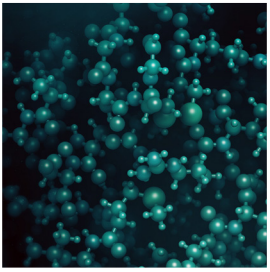
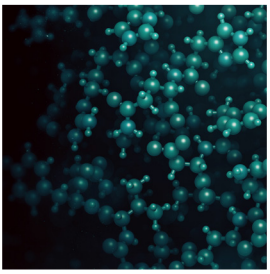
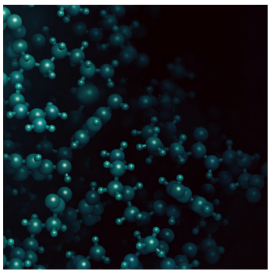
SCIENTIFIC SEMINARS
INTERNATIONAL FOUNDATION

LIVE WEBINAR

Investigation and Diagnosis of Proportional and Non-Proportional Short Stature







Thursday, 18 June 2020

from 13:00 to 14:00 CEST
from 08:00 to 09:00 ART
from 20:00 to 21:00 KST

With the endorsement of / Con il patrocinio di:

Carlo Poma

Sistema Socio Sanitario
Regione Lombardia
ASST Mantova

SIEDP

OVERVIEW

The first clinical evaluation of children with short stature is often the beginning of a diagnostic path involving both human and economic resources to reach a correct diagnosis. Short stature can have many etiologies, including being a normal variant of growth, general pediatric diseases, dysmorphic and chromosomal syndromes and endocrine disorders. A standardized approach consists firstly of a clinical assessment:

- History
- Auxological observations
- Clinical examination
- Consideration of differential diagnosis

The next step is to screen for chronic illnesses and general pediatric disorders, e.g., Coeliac disease, Crohn's disease, hypothyroidism, Turner syndrome etc. The next step is to start endocrine investigations. Baseline thyroid function tests and IGF-I can be helpful at this stage. Dynamic tests consist of growth hormone (GH) stimulation test, which, although non-physiological, can distinguish severe GH deficiency from non-GH deficient short stature. Other tests such as the IGF-I generation test, IGFBP-3 etc are less informative. Additional tests, such as genetic analysis (candidate gene sequencing or whole exome sequencing), can then be considered.

This live webinar will address the crucial aspects of investigations of short stature. Professor Martin Savage from London (UK) and Dr Marco Cappa from Rome (Italy), two of the foremost clinical experts in the field of growth disorders worldwide, will guide participants through the correct initial clinical assessment of children with short stature attending clinic for the first time. Once the initial distinction is made between proportional or non-proportional short stature, Professor Savage and Dr Cappa will provide an overview on investigations, diagnoses and follow-up.

LEARNING OBJECTIVES

By attending this live webinar, participants will be able to:

- Manage a correct clinical assessment of children with short stature
- Make a correct differential diagnosis according to the clinical history and physical examination
- Set-up biochemical, imaging and genetic investigations to save time, human and economical resource

TARGET AUDIENCE

This live webinar is intended for all healthcare providers involved in the care of diseases affecting growth in childhood. The content will be particularly relevant to specialist care providers, including pediatric endocrinologists, scientists, pediatricians involved in chronic disease care and pediatric nurses. However, any healthcare professionals involved in managing children with chronic conditions affecting growth and their quality of life will find this online event advantageous for his/her professional development.

LANGUAGE

The official language of this live educational webinar is English.
Simultaneous translation into Spanish and Korean will be provided.

PRE-REGISTRATION AND SURVEY

To access the live webinar, please register by clicking on the below link: **https://www.elearning.scientificseminars.com/the-2020-digital-learning-journey-on-growth-disorders/live-webinar-18-06/** and complete a very short survey covering your current knowledge of the subject matter prior to attending the webinar.

CONTINUING MEDICAL EDUCATION

The Investigation and Diagnosis of Proportional and Non-proportional Short Stature, 18/06/2020 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with **1 European CME credit (ECMEC®)**. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME® credit to AMA credit can be found at www.ama-assn.org/education/earn-credit-participation-international-activities.

Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

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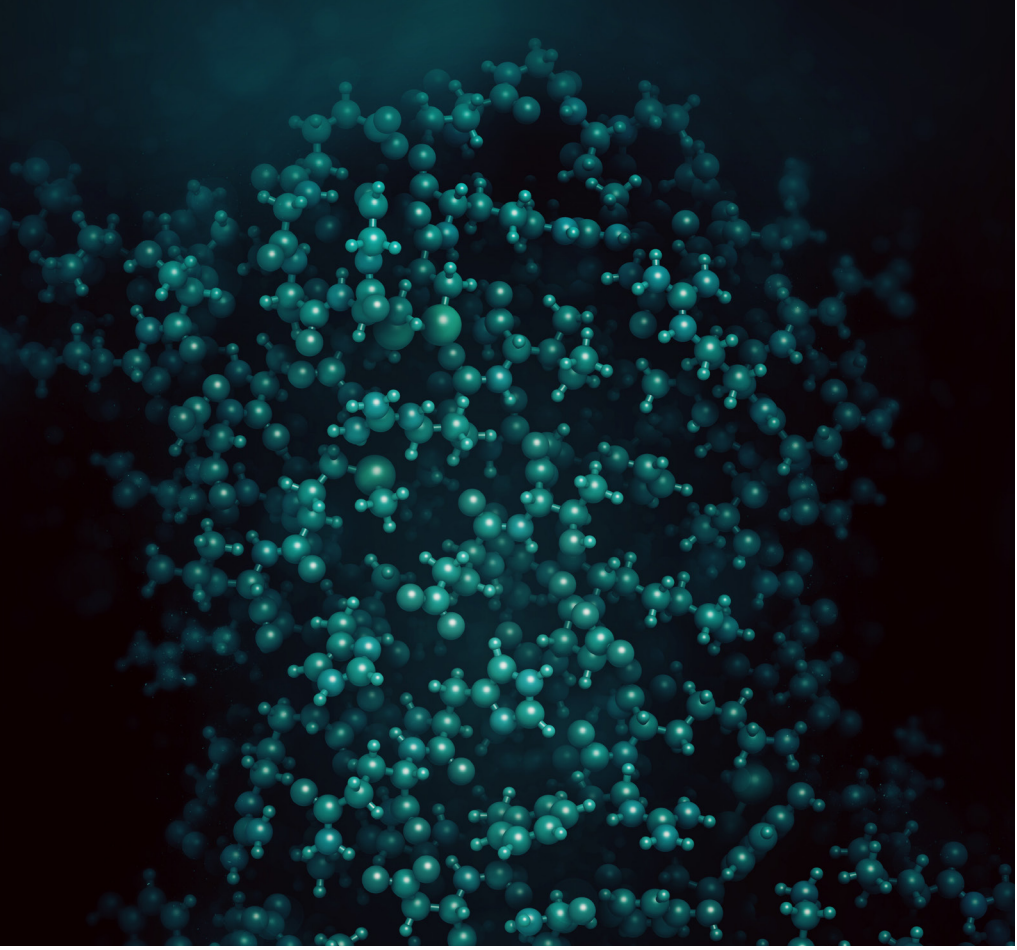

FACULTY

Marco Cappa
Director of Endocrinology Unit
Bambino Gesù Children's Hospital
IRCCS, Rome, Italy

Claudio Giacomozzi
Pediatric Endocrinology Unit
Carlo Poma Hospital
ASST-Mantova, Italy

Martin Savage
Emeritus Professor of Pediatric Endocrinology
The William Harvey Research Institute
London, UK

THURSDAY, 18 JUNE 2020
from 13:00 to 14:00 CEST

13.00		**Welcome and introduction** C. Giacomozzi (Italy)
13.05	**L1**	**Proportional Short Stature** M. Savage (UK)
13.25	**L2**	**Non-Proportional Short Stature** M. Cappa (Italy)
13.45	**P**	**Panel discussion**
13.55		**Closing remarks** C. Giacomozzi (Italy)
14.00		**End of the live webinar**

LEGEND
L: Lecture; **P**: Panel discussion

FACULTY DISCLOSURES

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We ask all presenters to provide participants with information about relationships with pharmaceutical or medical equipment companies that may have relevance to their lectures. This policy is not intended to exclude faculty who have relationships with such companies; it is only intended to inform participants of any potential conflicts so that participants may form their own judgements, based on full disclosure of the facts. Further, all opinions and recommendations presented during the program and all program-related materials neither imply an endorsement nor a recommendation on the part of Scientific Seminars International Foundation. All presentations represent solely the independent views of the presenters/authors.

The following faculty provided information regarding significant commercial relationships and/or discussions of investigational or non-EMEA/FDA approved (off-label) uses of drugs:

Marco Cappa	Declared receipt of honoraria or consultation fees from Sandoz and Novo Nordisk.
Claudio Giacomozzi	Declared receipt of grants/research supports from Lilly, of honoraria or consultation fees from Ferring and Sandoz, and participation in Novo Nordisk speaker's bureau.
Martin Savage	Declared receipt of honoraria or consultation fees from Ibsen, Novo Nordisk, Merck KGaA Darmstadt, Pfizer and Sandoz.

L1

Proportional Short Stature

Martin Savage (UK)

LEARNING OBJECTIVES

- How to distinguish proportional short stature, the physical and auxological examination
- When short stature should be investigated because an underlying systemic disorder should be suspected
- How to classify proportional short stature
- How to drive initial investigations
- Endocrine investigations, specifically of the GH-IGF-I axis
- When should genetic investigation be requested? And which kind of genetic examination should be requested first?
- Should patients with idiopathic short stature continue to be investigated until the underlying genetic cause is detected?

Martin Savage

Martin Savage is Professor emeritus of Pediatric Endocrinology at William Harvey Research Institute, Barts and the London School of Medicine and Dentistry, Queen Mary, University of London, (UK), following 15 years as head of the Paediatric Endocrine Unit at Barts and the London School of Medicine. He is a clinician with clinical and research interests in growth disorders - specifically those involving abnormalities in the growth hormone-IGF-1 axis. His main research field has been the phenotype- genotype relationships of GH-IGF-1 axis defects, notably growth hormone resistance. He published the first human case of an IGF-1 gene defect in the New England Journal of Medicine in 1996. His other clinical interests are Cushing's syndrome and growth in chronic inflammatory diseases. He was General Secretary of the European Society for Paediatric Endocrinology (ESPE) from 1997 to 2004. Professor Savage has lectured in 59 countries world-wide and has published more than 450 original articles, reviews, textbook chapters and books. In 2007, he was awarded the ESPE Andrea Prader Prize for contributions to Paediatric Endocrinology and in 2018 he received a Visionary Award from the American Human Growth Foundation. He continues to lecture nationally and internationally.

L2

Non-Proportional Short Stature

Marco Cappa (Italy)

LEARNING OBJECTIVES

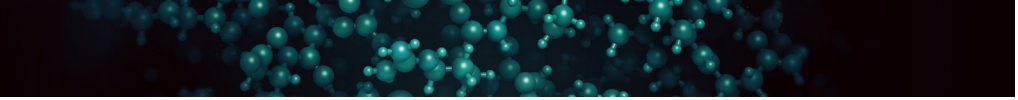
- How to distinguish non-proportional short stature, physical and auxological examination
- How to classify non-proportional short stature
- How to drive initial investigations according to the classification
- Genetic or hormone investigation: which to request first? and what kind?
- Role of next generation sequencing (NGS) panels in the diagnosis of non-proportional short stature
- Quality of life of patients with severe non-proportional short stature. The challenge of providing family and patient with correct information about their diagnosis and what their future holds.

Marco Cappa

Professor Marco Cappa is Chief of the Endocrinology Unit of the University-Hospital, Bambino Gesu Children's Hospital in Rome, Italy, Professor of Pediatric Endocrinology and Genetics at the Catholic University of Rome, and of Endocrinology and Pediatrics at the University 'La Sapienza'.

His specialties include endocrinology, pediatrics and sports medicine, and his work encompasses child obesity, growth hormone testing, adrenoleukodystrophy, Congenital Adrenal Hyperplasia, type 1 diabetes, obesity and Prader Willi syndrome.

He served as President of the Italian Society for Pediatric Endocrinology and Diabetology From 2011 to 2013, and is a widely published author, having published more than 310 papers in many journals, including Journal of Clinical Endocrinology and Metabolism, Journal of Pediatrics, Hormone Research in Paediatrics, American Journal of Medical Genetics, American Journal of Human Genetics, PLoS ONE, Neurology, the Journal of Pediatric Endocrinology and Metabolism and the Lancet. His H-index is 37.



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