



OnDemand: TOS 41st Annual Scientific Meeting Continuing Medical Education Information for Learners

Accreditation and Credit for Physicians

The Obesity Society is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The Obesity Society designates this internet enduring material for a maximum of 87.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ACCME Activity ID 202573241

Important Dates for On-Demand Course (Enduring Material)

Date of Release: December 1, 2023

Date of Termination: December 31, 2024

Learning Objectives

1. Apply the latest recommendations for evaluation and treatment; tailor intervention strategies based on patient characteristics such as age or metabolic or behavioral phenotype; understand the differences between weight loss and weight loss maintenance.
2. Understand the evidence-based science regarding neuroendocrine, environmental, endocrine, microbiota and/or cognitive behavioral mechanisms regulating energy balance and body weight. Apply that knowledge to develop and implement treatment options for adults and pediatric patients with overweight, obesity or obesity-related co-morbidities.

3. Implement appropriate strategies for diagnosing adolescent and pediatric obesity, evaluate current treatment options and emerging therapeutics and provide care and treatment to adolescent and pediatric patients accordingly. Teach evidence-based strategies for obesity prevention in the pediatric and adolescent population.
4. Apply lessons learned about the impact of nutrition and obesity initiatives and policies to reduce health disparities and stigmatization of individuals with obesity.
5. Apply new knowledge related to dietary intervention and physical activity from the perspectives of Metabolism and Integrative Physiology, Neuroscience, Intervention and Clinical Studies, Population Health, Clinical/Professional Practice, and Policy/Public Health.
6. Incorporate knowledge about coding for reimbursement into the clinical practice of health care providers to support their ability to treat the underlying disease of overweight and obesity. Incorporate knowledge about best practices to develop and run effective clinics that treat overweight and obesity.

Commercial Support

The live activity where this enduring material was recorded received educational grants in partial support of the conference from Pfizer and Rhythm Pharmaceuticals, Inc.

Faculty and Planning Committee Disclosure Information

The Obesity Society adheres to the ACCME's Standards for Integrity and Independence in Accredited Continuing Education. Any individuals in a position to control the content of a CE activity, including faculty, planners, reviewers or others are required to disclose all relevant financial relationships with ineligible entities¹ (commercial interests). All relevant conflicts of interest have been mitigated prior to the commencement of the activity.

The Obesity Society asks all individuals involved in the development and presentation of Continuing Medical Education (CME) activities to disclose all relevant relationships with ineligible companies. This information is disclosed to CME activity participants. The Obesity Society has procedures to mitigate all conflicts of interest. In addition, faculty members are asked to disclose when any unapproved use of pharmaceuticals or devices is being discussed. TOS requires additional disclosures beyond the ACCME definition of an ineligible company. These include food, weight loss, and supplement industry disclosures. In the list below, the nature of the relationship and company are followed by the industry of that company.

Chairs:

At TOS activities, course/session chairs are responsible for timekeeping, introductions, housekeeping announcements, and presenting audience questions to speakers. TOS has determined that chairs do not have the ability to influence

¹ An ineligible company as defined by the ACCME is one that is not eligible for ACCME accreditation, in other words those whose primary business is producing, marketing, selling, re-selling, or distributing healthcare products used by or on patients. Examples of such organizations include: 1) Advertising, marketing, or communication firms whose clients are ineligible companies, 2) Bio-medical startups that have begun a governmental regulatory approval process, 3) Compounding pharmacies that manufacture proprietary compound, 4) Device manufacturers or distributors, 5) Diagnostic labs that sell proprietary products, 6) Growers, distributors, manufacturers or sellers of medical foods and dietary supplements, 7) Manufacturers of health-related wearable products, 8) Pharmaceutical companies or distributors, 9) Pharmacy benefit managers, 10) Reagent manufacturers or sellers. Reference: <https://accme.org/faq/what-accmes-definition-ineligible-company>

content. Accordingly, TOS does not collect, mitigate, or disclose relevant financial relationships of chairs (unless they have a dual role as a planner or speaker).

Panelists:

Note: There are no panelists at the activity. Panelists are speakers who speak without presenting slides in a portion of a session or course. As speakers, they are required to disclose, and their relevant financial relationships are listed below. All speakers - with or without relevant financial relationships, with or without slides - are advised, and subsequently attest that “The content and/or presentation of the information with which I am involved will promote quality or improvements in health care and will not promote a specific proprietary business interest or a commercial interest (including ACCME-defined ineligible companies). Content for this activity, including any presentation of therapeutic options, will be balanced, evidence-based and commercially unbiased.”

Speaker Disclosures:

First Name	Last Name	Degree	Disclosure
Monica	Agarwal	MD, MEHP, FACE	No Relevant Financial Relationships
Tanya	Agurs-Collins	PhD, RD	No Relevant Financial Relationships
Amy	Ahern	PhD	Advisor relationship with WW (Medical Food and Weight Management)
Jonathan	Alessi		No Relevant Financial Relationships
Sara	Al-Ghadban		No Relevant Financial Relationships
Marlyn	Allicock	MPH, PhD	No Relevant Financial Relationships
Jaime	Almandoz	MD, MBA, FTOS	Advisor relationship with Eli Lilly (Pharmaceuticals) and Novo Nordisk (Pharmaceuticals) Consultant relationship with Boehringer Ingelheim (Pharmaceuticals)
Kimberly	Alonge	PhD	No Relevant Financial Relationships
Jessica	Alvarez	PhD, RD	Consultant relationship with Anagram Therapeutics (Supplement)
Ali	Aminian	MD, FACS, FASMBS	Researcher relationship with Ethicon (Medical Device), Medtronic (Medical Device) Speaker relationship with Medtronic (Medical Device), Ethicon (Medical Device)
Diego	Anazco	MD	No Relevant Financial Relationships
Betsy	Anderson Steeves	PhD, RDN	No Relevant Financial Relationships
Caroline	Apovian	MD	Consultant relationship with Altimmune (Weight Management), Cowen and Company, LLC (Weight Management), Currax Pharmaceuticals (Pharmaceuticals), EPG Communication Holdings Ltd (Weight Management), Form Health, Inc (Weight Management), Gelesis (Pharmaceuticals), L-Nutra, Inc (Pharmaceuticals), NeuroBo Pharmaceuticals, Inc (Weight Management), Novo Nordisk (Pharmaceuticals), Pain Script Corporation (Pharmaceuticals), Palatin Technologies, Inc (Weight Management), Pursuit By You (Weight Management), ReShape Lifesciences Inc (Weight Management), Xeno Biosciences (Weight Management), Roman Health Ventures (Weight Management)

Jamy	Ard	MD	Advisor relationship with Novo Nordisk (Pharmaceuticals) Consultant relationship with Nestle Healthcare Nutrition (Food), Eli Lilly (Pharmaceuticals), Regeneron (Pharmaceuticals), Intuitive (Medical Device), WW (Medical Food and Weight Management) Researcher relationship with Epitee (Medical Device), UnitedHealth Group (Health Insurance), KVKTech (Pharmaceuticals), Eli Lilly (Pharmaceuticals)
Katherine	Balantekin	PhD, RD	No Relevant Financial Relationships
Jenny	Barton	PhD	No Relevant Financial Relationships
Monica	Baskin	PhD	No Relevant Financial Relationships
John	Batsis	MD, FTOS	No Relevant Financial Relationships
Kate	Bauer	PhD, MS, FTOS	No Relevant Financial Relationships
Kristine	Beaulieu	PhD, RD	No Relevant Financial Relationships
Kristen	Beavers	PhD, MPH, RD	Researcher relationship with Jason Pharmaceuticals (Pharmaceuticals)
Nick	Berbari	PhD	No Relevant Financial Relationships
Seth	Berkowitz	MD, MPH	No Relevant Financial Relationships
Mohammad	Bhatti		No Relevant Financial Relationships
Lara	Bideyan	PhD	No Relevant Financial Relationships
Bridget	Biggs	PhD	No Relevant Financial Relationships
Sara	Bleich	PhD	No Relevant Financial Relationships
Richard	Boles	PhD	No Relevant Financial Relationships
Eric	Bomberg	MD, MAS	Researcher relationship with Novo Nordisk (Pharmaceuticals)
Alex	Bonnecaze	MD	No Relevant Financial Relationships
Sarah	Bramblette	MShL	Consultant relationship with Boehringer Ingelheim (Pharmaceuticals)
Justin	Brown	PhD	Speaker relationship with Novo Nordisk (Pharmaceuticals)
Kay	Brown		No Relevant Financial Relationships
Natasha	Burke	PhD	No Relevant Financial Relationships
Marisa	Censani	MD, FOMA, DiplABOM	No Relevant Financial Relationships
Marshall	Chin	MD, MPH	Advisory Board relationship with Bristol-Myers Squibb Company (Pharmaceuticals)
Sae	Chung	PhD	No Relevant Financial Relationships
Stephanie	Chung	MBBS	No Relevant Financial Relationships
Maya	Cohen	BS Pharmacy	No Relevant Financial Relationships
Kristen	Cooksey Stowers	PhD	No Relevant Financial Relationships
Karen	Corbin	PhD, RD	Researcher relationship with Merck (Pharmaceuticals), Metacrine (Pharmaceuticals), BPG Bio (Biomedical) Speaker relationship with WW (Medical Food and Weight Management)
Lillian	Craggs-Dino	DHA, RDN, LDN	Advisor relationship with Bariatric Fusion (Supplement)
Rachelle	Crescenzi	PhD	No Relevant Financial Relationships
Paige	Cunningham	PhD	No Relevant Financial Relationships
Steven	Dean	DO, MSVM, RPVI	Speaker relationship with Tactile Medical (Medical Device)

Carlos	Devia	PhD(c)	No Relevant Financial Relationships
Nikhil	Dhurandhar	MS, LCEH, PhD, FTOS	Advisor relationship with Medifast (Weight Management), International Egg Commission (Non-Medical Food) Consultant relationship with Obthera (Weight Management) Researcher relationship with Novo Nordisk (Pharmaceuticals), National Cattleman's Beef Association (Non-Medical Food), Borealis Foods (Non-Medical Food)
Alexandra	DiFeliceantonio	PhD	No Relevant Financial Relationships
Madisen	Dorand	MD	No Relevant Financial Relationships
Daniel	Driscoll	MD, PhD, FAAP, FFACMGG	No Relevant Financial Relationships
Lara	Dugas	PhD, MPH, FTOS	No Relevant Financial Relationships
Andrea	Dunaif	MD	Consultant relationship with Novo Nordisk (Pharmaceuticals), Neurocrine Biosciences (Pharmaceuticals), Fractyl Laboratories (Medical Device)
Christina	Economos	PhD	No Relevant Financial Relationships
Ihuoma	Eneli	MD, MS	No Relevant Financial Relationships
Mark	Espeland	PhD	Steering Committee for a clinical trial relationship with Nestle (Supplement)
Debra	Fadool	PhD	No Relevant Financial Relationships
Jennifer	Falbe	ScD, MPH	Publicly-traded Stock relationship with Oatly (Non-Medical Food)
Emma	Farrell	PhD, CPsychol	No Relevant Financial Relationships
Lauren	Fiechtner	MD, MPH	No Relevant Financial Relationships
Mackenzie	Fitzpatrick		No Relevant Financial Relationships
Jonathan	Flak	PhD	Researcher relationship with Eli Lilly (Pharmaceuticals)
Emily	Flanagan	PhD	No Relevant Financial Relationships
Talyia	Fordham	BS	No Relevant Financial Relationships
Jackson	Francis	MPH	No Relevant Financial Relationships
Marie	Francois Lafond	PhD	No Relevant Financial Relationships
Eduardo	Freitas	PhD	No Relevant Financial Relationships
Susan	Fried	PhD	No Relevant Financial Relationships
Dympna	Gallagher	PhD	No Relevant Financial Relationships
W. Timothy	Garvey	MD, MACE	Advisor relationship with Boehringer-Ingelheim (Pharmaceuticals), Eli Lilly (Pharmaceuticals), Novo Nordisk (Pharmaceuticals), Pfizer (Pharmaceuticals), Fractyl Health (Medical Device), Alnylam Pharmaceuticals (Pharmaceuticals), Inogen (Medical Device), Merck (Pharmaceuticals) Researcher relationship with Novo Nordisk (Pharmaceuticals), Eli Lilly (Pharmaceuticals), Epitomee (Medical Device), Neurovalens (Medical Device), Pfizer (Pharmaceuticals)
Hamlet	Gasoyan	PhD	No Relevant Financial Relationships
Allan	Geliebter	PhD	No Relevant Financial Relationships
Maria	Godoy Gabler	MPH, MPP	No Relevant Financial Relationships
Stephanie	Goldstein	PhD	No Relevant Financial Relationships

Barbara	Gower	PhD	Consultant relationship with Abbott (Medical Device), Cook Keto (Medical Food), Simply Good Foods (Medical Food)
Cara	Green	PhD	No Relevant Financial Relationships
Anna	Grummon	PhD, MSPH	No Relevant Financial Relationships
Deborah	Gustafson	PhD, MS	No Relevant Financial Relationships
Luc	Hagenaars	PhD	No Relevant Financial Relationships
Jason Christian Grovenor	Halford		Researcher relationship with American Beverage Association (Non-Medical Food) and Novo Nordisk (Pharmaceuticals) Advisor relationship with Dupont (Medical Devices) and Mars Inc. (Non-Medical Food)
Saman	Hamidi	BS/BA	No Relevant Financial Relationships
Sarah	HAMPL	MD	No Relevant Financial Relationships
Rollie	Hampton		No Relevant Financial Relationships
Wenfei	Han	MD	No Relevant Financial Relationships
Samantha	Harris	MD	Researcher relationship with Eli Lilly (Pharmaceuticals)
Clinton	Hasenour		Publicly-traded Stock relationship with AbbVie (Pharmaceuticals), 3M (Biomedical), Atea Pharmaceuticals Inc (Pharmaceuticals)
Keally	Haushalter		No Relevant Financial Relationships
Matthew	Hayes	PhD	No Relevant Financial Relationships
Faith Anne	Heeren	BA	Consultant relationship with WW (Medical Food and Weight Management)
Sharon	Herring	MD, MPH	No Relevant Financial Relationships
Steven	Heymsfield	MD, FTOS	Advisor relationship with Medifast (Weight Management), Tanita (Medical Device), Novo Nordisk (Pharmaceuticals), Versanis (Pharmaceuticals)
Alison	Hill	PhD, APD, MDiet, BAppSc (Hons)	Researcher relationship with Almond Board of California (Non-Medical Food)
Deborah	Horn	DO, MPH, MFOMA	Consultant relationship with Gelesis (Pharmaceuticals), Novo Nordisk (Pharmaceuticals), Lilly (Pharmaceuticals) Speaker relationship with Novo Nordisk (Pharmaceuticals) Researcher relationship with Novo Nordisk (Pharmaceuticals)
Kristen	Howard	MSN, ARNP	No Relevant Financial Relationships
Sophia	Hua	PhD, MPH	No Relevant Financial Relationships
Holly	Ingraham	PhD	No Relevant Financial Relationships
Brian	Irving	PhD	No Relevant Financial Relationships
Michael	Irwig	MD	No Relevant Financial Relationships
Asuka	Ishihara	PhD	No Relevant Financial Relationships
Swati	Iyer		No Relevant Financial Relationships
John	Jakicic	PhD, FTOS, FACSM	Advisor relationship with Wondr Health Inc. (Weight Management) Researcher relationship with Epitomee Medical Inc. (Medical Device) Consultant relationship with Education Initiatives (Weight Management)

Ania	Jastreboff	MD, PhD	<p>Site PI for Multi-center clinical trial (funding to institution) relationship with Novo Nordisk (Pharmaceuticals), Eli Lilly (Pharmaceuticals), Rhythm Pharmaceuticals (Pharmaceuticals)</p> <p>Scientific advisory board relationship with Novo Nordisk (Pharmaceuticals), Eli Lilly (Pharmaceuticals), Pfizer (Pharmaceuticals), Boehringer Ingelheim (Pharmaceuticals), Rhythm Pharmaceuticals (Pharmaceuticals), Amgen (Pharmaceuticals), Structure Therapeutics (Pharmaceuticals), Terns (Pharmaceuticals), Biohaven (Pharmaceuticals), Scholar Rock (Pharmaceuticals), AstraZeneca (Pharmaceuticals), Zealand Pharmaceuticals (Pharmaceuticals), Intellihealth (Weight Management Telehealth), WW (Medical Food and Weight Management)</p> <p>Stock options relationship with Intellihealth (Privately-held Weight Management Telehealth)</p>
Lee	Kaplan	MD, PhD, FTOS	<p>Consultant relationship with Altimmune (Pharmaceuticals), Amgen (Pharmaceuticals), Boehringer Ingelheim (Pharmaceuticals), Gelesis (Medical Device), Gilead Sciences (Pharmaceuticals), Intellihealth (Weight Management), Lilly (Pharmaceuticals), Novo Nordisk (Pharmaceuticals), Optum (Weight Management), Pfizer (Pharmaceuticals), Rhythm Pharmaceuticals (Pharmaceuticals), GI Dynamics (Medical Device), Xeno Biosciences (Pharmaceuticals), Johnson & Johnson (Medical Device)</p> <p>Advisor relationship with Sidekick Health (Weight Management) and twenty30.health (Weight Management)</p>
Jonathan	Kartt		No Relevant Financial Relationships
Kathleen	Keller	PhD	No Relevant Financial Relationships
John	Kincaid	MPhil, MS	No Relevant Financial Relationships
Alicia	Kunin-Batson	PhD	No Relevant Financial Relationships
Robert	Kushner	MD	<p>Advisor relationship with Novo Nordisk (Pharmaceuticals), Lilly (Pharmaceuticals), WW (Medical Food and Weight Management)</p> <p>Consultant relationship with Pfizer (Pharmaceuticals), Altimmune (Pharmaceuticals), Boehringer Ingelheim (Pharmaceuticals)</p>
Olivier	Lavoie		No Relevant Financial Relationships
Gina	Leininger	PhD	No Relevant Financial Relationships
Janice	Liebhart	MS	No Relevant Financial Relationships
Soo	Lim	MD, PhD	No Relevant Financial Relationships
Angela	Lima	MBA, RD, LD	No Relevant Financial Relationships
Jiying	Ling	PhD, RN, FAAN	No Relevant Financial Relationships

Ildiko	Lingvay	MD, MPH, MSCS	<p>Researcher relationship with Novo Nordisk (Pharmaceuticals), Boehringer Ingelheim (Pharmaceuticals), Sanofi (Pharmaceuticals), Merck (Pharmaceuticals), Pfizer (Pharmaceuticals), Mylan (Pharmaceuticals)</p> <p>Advisor relationship with NovoNordisk (Pharmaceuticals), Boehringer Ingelheim (Pharmaceuticals), Sanofi (Pharmaceuticals), Zealand Pharma (Pharmaceuticals), Eli Lilly (Pharmaceuticals), Astra Zeneca (Pharmaceuticals), J&J (Pharmaceuticals), Intercept (Pharmaceuticals), Merck (Pharmaceuticals), Pfizer (Pharmaceuticals), Shionogi (Pharmaceuticals), Carmot (Pharmaceuticals), Structure (Pharmaceuticals), Bayer (Pharmaceuticals)</p> <p>Consultant relationship with NovoNordisk (Pharmaceuticals)</p>
Sheridan	Littleton	BS	No Relevant Financial Relationships
Jason	Lofton	MD	No Relevant Financial Relationships
Shan	Luo	PhD	No Relevant Financial Relationships
Paul	MacLean	PhD	No Relevant Financial Relationships
Corby	Martin	PhD, FTOS	<p>Researcher relationship with Evidation Health (Biomedical), WW (Medical Food and Weight Management), Lilly (Pharmaceuticals), Kroger Company Foundation (Non-Medical Food)</p> <p>Advisor relationship with Wondr (Weight Management)</p> <p>Royalties or Patent Beneficiary relationship with Access Business Group (Weight Management)</p>
Gargi	Mishra	BA	No Relevant Financial Relationships
Mohamad	Mokadem	MD	No Relevant Financial Relationships
Tahra	Monroe-Campbell	MBA, MHSM, PMP, RHIA	No Relevant Financial Relationships
Jaime	Moore	MD, MPH	No Relevant Financial Relationships
Justine	Mucinski	PhD	No Relevant Financial Relationships
Candice	Myers	PhD	No Relevant Financial Relationships
Joseph	Nadglowski	BS	No Relevant Financial Relationships
Patty	Nece	JD	<p>Speaker relationship with Novo Nordisk (Pharmaceuticals), Lilly Pharmaceuticals (Pharmaceuticals)</p> <p>Advisor relationship with Boehringer Ingelheim (Pharmaceuticals)</p>
Cody	Neshteruk	PhD	No Relevant Financial Relationships
Nicholas	Neuwald	MS	No Relevant Financial Relationships
Jacinda	Nicklas	MD, MPH, MA	No Relevant Financial Relationships
Michele	Novaes Ravelli	PhD	No Relevant Financial Relationships
Kayloni	Olson	PhD	No Relevant Financial Relationships
Danielle	Ostendorf	PhD	No Relevant Financial Relationships
Kathya	Palepu	MS	No Relevant Financial Relationships
Emily	Panza	PhD	No Relevant Financial Relationships
Afroditi	Papantoni	BS	No Relevant Financial Relationships

Elizabeth	Parks	PhD, FTOS	Advisor relationship with Simply Good Foods (Medical Food) Consultant relationship with Pfizer (Pharmaceuticals), Corcept (Pharmaceuticals) Stock Options relationship with Sagimet (publicly traded, Pharmaceuticals)
Robyn	Pashby	PhD	No Relevant Financial Relationships
Michele	Patel	PhD	No Relevant Financial Relationships
Souvik	Patra		No Relevant Financial Relationships
Markku	Peltonen	PhD	No Relevant Financial Relationships
Lilian	Perez	PhD, MPH	No Relevant Financial Relationships
Max	Petersen	MD, PhD	No Relevant Financial Relationships
Joshua	Petimar	ScD	No Relevant Financial Relationships
Jennifer	Pettis	RN, MS, CNE	Grant relationship with Novo Nordisk (Pharmaceuticals) [Non-Profit Employer received sponsorship funding in support of KAER Toolkit development]
Samantha	Pierce	MPH	No Relevant Financial Relationships
Bri	Pomonis		No Relevant Financial Relationships
Kathryn	Porter Starr	PhD, RD	Speaker relationship with Abbott Nutrition Health Institute (Supplement)
Keeley	Pratt	PhD	No Relevant Financial Relationships
Lauren	Ptomey	PhD, RD, LD	Researcher relationship with AC Immune SA (Pharmaceuticals)
Carmen	Ramos	MS, RDN	No Relevant Financial Relationships
Soumya	Ravichandran	BS	No Relevant Financial Relationships
R. Scott	Rector	PhD, FTOS	No Relevant Financial Relationships
Leanne	Redman	PhD, FTOS	Advisor relationship with Bobbie Labs (Medical Food), One Willow (Medical Device), AdvoCare International LP (Supplement), Everly Health (Supplement) Royalties relationship with Access Business Group (Supplement)
Kieran	Reid	PhD, MPH	Researcher relationship with Best Buy Health (Medical Device)
Jesse	Richards	DO, DABOM	Advisor relationship with Rhythm Pharmaceuticals (Pharmaceuticals) Speaker relationship with Rhythm Pharmaceuticals (Pharmaceuticals), Novo Nordisk (Pharmaceuticals), Eli Lilly (Pharmaceuticals) Consultant relationship with Palatin Technologies (Pharmaceuticals)
Christian	Roth	MD	Consultant relationship with Rhythm (Pharmaceuticals)
Cara	Ruggiero	PhD, RD, LDN	No Relevant Financial Relationships
Pasquale	Rummo	PhD, MPH	No Relevant Financial Relationships
Marzieh	Salehi	MD, MS	No Relevant Financial Relationships
Jennifer	Savage	PhD	No Relevant Financial Relationships
Philipp	Scherer	PhD	No Relevant Financial Relationships
Laura	Schmidt	PhD	No Relevant Financial Relationships

Barbara	Schneeman	PhD	Advisor relationship with McCormick Co Scientific Advisory Company (Medical Food) Consultant relationship with Abbott Laboratories (Medical Food)
Adil	Shah	MD	No Relevant Financial Relationships
Sonya	Shin	MD, MPH	No Relevant Financial Relationships
Lauren	Shomaker	PhD	No Relevant Financial Relationships
Anna Maria	Siega-Riz	PhD, MS	No Relevant Financial Relationships
Luis	Sifuentes-Dominguez	MD	No Relevant Financial Relationships
Omprakash	Singh	PhD	No Relevant Financial Relationships
Susan	Sisson	PhD, RDN, CHES, FASCM	No Relevant Financial Relationships
Steven	Smith	MD	Advisor relationship with Eli Lilly (Pharmaceuticals), Boehringer Ingelheim (Pharmaceuticals), Scobia (Pharmaceuticals), Zealand (Pharmaceuticals)
Katherine	Spencer	MS	No Relevant Financial Relationships
Fatima	Stanford	MD, MPH, MPA, MBA, FAAP, FACP, FAHA, FAMWA, FTOS	Advisor relationship with Calibrate (Weight Management), Novo Nordisk (Pharmaceuticals), Eli Lilly (Pharmaceuticals), Boehringer Ingelheim (Pharmaceuticals), Gelesis (Medical Device), Pfizer (Pharmaceuticals), Currax Pharmaceuticals (Pharmaceuticals), Sweetch (Biomedical), Vida Health (Biomedical), Vira Health (Biomedical), Ilant Health (Biomedical), Lifeforce (Biomedical), Mellicell (Pharmaceuticals) Advisor relationships added onsite at conference: Alfie (Weight Management), GoodRX (Pharmaceuticals), Veri (Medical Device) Speaker relationship with Rhythm Pharmaceuticals (Pharmaceuticals)
Kristin	Stanford	PhD	No Relevant Financial Relationships
Erin	Stephenson	PhD	No Relevant Financial Relationships
Javier	Stern	MD, PhD	No Relevant Financial Relationships
Alexis	Stranahan		No Relevant Financial Relationships
Hayeon	Sung	PhD	No Relevant Financial Relationships
Ames	Sutton Hickey	PhD	No Relevant Financial Relationships
Brooke	Sweeney	MD	Speaker relationship with Rhythm (Pharmaceuticals) Consultant relationship with Rhythm (Pharmaceuticals), Eli Lilly (Pharmaceuticals), Nestle (Medical and Non-Medical Food)
Diana	Takahashi	MS	No Relevant Financial Relationships
Neil	Thivalapill	MS	No Relevant Financial Relationships
Diana	Thomas	PhD, FTOS	No Relevant Financial Relationships
Anne	Thorndike	MD, MPH	No Relevant Financial Relationships
Karen	Tracy		Grant relationship with Novo Nordisk (Pharmaceuticals) [Non-Profit Employer received sponsorship funding in support of KAER Toolkit development]
Carmina	Valle	PhD, MPH	No Relevant Financial Relationships
Krista	Varady	PhD	No Relevant Financial Relationships
Dennis	Villareal	MD	No Relevant Financial Relationships
Mengjie (Emma)	Wang	MD, PhD	No Relevant Financial Relationships
Karen	Watson		No Relevant Financial Relationships

Sean	Wharton	MD, FRCPC, PharmD	Advisor relationship with Boehringer Ingelheim (Pharmaceuticals), BioHaven (Pharmaceuticals), Novo Nordisk (Pharmaceuticals), Eli Lilly (Pharmaceuticals) Speaker relationship with Novo Nordisk (Pharmaceuticals), Eli Lilly (Pharmaceuticals)
Ursula	White	PhD	No Relevant Financial Relationships
Denise	Wilfley	PhD	No Relevant Financial Relationships
Erik	Willis	PhD, MPH	No Relevant Financial Relationships
Sandra	Wittleder	PhD	No Relevant Financial Relationships
Ethan	Wolf	BS	No Relevant Financial Relationships
Michael	Wolfe	MD	Consultant relationship with 9 Meters Biopharma (Pharmaceuticals)
Yong	Xu	PhD	No Relevant Financial Relationships
Amy	Yaroch	PhD	No Relevant Financial Relationships
Giles	Yeo	PhD	Speaker relationship with Novo Nordisk (Pharmaceuticals), Eli Lilly (Pharmaceuticals), Rhythm Pharmaceuticals (Pharmaceuticals) Researcher relationship with Novo Nordisk (Pharmaceuticals)
Volkan	Yumuk	MD	Speaker relationship with Novo Nordisk (Pharmaceuticals) Advisor relationship with Novo Nordisk (Pharmaceuticals)

Planner Disclosures: TOS Annual Meeting Program Committee disclosures:

First	Last Name	Degree	Role	Disclosure
Amber	Alhadeff	PhD	T2: Neuroscience	No Relevant Financial Relationships
Timothy	Allerton	PhD, RCEP	T1: Metabolism/Integrative Physiology	No Relevant Financial Relationships
Katherine	Arlinghaus	PhD, RD	T4: Population Health	No Relevant Financial Relationships
John	Batsis	MD, FTOS	T3: Intervention/Clinical Studies	No Relevant Financial Relationships
Marie	Bragg	PhD	T6: Policy/Public Health	No Relevant Financial Relationships
Rebecca	Brown	MD	T1: Metabolism/Integrative Physiology Chair	Contracted Research relationship with Regeneron Pharmaceuticals (Pharmaceuticals) In kind research support relationship with Akcea Therapeutics (Pharmaceuticals), Amryt Pharma (Pharmaceuticals)
Victoria	Catenacci	MD	T3: Intervention/Clinical Studies Co-Chair	No Relevant Financial Relationships
John	Clark	MD, PhD	T6: Policy/Public Health	No Relevant Financial Relationships
Anthony	Comuzzie	PhD, FTOS	TOS CEO	No Relevant Financial Relationships
Brian	Elbel	PhD, MPH	T6: Policy/Public Health	No Relevant Financial Relationships
Mary	Evans	PhD	T4: Population Health	No Relevant Financial Relationships

Angela	Fitch	MD	T5: Clinical/Professional Practice	Corporate Advisory Board relationship with Gelesis (Medical Device), Jenny Craig (Medical Food and Weight Management), Novo Nordisk (Pharmaceuticals) Consulting Fee relationship with Ms Medicine (Weight Management) Stock Options relationship with Found Health (Weight Management; Privately Held Company), Suvie (Food; Privately Held Company)
Jonathan	Flak	PhD	T2: Neuroscience	Researcher relationship with Eli Lilly (Pharmaceuticals)
Amy	Goss	PhD, RDN	T5: Clinical/Professional Practice Chair	Consultant relationship with Novo Nordisk (Pharmaceuticals)
Marcio	Griebeler	MD	T5: Clinical/Professional Practice	Contracted Research relationship with Novo Nordisk (Pharmaceuticals)
Elissa	Jelalian	PhD	T3: Intervention/Clinical Studies	Corporate Advisory Board relationship with WW (Medical Food and Weight Management)
Amy	Luke	PhD	T6: Policy/Public Health Co-Chair	No Relevant Financial Relationships
Sarah	Messiah	PhD, MPH, FTOS	Committee Co-Chair	No Relevant Financial Relationships
Justine	Mucinski	PhD	T1: Metabolism/Integrative Physiology	No Relevant Financial Relationships
Candice	Myers	PhD	T4: Population Health Chair	No Relevant Financial Relationships
Karl	Nadolsky	DO	T5: Clinical/Professional Practice	No Relevant Financial Relationships
Emily	Noble	PhD	T2: Neuroscience Chair	No Relevant Financial Relationships
Elizabeth	Parks	PhD, FTOS	Executive Committee Liaison	Advisor relationship with Simply Good Foods (Medical Food) Consultant relationship with Pfizer (Pharmaceuticals), Corcept (Pharmaceuticals) Stock Options relationship with Sagimet (publicly traded, Pharmaceuticals)
Rebecca	Pearl	PhD	T6: Policy/Public Health Chair	No Relevant Financial Relationships
Hollie	Raynor	PhD	T3: Intervention/Clinical Studies Chair	No Relevant Financial Relationships
Darleen	Sandoval	PhD	T2: Neuroscience Co-Chair	Consultant relationship with Metis Therapeutics (Pharmaceuticals)
Meera	Shah	MD	T5: Clinical/Professional Practice Co-Chair	Researcher relationship with Wholebiome (Supplement)
Marissa	Shams-White	PhD, MSTOM, MS, MPH	T4: Population Health Co-Chair	No Relevant Financial Relationships
Robert	Siegel	MD	T4: Population Health	No Relevant Financial Relationships
Joseph	Skelton	MD, MS	T3: Intervention/Clinical Studies	No Relevant Financial Relationships
Lauren	Sparks	PhD	T1: Metabolism/Integrative Physiology Co-Chair	No Relevant Financial Relationships

Delisha	Stewart	PhD	T1: Metabolism/Integrative Physiology	No Relevant Financial Relationships
Josh	Thaler	MD, PhD	T2: Neuroscience	Publicly-traded Stock relationship with Pfizer (Pharmaceuticals)
Saroja	Voruganti	PhD	ISNN Liaison	No Relevant Financial Relationships
Ursula	White	PhD	Committee Chair	No Relevant Financial Relationships
Brooks	Wingo	PhD	T1: Metabolism/Integrative Physiology	No Relevant Financial Relationships

Reviewer Disclosures: No members of the TOS CME Oversight Committee, charged with the resolution of all relevant conflicts of interest, had any relevant financial relationships while serving on the committee. One member of the committee, Sarah Barenbaum MD, stepped down from the committee when she developed a conflict *after* planning was complete and before speaker content review began.

Bibliography

1. Eisenberg D, Shikora SA, Aarts E, et al. 2022 American Society of Metabolic and Bariatric Surgery (ASMBS) and International Federation for the Surgery of Obesity and Metabolic Disorders (IFSO) Indications for Metabolic and Bariatric Surgery [published correction appears in *Obes Surg*. 2022 Nov 29;:]. *Obes Surg*. 2023;33(1):3-14. doi:10.1007/s11695-022-06332-1
2. CM Apovian “The Obesity Epidemic – Understanding the Disease and the Treatment.” *N Engl J Med* 2016; 374:177-179
3. PR Schauer et al “Bariatric Surgery versus Intensive medical therapy for Diabetes - 5–year outcomes.” *N Engl J Med* 2017; 376:641-651
4. JS Yeh et al. “Obesity and Management of Weight Loss.” *N Engl J Med* 2016; 375:1187-1189
5. E LeBlanc, C Patnode, E Webber, et al "Behavioral and Pharmacotherapy Weight Loss Interventions to Prevent Obesity-Related Morbidity and Mortality in Adults Updated Evidence Report and Systematic Review for the US Preventive Services Task Force." *JAMA*. 2018;320(11):1172-1191 doi:10.1001/jama.2018.7777
6. Louis J Aronne 1, Kevin D Hall 2, John M Jakicic 3, Rudolph L Leibel 4, Michael R Lowe 5, Michael Rosenbaum 4, Samuel Klein 6 “Describing the Weight-Reduced State: Physiology, Behavior, and Interventions”. *Obesity (Silver Spring)*. 2021 Apr;29 Suppl 1(Suppl 1):S9-S24. doi: 10.1002/oby.23086.
7. SB Heymsfield and TA Wadden “Mechanisms, Pathophysiology, and Management of Obesity.” *N Engl J Med* 2017;376:254-266
8. MW Schwartz, RJ Seeley, LM Zeltser, A Drewnowski, E Ravussin, LM Redman, RL Leibel “Obesity Pathogenesis.” *Endocr Rev*. 2017 Aug 1;38(4):267-296.
9. AG Tsai et all, “Evidence of a Gap in Understanding, Obesity Among Physicians.” *Obesity, Science and Practice Online* 1/12/18, DOI: 10/1002/asp4.416
10. MacLean PS, Rothman AJ, Nicastro HL, Czajkowski SM, Agurs-Collins T, Rice EL, Courcoulas AP, Ryan DH, Bessesen DH, Loria CM. The Accumulating Data to Optimally Predict Obesity Treatment (ADOPT) Core Measures Project: Rationale and Approach. *Obesity (Silver Spring)*. 2018 Apr;26 Suppl 2:S6-S15. doi: 10.1002/oby.22154.
11. Hampl SE, Hassink SG, Skinner AC, et al. “Clinical Practice Guideline for the Evaluation and Treatment of Children and Adolescents With Obesity” [published online ahead of print, 2023 Jan 9]. *Pediatrics*. 2023;e2022060640. doi:10.1542/peds.2022-060640.

12. Hampl SE, Hassink SG, Skinner AC, et al. Clinical Practice Guideline for the Evaluation and Treatment of Children and Adolescents With Obesity. *Pediatrics*. 2023;151(2): e2022060640
13. D Al-Hamad, V Raman "Metabolic syndrome in children and adolescents." *Transl Pediatr*. 2017 Oct;6(4):397-407.
14. EA O'Connor, CV Evans, BU Burda, ES Walsh, M Eder, P Lozano "Screening for Obesity and Intervention for Weight Management in Children and Adolescents: Evidence Report and Systematic Review for the US Preventive Services Task Force." *JAMA*. 2017 Jun 20;317(23):2427-2444.
15. J Pratt, A Browne, N Browne, M Bruzoni, M Cohen, A Desai, T Inge, B Linden, S Mattar, M Michalsky, D Podkammeni, K Reichard, F Cody Stanford, M Zeller, J Zitsman "ASMBS Pediatric Metabolic and Bariatric Surgery Guidelines,2018" *Surgery for Obesity and Related Diseases* 2018: 14: 882-901.
16. G Srivastava, C Fox, A Kelly, A Jastreboff, A Browne, N Browne, J Pratt, C Bolling, M Michalsky, S Cook, C Lenders, C Apovian "Clinical Considerations Regarding the Use of Obesity Pharmacotherapy in Adolescents with Obesity" *Obesity* 24 Jan 2019: 27: 190-204.
17. Cardel M, Jastreboff AM, Kelly A. Treatment of Adolescent Obesity in 2020. *JAMA Insights*. 2019 September 30.
18. Dennis M. Styne, Silva A. Arslanian, Ellen L. Connor, Ismaa Sadaf Farooqi, M. Hassan Murad, Janet H. Silverstein, Jack A. Yanovski, *Pediatric Obesity—Assessment, Treatment, and Prevention: An Endocrine Society Clinical Practice Guideline*, *The Journal of Clinical Endocrinology & Metabolism*, Volume 102, Issue 3, 1 March 2017, Pages 709–757, <https://doi.org/10.1210/jc.2016-2573>
19. <https://publications.aap.org/pediatrics/article/151/2/e2022060640/190443/Clinical-Practice-Guideline-for-the-Evaluation-and>
20. Talumaa, B., Brown, A., Batterham, R. L., & Kalea, A. Z. (2022). Effective strategies in ending weight stigma in healthcare. *Obesity Reviews*, 23(10), e13494.
21. Puhl, R. M., Himmelstein, M. S., & Pearl, R. L. (2020). "Weight stigma as a psychosocial contributor to obesity". *American Psychologist*, 75(2), 274–289. <https://doi.org/10.1037/amp0000538>
22. Pamela L Thornton 1, Shiriki K Kumanyika 2, Edward W Gregg 3, Maria R Araneta 4, Monica L Baskin 5, Marshall H Chin 6, Carlos J Crespo 7, Mary de Groot 8, David O Garcia 9, Debra Haire-Joshu 10, Michele Heisler 11, Felicia Hill-Briggs 12, Joseph A Ladapo 13, Nangel M Lindberg 14, Spero M Manson 15, David G Marrero 16, Monica E Peek 6, Alexandra E Shields 17, Deborah F Tate 18, Carol M Mangione 19 "New research directions on disparities in obesity and type 2 diabetes" 2020 Feb;1461(1):5-24. doi: 10.1111/nyas.14270. Epub 2019 Dec 3.
23. AcQasim, M Turcotte, RJ de Souza, MC Samaan, D Champredon, J Dushoff, JR Speakman, D Meyre "On the origin of obesity: identifying the biological, environmental and cultural drivers of genetic risk among human populations." *Obes Rev*. 2018 Feb;19(2):121-149.
24. N Hayba, SR Partridge, MM Nour, A Grech, M Allman Farinelli "Effectiveness of lifestyle interventions for preventing harmful weight gain among young adults from lower socioeconomic status and ethnically diverse backgrounds: a systematic review." *Obes Rev*. 2017 Nov 26.
25. GC Porter, K Laumb, T Michaud, F Brito, D Petreca, G Schwieger, T Bartee, KHK Yeary, PA Estabrooks "Understanding the impact of rural weight loss interventions: A systematic review and meta-analysis." *Obes Rev*. 2019 Jan 11. doi: 10.1111/obr.12825.
26. G Chen, A Doumatey, J Zhou, L Lei, A Bentley, O Fasanmade, G Okafor, B Eghan Jr, K Agyenim-Boateng, A Amoah, C Adebamowo, J Acheampong, T Johnson, J Oli, D Shriner, A Adeyemo, and C Rotimi1 "Genome-wide analysis identifies an African- specific variant in SEMA4D that is associated with Body Mass Index." *Obesity* 2017 April ; 25(4): 794–800. doi:10.1002/oby.21804.
27. National Academies of Sciences, Engineering, and Medicine, Health and Medicine Division, Food and Nutrition Board, Roundtable on Obesity Solutions. "The Challenge of Treating Obesity and Overweight: Proceedings of a Workshop." Washington (DC): National Academies Press (US); 2017 Dec 21.

28. SB Heymsfield and TA Wadden "Mechanisms, Pathophysiology, and Management of Obesity." N Engl J Med 2017;376:254-266
29. JS Yeh et al. "Obesity and Management of Weight Loss." N Engl J Med 2016; 375:1187-1189
30. DA Williamson "Fifty Years of Behavioral/Lifestyle Interventions for Overweight and Obesity: Where Have We Been and Where Are We Going?" Obesity (Silver Spring). 2017 Nov;25(11):1867-1875.
31. E LeBlanc, C Patnode, E Webber, et al "Behavioral and Pharmacotherapy Weight Loss Interventions to Prevent Obesity-Related Morbidity and Mortality in Adults Updated Evidence Report and Systematic Review for the US Preventive Services Task Force." JAMA. 2018;320(11):1172-1191. doi:10.1001/jama.2018.7777
32. DE Wilfley, AE Staiano, M Altman, J Lindros, A Lima, SG Hassink, WH Dietz, S Cook "Improving Access and Systems of Care for Evidence-Based Childhood Obesity Treatment Conference Workgroup." Obesity (Silver Spring). 2017 Jan;25(1):16-29.
33. C Baum, K Andino, E Wittbrodt, S Stewart, K Szymanski, R Turpin "The Challenges and Opportunities Associated with Reimbursement for Obesity Pharmacotherapy in the USA" Pharmacoeconomics. 2015 Jul;33(7):643-53.
34. AS Chawla, CW Hsiao, MC Romney, R Cohen, F Rubino, P Schauer, P Cremieux "Gap Between Evidence and Patient Access: Policy Implications for Bariatric and Metabolic Surgery in the Treatment of Obesity and its Complications." Pharmacoeconomics. 2015 Jul;33(7):629-41.
35. N Jannah, J Hild, C Gallagher, and W Dietz "Coverage for Obesity Prevention and Treatment Services: Analysis of Medicaid and State Employee Health Insurance Programs" Obesity 2018 Dec; 26(12): 1834-1840.

Disclaimer

These materials and all other materials provided in conjunction with continuing medical education activities are intended solely for the purposes of supplementing continuing medical education programs for qualified health care professionals. Anyone using the materials assumes full responsibility and all risk for their appropriate use. The Obesity Society makes no warranties or representations whatsoever regarding the accuracy, completeness, currentness, noninfringement, merchantability or fitness for a particular purpose of the materials. In no event will The Obesity Society be liable to anyone for any decision made or action taken in reliance on the materials. In no event should the information in the materials be used as a substitute for professional care.

This document was last updated November 15, 2023.