo, Amelia Marti
- LBP-070** **Six-year weight trajectories, health outcomes and surgical complications after bariatric surgery among patients with clinically severe obesity**
Michelle Tan, Samantha Hocking, Amanda Sainsbury, Nic Kormas, Ian Caterson, Ang Li, Elisia Manson, Janet Franklin, Philip Le Page, David Martin, Craig Taylor, David Joseph, Tania Markovic
- LBP-071** **Prospective associations of changes in physical activity with appetitive traits in children**
Ellie Louisa Gilham, Ruth Salway, Lydia Emm-Collison, Russell Jago, Laura Johnson
- LBP-072** **Effects of aerobic and resistance exercise on endocrine regulators of brown adipose tissue**
Andrea Mendez Gutierrez, Guillermo Sanchez Delgado, Francisco J. Osuna Prieto, Concepción M Aguilera, Jonatan R Ruiz
- LBP-073** **Overweight, obesity, and risk of double diabetes in people with type 1 diabetes; a cross-sectional study**
Nathan Cantley, Kathryn Lonnen, Hassan Kahal
- LBP-074** **The Relationship Between Social Media Food Marketing and Flemish Adolescent Eating**
Yara Qutteina, Lotte Hallez, Maxime Raedschelders, Charlotte De Backer, Tim Smits
- LBP-075** **Adiposity and risk of prostate cancer death in the UK Biobank**
Aurora Perez Cornago, Eleanor L. Watts, Georgina K. Fensom, Timothy J. Key, Ruth C. Travis
- LBP-076** **Lippia alba essential oil, a novel treatment involved in the regulation of lipid metabolism in adipocytes**
Katherin Bonilla Carvajal, Elena Stashenko, Natalia Moreno Castellanos
- LBP-077** **Obesity During Lockdown: Patient Survey in Center Offering Telemedicine**
Dafna Pachter, Noga Chlamtac Minsky, Naama Chishlevitz, Dana Weiner, Galia Zacay, Omer Levanon, Gabriella Segal Lieberman
- LBP-078** **Looking at various correlates associated with spending on maternity care in India**
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LBP-079 **Urgency for health care professionals to address anxiety regarding COVID-19 in children and adolescents with severe obesity**
Bibian Van der Voorn, Ozair Abawi, Mila S. Welling, Emma Van den Eynde, Elisabeth F.C. Van Rossum, Jutka Halberstadt, Erica L.T. Van den Akker

LBP-080 **Couples' Obesity (COOB) Project**
Inês Queiroz-Garcia, Filipa Pimenta, João Marôco, Amy Gorin

LBP-081 **Exploring Geographical Variance of Complete Immunization Coverage in India: A District-level Spatial Modelling Approach**
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LBP-082 **Identifying Geographical Heterogeneity of Under-five Child Nutritional Status in Districts of India**
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LBP-083 **Financing Maternity Care in Public and Private Health Facilities in India**
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LBP-084 **Inhibitory control and obesity in adolescents: a prospective cohort study**
Marcos Alejandro Mayer, Fabrizio Catalani, Javier Fraire, Noelia Deltetto, Lucía Martín, Analisa Beneitez, Daniela Fischman, Alicia B Orden

LBP-085 **Sweeteners and sweetness enhancers – SWEET: Prolonged effects on health, obesity, and safety. Protocol for a 2-year multicenter European intervention study.**
Anne Raben, Louise Kjølbaek, Sabina S. H. Andersen, Alfredo Martinez, Ellen Blaak, Jason Halford, Graham Finlayson, Jo Harrold, Edith Feskens, Charo E. Hodgkins, Monique M. Raats, Hariklia Moshoyianni, Tony Lam, Marta Del Alamo, Torsten Voegler, Yannis Manios

LBP-086 **Variability of pulmonary function across body composition phenotypes in healthy adults**
Roham Sadeghimakki, David Mccarthy

LBP-087 **Prevalence and predictive factors of obstructive sleep apnea syndrome in obesity**
Vânia Benido Silva, Samuel Costa Cardoso, Ana Isabel Soares, Carlos Guimarães, Filipa Nogueira, Helena Leal, Inês Dias De Sousa, Joana Silva, Joana Rocha, Luís Silva, Miguel Morim, Miguel Salgado, Mónica Reis, Maria Teresa Pereira, Maria Helena Cardoso

LBP-088 **Evaluation of Brown Adipose Tissue in obese men with Infrared Thermography**
Alessandra Covallero Benck, Francielle De Menek, Sergio Brasil, Paulo De Novoa Cardoso, Thiago Afonso Teixeira, Maria Do Carmo Franco, Elaine Frade Costa

LBP-089 **The displacement mechanism: a new explanation and treatment for obesity**
Robert A Pretlow

LBP-090 **Are school-based programs effective in tackling childhood obesity? A systematic review**
Cintia Carneiro Gomes, Maria Palma Mateus, João Breda

LBP-091 **Social costs of obesity in the Czech Republic**
Petra Landovská, Martina Karbanová, Ladislav Fruehauf, Jan Kleňha

LBP-092 **miR-223-3p as circulating biomarker and player for adipose tissue dysfunction related to type 2 diabetes onset**
Julia Sánchez Ceinos, Oriol A. Rangel Zúñiga, Mercedes Clemente Postigo, Alicia Podadera Herreros, Antonio Camargo, Juan Francisco Alcalá Diaz, Rocío Guzmán Ruiz, José López Miranda, Maria M. Malagón

LBP-093 **New concept of body contouring in post obese patients**
Claudio Ligresti

LBP-094 **Lower binding potential of GLP-1 receptor in the pancreas as a consequence of diet-induced obesity**
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