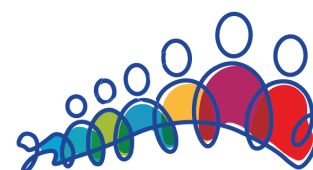


Endocrine Abstracts

May 2025 Volume 110
ISSN 1479-6848 (online)

Joint Congress of the European
Society for Paediatric Endocrinology
(ESPE) and the European Society of
Endocrinology (ESE) 2025: Connecting
Endocrinology Across the Life Course

10–13 May 2025, Copenhagen, Denmark



Connecting Endocrinology
Across the Life Course

Joint Congress of ESPE and ESE 2025
Copenhagen, Denmark. 10–13 May 2025

ESPE

European Society for
Paediatric Endocrinology



European Society
of Endocrinology



published by
bioscientifica

Online version available at
www.endocrine-abstracts.org



Joint Congress of the European Society for Paediatric Endocrinology (ESPE) and the European Society of Endocrinology (ESE) 2025: Connecting Endocrinology Across the Life Course

10–13 May 2025, Copenhagen, Denmark

Joint Steering Committee (JSC)

JOINT CHAIRS:

Anita Hokken-Koelega (The Netherlands) ESPE President and Jérôme Bertherat (France) ESE President

ESPE Representatives

Peter Kühnen (Germany)
Chair of the ESPE Programme Organising Committee
Mohamad Maghnie (Italy)
Chair of the ESPE Corporate Liaison Board
Rasa Verkauskiene (Lithuania)
Chair of the ESPE Strategic and Finance Committee
Nils Krone & Mehul Dattani (UK)
ESPE Programme Organising Committee Members

ESE Representatives

Cynthia Andoniadou (UK)
ESE Congress Committee Chair
Wiebke Arlt (UK)
ESE President-Elect
Sebastian Neggers (The Netherlands)
ESE Treasurer

Joint Scientific Programme Committee (JSPC)

JOINT CHAIRS:

Peter Kühnen (Germany) Chair of the ESPE Programme Organising Committee and
Cynthia Andoniadou (UK) ESE Congress Committee Chair

ESPE Representatives

Nils Krone (UK)
Mehul Dattani (UK)
Anders Juul (Denmark)
Katharina Main (Denmark)
Zdeněk Šumník (Czech Republic)

ESE Representatives

Frederic Castinetti (France)
Aylin Hanyaloglou (UK)
Martin Fassnacht (Germany)
Aleksandra Buha Djordjevic (Serbia)
Peter Lommer Kristensen (Denmark)

ESPE Programme Committee

Jacques Beltrand (France), Stefano Cianfarani (Italy),
Sasha Howard (UK), Rachel Reynaud (France), Paul van
Trotsenburg (The Netherlands), Malgorzata Wasniewska
(Italy), Ram Weiss (Israel)
Young Endocrinologists (YES) Group Representative:
Hussain Alsaffar (Oman)

ESE Programme Committee

Krystallinia Alexandraki (Greece), Matthias Bluher
(Germany), Sheerazad Boulkroun (France), Philippe
Caron (France), Pauliina Damdimopoulou (Sweden),
Silvia Grottoli (Italy), Mojca Jensterle (Slovenia),
Gudmunder Johannsson (Sweden), Tim Korevaar (The
Netherlands), Raul Luque (Spain), Luis Perez-Rivas
(Germany), Flavia Prodrum (Italy), Nadia Schoenmakers
(UK), Elena Tsourdi (Germany), Elizabeth Winter (The
Netherlands), Lina Zabulienė (Lithuania)
ESE Young Endocrinologists and Scientists (EYES)
Representative: Barbara Altieri (Germany)
Nurse Representative: Kirsten Davidse (The Netherlands)

Joint Local Organising Committee (JLOC)

Anders Juul (Denmark)
Katharina Main (Denmark)
Peter Lommer Kristensen (Denmark)
Dorte Glinthborg (Denmark)
Stina Willemoes Borresen (Denmark) (Chair of the Danish Society of Young Endocrinologists)

Abstract Marking Panel

Abali, Saygin	Macut, Djuro	Pilz, Stefan	Svensson, Jannet
Ahmed, Faisal	Maes, Christa	Pohlenz, Joachim	Szinnai, Gabor
Aksklaede, Lise	Maiter, Dominique	Polak, Michel	Tabarin, Antoine
Alexandraki, Krystallenia	Makras, Polyzois	Polyzos, Stergios	Tauschmann, Martin
Allgrove, Jeremy	Malecka-tendera, Ewa	Popovic, Jadranka	Ten, Svetlana
Alonso-Magdalena, Paloma	Manco, Melania	Poutanen, Matti	Tena-Sempere, Manuel
Altieri, Barbara	Mannelli, Massimo	Power, Deborah	Tenenbaum-rakover, Yarden
Alvarez, Clara	Mantero, Franco	Prasad, Rathi	Terzolo, Massimo
Audi, Laura	Mantovani, Giovanna	Prevot, Vincent	Theiler-Schwetz, Verena
Barlier, Anne	Marazuela, Monica	Prodham, Flavia	Theodoropoulou, Marily
Beuschlein, Felix	Marina, Ljiljana	Pruhova, Stepanka	Tigas, Stelios
Blüher, Matthias	Martin, David	Pyrzak, Beata	Timmers, Henri
Bolanowski, Marek	Martínez-Barbera, Juan Pedro	Quintos, Jose Bernardo	Toledo, Rodrigo
Buyukgebiz, Atilla	Martins, Ana Sofia	Radian, Serban	Tomlinson, Jeremy
Caron, Philippe	Matikainen, Niina	Ragnarsson, Oskar	Toppari, Jorma
Castro-Feijoo, Lidia	McCabe, Christopher	Rahman, Nafis	Tóth, Miklós
Çetinkaya, Semra	McElreavey, Ken	Raimann, Adalbert	Touraine, Philippe
Christiansen, Peter	Meijer, Onno	Rajpert-De Meyts, Ewa	Trifanescu, Raluca
Christoforidis, Athanasios	Mendonca, Berenice	Ramhøj, Louise	Tsagarakis, Stylianos
Chrousos, George	Messina, Andrea	Randell, Tabitha	Tsourd, Elena
Cianfarani, Stefano	Messina, Maria Francesca	Rauner, Martina	Tzanela, Marinella
Coutant, Regis	Metherell, Louise	Raverot, Gerald	Uday, Suma
Craen, Margarta	Miljic, Dragana	Reincke, Martin	Ugege, Modupe
Dahlgren, Jovanna	Miller, Bradley	Rejmark, Lars	Underbjerg, Line
Daly, Adrian	Minnetti, Marianna	Rey, Rodolfo A.	Valerio, Giuliana
Damdimopoulou, Pauliina	Miras, Mirta Beatriz	Richter-Unruh, Annette	van den Akker, Erica
De Sanctis, Luisa	Mitchell, Rod	Riedl, Stefan	van der Lely, Aart Jan
Decker, Ralph	Mittag, Jens	Rizzoti, Karine	Van Eck, Judith
Delemer, Brigitte	Morin-Papunen, Laure	Robledo, Mercedes	van Hul, Wim
Deodati, Annalisa	Mortensen, Li Juel	Rogol, Alan	van Santen, Hanneke
Dumitrescu, Cristina	Mouritsen, Annette	Roman, Gabriella	van Trotsenburg, Paul
Elbarbary, Nancy Samir	Mukherjee, Abir	Romijn, Hans	Vantghem, Marie-Christine
Fernandes-Rosa, Fabio	Murray, Philip	Ronchi, Cristina L	Vassiliadi, Dimitra
Finken, Martijn	Musat, Madalina	Ross, Richard	Vila, Greisa
Gherlan, Iuliana	Muzsnai, Agota	Ruchala, Marek	Vilmann, Lea
Glasberg, Simona	Nacu, Anda Mihaela	Rutten, Elizabeth	Visser, Edward
Goulis, Dimitrios	Namba, Noriyuki	Sachs, Laurent	Vlachopapadopolou, Elpis
Gravholt, Claus	Neggers, Sebastian	Salerno, Maria Carolina	Volke, Vallo
Grossman, Ashley D.	Newell-Price, John	Samaan, M. Constantine	Vukovic, Rade
Guercio, Gabriela	Nicolaides, Nicolas	Santi, Daniele	Wasniewska, Malgorzata
Guran, Tulay	Niculescu, Dan Alexandru	Saponaro, Federica	Wass, John
Höybye, Charlotte	Niedziela, Marek	Saunders, Philippa	Weiss, Ram
Hubalewska-Dydeczyk, Alicja	Nikolaou, Nikolaos	Scaramuzza, Andrea	Werther, George
Ilias, Ioannis	Nixon, Mark	Schaln-Jantti, Camilla	Widimsky, Jiri
Jensterle, Mojca	Nogueiras, Rubén	Schepper Jean, De	Wilding, John
Johannsson, Gudmundur	Nordenström, Anna	Schopohl, Jochen	Williams, Tracy Ann
Kanaka-Gantenbein, Christina	Obermayer-Pietsch, Barbara	Schulte, Dominik	Winter, Elizabeth M.
Kandaraki, Eleni	Olarescu, Nicoleta Cristina	Schwarz, Peter	Wirth, Eva
Kjærsgaard, Per	Oliveira, Pedro F:	Semler, Jörg	Wit, Jan Maarten
Klee, Philippe	Olsson, Daniel S.	Senniappan, Senthil	Witchel, Selma
Konrade, Ilze	Ong, Ken K.	Shah, Pratik	Woelfle, Joachim
Korevaar, Tim	Opitz, Robert	Shaikh, M Guftar	Wójcik, Malgorzata
Krone, Nils	Pagotto, Uberto	Shestakova, Ekaterina	Wong, Sc
Krsek, Michal	Pandey, Amit	Shestakova, Marina	Wood, Claire
Laetitia, Martinerie	Papadimitriou, Dimitrios	Shimon, Ilan	Wudy, Stefan
Le Tissier, Paul	Patocs, Attila	Sikjaer, Tanja	Yadav, Sangita
Lefebvre, Hervé	Pearce, Simon	Siklar, Zeynep	yavropoulou, maria
Leger, Juliane	Pedicelli, Stefania	Simoni, Manuela	Yeoh, Phillip
Li, Dong	Peeters, Robin	Skae, Mars	Yildiz, Bulent
Lim, Sharon	Pekic Djurdjevic, Sandra	Skordis, Nicos	Zabulienė, Lina
Lips, Paul	Perez-Rivas, Luis Gustavo	Söderlund, Sanni	Zacharin, Margaret
Livia Gheorghiu, Monica	perrild, hans	Soucek, Ondrej	Zandee, Wouter
Llahana, Sofia	Perry, Rebecca	Stalla, Günter Karl	Zangen, David
Loche, Sandro	Persani, Luca	Steenblock, Charlotte	Zarkovic, Milos
Loli, Paola	Perseghin, Gianluca	Stefanaki, Charikleia	Zatelli, Maria Chiara
Luger, Anton	Peter, Igaz	Steichen, Elisabeth	Zennaro, Maria-Christina
Lungu, Adrianacatalin	Pfeifer, Marija	Stimson, Roland	Zilaitiene, Birute
Luque, Raul M.	Piekielko-Witkowska, Agnieszka	Storbeck, Karl	Zillikens, Carola
M. Winter, Elizabeth	Pignatelli, Duarte	Street, Maria	Zwaveling-Soonawala, Nitash
MacKenzie, Scott	Pilgaard, Kasper	Sumnik, Zdenek	

The Joint Congress of ESPE and ESE 2025 would like to thank the following industry partners for their support of the 2025 Congress in Copenhagen.

Platinum sponsors

Ascendis Pharma

Merck

Novo Nordisk

Gold Sponsors

BioMarin

Pfizer

Sandoz

Bronze Sponsors

Alexion, AstraZeneca Rare Disease

Amgen

BridgeBio

Camurus AB

Chiesi

Crinetics Pharmaceuticals

ESTEVE

Immunovant

Inozyme

Kyowa Kirin International

Mereo Biopharma

Neurocrine Biosciences

Recordati Rare Diseases

Rhythm Pharmaceuticals

Sanofi

Soleno Therapeutics Europe Ltd

Uni-Pharma

Supporter

iCare World

Ipsen

CONTENTS

Joint Congress of ESPE and ESE 2025 Connecting Endocrinology Across the Life Course

PRIZE LECTURES

Endocrinology Across the Life Course Award	AW1
The Geoffrey Harris Award Lecture	AW2
Andrea Prader Award	AW3
Research Award	AW5
The <i>European Journal of Endocrinology</i> Award Lecture	AW6
Outstanding Clinician Award & The International Outstanding Clinician Award	AW7.1–AW7.2
Clinical Endocrinology Journal Foundation Award Lecture	AW8
International Research Award and The Hormone Research in Paediatrics Prize	AW9
European Hormone Medal Award Lecture	AW10
ESPE Young Investigator Awards	AW11
Jens Sandahl Christiansen Awards	AW12.1–AW12.2
Henning Andersen Award Presentations	HA1–HA2

PLENARY LECTURES	PL1–PL7
----------------------------	---------

SYMPOSIA	S1.1–S40.3, SS1.1–SS1.3
--------------------	-------------------------

DEBATE SESSIONS	D1.1–D3.2
---------------------------	-----------

MEET THE EXPERT BASIC SCIENTIST SESSIONS	MTEBS1–MTEBS7
--	---------------

MEET THE EXPERT SESSIONS	MTE1–MTE18
------------------------------------	------------

PRE-CONGRESS COURSES	PCC1.1–PCC2.14
--------------------------------	----------------

NURSES' PRE-CONGRESS COURSE	PCC3.1–PCC3.3
---------------------------------------	---------------

NURSES' SESSIONS	N1.1–N3.4
----------------------------	-----------

GUIDELINES	GU1.1–GU3.2
----------------------	-------------

HOW DO I SESSIONS	H1.1–H2.2
-----------------------------	-----------

ORAL COMMUNICATIONS

Oral Communications 1: Adrenal and Cardiovascular Endocrinology	OC1.1–OC1.6
Oral Communications 2: Diabetes and Insulin Part 1	OC2.1–OC2.6
Oral Communications 3: Metabolism and Aging	OC3.1–OC3.6
Oral Communications 4: Pituitary, Neuroendocrinology and Puberty Part 1	OC4.1–OC4.6
Oral Communications 5: Reproductive and Developmental Endocrinology Part 1	OC5.1–OC5.6
Oral Communications 7: Bone and Mineral Metabolism	OC7.1–OC7.9
Oral Communications 8: Diabetes and Insulin Part 2	OC8.1–OC8.6
Oral Communications 9: Endocrine Related Cancer	OC9.1–OC9.5
Oral Communications 10: Pituitary, Neuroendocrinology and Puberty Part 2	OC10.1–OC10.6
Oral Communications 11: Thyroid Part 1	OC11.1–OC11.6
Oral Communications 13: Adrenal and Cardiovascular Endocrinology Part 2	OC13.1–OC13.6
Oral Communications 14: Growth Axis and Syndromes	OC14.1–OC14.6
Oral Communications 15: Metabolism, Nutrition and Obesity	OC15.1–OC15.6
Oral Communications 16: Reproductive and Developmental Endocrinology Part 2	OC16.1–OC16.6

RAPID COMMUNICATIONS

Rapid Communications 1: Adrenal and Cardiovascular Endocrinology	RC1.1–RC1.6
Rapid Communications 2: Diabetes and Insulin Part 1	RC2.1–RC2.6
Rapid Communications 3: Metabolism and Aging	RC3.1–RC3.6
Rapid Communications 4: Pituitary, Neuroendocrinology and Puberty Part 1	RC4.1–RC4.6
Rapid Communications 5: Reproductive and Developmental Endocrinology Part 1	RC5.1–RC5.6
Rapid Communications 8: Diabetes and Insulin Part 2	RC8.1–RC8.6
Rapid Communications 9: Endocrine Related Cancer	RC9.1–RC9.5
Rapid Communications 10: Pituitary, Neuroendocrinology and Puberty Part 2	RC10.1–RC10.6
Rapid Communications 11: Thyroid Part 1	RC11.1–RC11.6
Rapid Communications 13: Adrenal and Cardiovascular Endocrinology Part 2	RC13.1–RC13.6
Rapid Communications 14: Growth Axis and Syndromes	RC14.1–RC14.6
Rapid Communications 15: Metabolism, Nutrition and Obesity	RC15.1–RC15.6
Rapid Communications 16: Reproductive and Developmental Endocrinology Part 2	RC16.1–RC16.6

POSTER PRESENTATIONS

Adrenal and Cardiovascular Endocrinology	P1–P3, P31–P199
Bone and Mineral Metabolism	P4–P6, P200–P309
Diabetes and Insulin	P7–P9, P310–P455
Endocrine Related Cancer	P10–P12, P456–P530
Environmental Endocrinology	P13–P14, P531–P548
Fetal and Neonatal Endocrinology	P15–P16, P549–P562
Growth Axis and Syndromes	P17–P18, P563–P651
Metabolism, Nutrition and Obesity	P19–P20, P652–P781
Multisystem Endocrine Disorders	P21–P22, P782–P822
Pituitary, Neuroendocrinology and Puberty	P23–P25, P823–P984
Reproductive and Developmental Endocrinology	P26–P27, P985–P1078
Thyroid	P28–P30, P1080–P1223

EPOSTER PRESENTATIONS

Adrenal and Cardiovascular Endocrinology	EP1–EP171
Bone and Mineral Metabolism	EP172–EP315
Diabetes and Insulin	EP316–EP563
Endocrine Related Cancer	EP564–EP666
Environmental Endocrinology	EP667–EP690
Fetal and Neonatal Endocrinology	EP691–EP717
Growth Axis and Syndromes	EP719–EP850
Metabolism, Nutrition and Obesity	EP851–EP1014
Multisystem Endocrine Disorders	EP1015–EP1066
Pituitary, Neuroendocrinology and Puberty	EP1067–EP1292
Reproductive and Developmental Endocrinology	EP1293–EP1425
Thyroid	EP1426–EP1624

AUTHOR INDEX