

CHANNEL 1

13:00 - 14:45

OPENING CEREMONY

Laszlo Hegedüs (Denmark) & Leonidas Duntas (Greece)

A YEAR IN.... CLINICAL THYROIDOLOGY

Simon Pearce (United Kingdom)

TOPIC HIGHLIGHTS

CHAIRS: Laszlo Hegedüs (Denmark) & Leonidas Duntas (Greece)

The presence of a whole tumor capsule identifies a subgroup of indolent cases not only among the follicular variant but also in classical variant of papillary thyroid cancer

Carlotta Giani (Italy)

Characterization of the cellular heterogeneity of human thyroid tissue by single cell transcriptomics

Robert Opitz (Germany)

Statins for Graves' Orbitopathy (STAGO): preliminary results of a phase II randomized clinical trial

Giulia Lanzolla (Italy)

Illuminating thyroid development and growth using the zebrafish model system

Sumeet Singh (Belgium)

14:45 - 15:00 *Time to visit the Exhibition and Poster Hall*

15:00 - 16:00

ETA Industry-sponsored
SATELLITE SYMPOSIUM 1
THYROID UPDATE

CHAIR & MODERATION: George Kahaly (Germany)

CO-CHAIR: Birte Nygaard (Denmark)

Novel management strategies in thyroid autoimmunity

Simon Pearce (United Kingdom)

Thyroid dysfunction and diabetes mellitus.

Bernadette Biondi (Italy)

Thyroid hormone bioequivalence:

A 2021 update

James Hennessey (USA)

MERCK organized & funded educational symposium

CHANNEL 2

CHANNEL 1

16:00 - 16:30 **HISTORICAL VIGNETTE:**
Celebrating 50 years of TRH?
CHAIR: Graham Williams (United Kingdom)
SPEAKER: Anthony Hollenberg (USA)

16:30 - 17:00 **ETJ Lecture**
CHAIR: Simon Pearce (United Kingdom)

17:00 - 17:15 *Time to visit the Exhibition and Poster Hall*

17:15 - 18:15 **SCIENTIFIC SYMPOSIUM 1**
THYROID AND PREGNANCY
CHAIRS: Bijay Vaidya (United Kingdom) & Corin Badiu (Romania)
Thyroid hormone reference range in pregnancy and ethnicity
Kris Poppe (Belgium)
Autoimmunity in subfertility and miscarriage
Rima Dhillon-Smith (United Kingdom)
The effects of gestational exposure to thyroid disruptors
Tim Korevaar (The Netherlands)

CHANNEL 2

17:15 - 18:15 **SCIENTIFIC SYMPOSIUM 2**
A TRANSLATIONAL APPROACH TO THYROID CANCER
CHAIRS: Laurence Leenhardt (France) & Clara Alvarez (Spain)
GWAS of thyroid stimulating hormone and inverse association with thyroid cancer
Bjørn Olav Åsvold (Norway)
Novel mechanisms for thyroid cancer progression
Alessia Ciarrocchi (Italy)
Potentiating Radioiodine Therapy
Chris McCabe (United Kingdom)

CHANNEL 1

12:45 - 13:45 **ETA CANCER GROUP**
 as part of a new European "PROJECT",
 the EUROPEAN THYROID CANCER WORKSHOP (EuThyCan)

INTRODUCTION

Clara Alvarez (Spain)

The EuThyCan: description of the project

Jan Smit (The Netherlands)

Discussion**Results of the European survey on anaplastic thyroid cancer**

Laura Fugazzola (Italy)

Discussion**Report from the treasurer**

Markus Luster (Germany)

**Final Discussion and suggestions
 for the next ETA CG meeting**

14:00 - 15:30 **A YEAR IN...
 TRANSLATIONAL THYROIDOLOGY**

CHAIR: Lars Möller (Germany)

SPEAKER: Peter Kopp (Switzerland)

Harington-de Visscher Prize LECTURE

CHAIR: Laszlo Hegedüs (Denmark)

15:30 - 15:45 *Time to visit the Exhibition and Poster Hall*

CHANNEL 2

12:45 - 13:50 **ETA - IODINE GLOBAL NETWORK
 SCIENTIFIC SYMPOSIUM**
CHAIRS: R. Moreno-Reyes (Belgium) & JH Lazarus (United Kingdom)

INTRODUCTION

*R. Moreno-Reyes (IGN Regional Coordinator),
 J. H. Lazarus (past IGN Regional Coordinator)*

**Update on thyroid iodine metabolism:
 consequences of deficiency and excess**

Elisabeth Pearce (USA)

Iodized salt a vehicle for iron fortification?

Michael Zimmermann (Switzerland)

**Prevention of iodine deficiency disorders in Europe:
 effectiveness, cost-Effectiveness, barriers and solutions**

Ursula Rochau (Austria)



CHANNEL 1

15:45 - 16:45 **ETA Industry-sponsored
SATELLITE SYMPOSIUM 2
PATIENT and PHYSICIAN
PERSPECTIVES ON HYPOTHYROIDISM**
CHAIRS and INTRODUCTION:
Endre Nagy (Hungary) & Laszlo Hegedüs (Denmark)

**The patient perspective: organization and results of the TFI/Picker/
IBSA E-MPATHY questionnaire survey**
Petros Perros (United Kingdom) and Peter Lakwijk (Sweden)

**The thyroid specialist perspective:
organization and early results of the THESIS questionnaire survey**
Enrico Papini (Italy)

Discussion
Take home messages:
Laszlo Hegedüs (Denmark) and Endre Nagy (Hungary)

IBSA organized and funded educational symposium

16:45 - 17:00 *Time to visit the Exhibition and Poster Hall*

17:00 - 18:00 **SCIENTIFIC SYMPOSIUM 3
NUTRITION and BIOMARKERS IN THYROID DISEASE**
*CHAIRS: Rodrigo Moreno-Reyes (Belgium) &
Stig Andersen (Denmark)*

Iron nutritional status and Thyroid Function
Margaret Rayman (United Kingdom)

**Some new aspects of the paramount role of iodine
in thyroid disease**
Mario Rotondi (Italy)

**Pleiotropic roles of the Keap1/Nrf2 antioxidant response system
in thyroid pathophysiology**
Gerasimos Sykiotis (Switzerland)

CHANNEL 2

17:00 - 18:00 **SCIENTIFIC SYMPOSIUM 4
THYROID DEVELOPMENT**
CHAIRS: Robert Opitz (Germany) & Luca Persani (Italy)

**Thyocyte diversity with single-cell transcriptomics
during development**
Sumeet Pal Singh (Belgium)

Ex vivo organoid modelling of the developing thyroid
Gabor Szinnai (Switzerland)

**Environmental dysregulation in thyroid development:
recent insights**
Pilar Santisteban (Spain)

CHANNEL 1

18:15 - 19:15

ORAL SESSION 1CHAIRS: *Carla Moran (Ireland) & Joao De Castro (Portugal)*

The effect of thyroid peroxidase antibodies and thyroglobulin antibodies on thyroid function in pregnant women – an individual participant data meta-analysis

Sofie Bliddal (Denmark)

Adiposity and smoking show opposite associations with maternal TSH in early pregnancy, but similarly increase the T3/T4-ratio: evidence from 5,529 Danish pregnant women

Stine Linding Andersen (Denmark)

Association of per- and polyfluoroalkyl substances with thyroid system parameters during pregnancy

Arash Derakhshan (The Netherlands)

Pre- and post-operative calcitonin value as a predictive factor of disease specific mortality in sporadic medullary thyroid carcinoma

Antonio Matrone (Italy)

Ultrasound features and role of risk stratification systems in identifying medullary thyroid carcinoma

Carla Gambale Italy)

CHANNEL 2

18:15 - 19:15

ORAL SESSION 2CHAIRS: *Balazs Gereben (Hungary) & Anita Boelen (The Netherlands)*

Thyroid hormone transport impacts multiple stages of GABAergic interneuron development

Steffen Mayerl (Germany)

Long-term efficacy of triiodothyronine analogue Triac in children and adults with monocarboxylate transporter 8 deficiency: an international, real-life cohort study

Ferdy van Geest (The Netherlands)

Novel thyroid hormone transporters in the solute carrier 22 family

Zhongli Chen (The Netherlands)

The effect of thyroid hormone receptor truncating mutants on gene transcription in neuronal cells

Karn Wejaphikul (Thailand)

A combining thyroid risk score (TRS) for nodules with indeterminate cytology

Guia Vannucchi (Italy)

CHANNEL 1

11:00 - 12:00 **ETA Industry-sponsored
SATELLITE SYMPOSIUM 4**

EISAI organized and funded educational symposium

12:00 - 13:00 **POSTER ROOM** - Come and view the posters. You can send questions directly to the poster submitter in the poster hall or use the chat function to connect

13:00 - 14:00 **A YEAR IN...
BASIC THYROIDOLOGY**

CHAIRS: Josef Köhrle (Germany) & Philippe Caron (France)

SPEAKER: Barbara Demeneix (France)

**Covid Research Grant:
Interaction of the SARS-CoV-2 Spike Protein with
Thyroid Epithelial Cells**

Klaudia Brix (Germany)

**Deiodinase Project:
Measuring deiodinase activity: results of a multi center study**

Anita Boelen (The Netherlands)

14:00 - 15:00 **SCIENTIFIC SYMPOSIUM 5
LESS IS MORE:
A CONSERVATIVE APPROACH TO THYROID CANCER**

CHAIRS: Francesco Frasca (Italy) & Barbara Jarzab (Poland)

Active surveillance

Akira Miyauchi (Japan)

Lobo-isthmectomy: development of a common protocol

Jolanta Krajewska (Poland)

**2021 ETA - CIRSE Clinical Practice Guideline for the use of
minimally invasive treatments in malignant thyroid lesions**

Enrico Papini (Italy)

15:00 - 15:15 *Time to visit the Exhibition and Poster Hall*

CHANNEL 2

14:00 - 15:00 **SCIENTIFIC SYMPOSIUM 6
TRANSLATIONAL ASPECTS OF THYROID HORMONE
METABOLISM**

CHAIRS: Monica Dentice (Italy) & Duncan Bassett (United Kingdom)

Inherited defects in DIO1 and SBP2 in humans

Alexandra M Dumitrescu (USA)

Alteration of renal thyroid hormone signaling in diabetes

Xinaris Christodoulos (Italy)

A Novel Biomarker for Integrated Hepatic Thyroid Hormone Action

Jens Mittag (Germany)

CHANNEL 1

15:15 - 16:15

RESEARCH GRANT 2018 & 2019

WINNER PRESENTATIONS

CHAIRS: Domenico Salvatore (Italy) & Heike Heuer (Germany)

The integrity of tumoral capsule identifies a subgroup of indolent cases not only among the follicular but also classical variant of papillary thyroid cancer

Carlotta Giani (Italy)

MiR-181a-5p regulates NIS expression in papillary thyroid carcinoma

Wojciech Gierlikowski (Poland)

A Knowledge-Driven Machine Learning Approach for Thyroid Nodule Classification

Giorgio Grani (Italy)

Impact of thyroid hormone and endocrine disruptors on neural stem cell fate

Pieter Vancamp (France)

Study of TARget tissue-resident immune cells in Graves' disease and Orbitopathy (STAR-GO)

Ilaria Muller (Italy)

Functional characterization of the novel thyroid hormone transporter SLC17A4

Stefan Groeneweg (The Netherlands)

16:15 - 16:30 *Time to visit the Exhibition and Poster Hall*

16:30 - 17:00

PINCHERA PRIZE

CHAIR: Leonidas Duntas (Greece)

17:15 - 18:15

GENERAL ASSEMBLY

CHANNEL 2

CHANNEL 1

13:00 - 13:30 **A YEAR IN...
THYROID CANCER**
CHAIR: Paula Soares (Portugal)
SPEAKER: Christine Spitzweg (Germany)

13:30 - 14:00 **SHORT CALL ABSTRACTS**
CHAIRS:
Robin Peeters (The Netherlands) & Ulla Feldt-Rasmussen (Denmark)

14:00 - 15:00 **YOUNG INVESTIGATOR SESSION**
CHAIRS: Simone De Leo (Italy) & Sofie Bliddal (Denmark)

Variation in the classification of maternal thyroid function in early pregnancy with repeated blood sampling: a study of 1,466 individual cases in the North Denmark Region Pregnancy Cohort
Louise Knøsgaard (Denmark)

New proposal for a histological grading of medullary thyroid carcinoma: insights from a large series of sporadic cases
Alessandro Prete (Italy)

Association of maternal thyroid function during pregnancy with offspring respiratory function and asthma in childhood
Marina Feyz (The Netherlands)

Clinicopathological characteristics of a cohort of patients with radioiodine-refractory thyroid cancer (RAIR-TC): who are the patients that we choose to treat with tyrosine kinase inhibitors (TKI)?
Elisa Minaldi (Italy)

15:00 - 15:15 *Time to visit the Exhibition and Poster Hall*

CHANNEL 2

14:00 - 15:00 **YOUNG INVESTIGATOR SESSION**
CHAIRS:
Edward Visser (The Netherlands) & Nadia Schoenmakers (United Kingdom)

Transcriptome analysis of the developing rat thyroid gland from fetal life to prepuberty
Louise Ramhøj (Denmark)

Bone development in mice requires canonical TR α action
Ann-Kathrin Schörding (Germany)

3-iodothyronamine (T1AM), a thyroid hormone metabolite, works as a pro-oxidant in brown adipocytes
Annunziata Laurino (Italy)

Lack of canonical thyroid hormone receptor alpha signaling is cardioprotective
Janina Gassen (Germany)

CHANNEL 1

15:15 - 16:15

**ETA Industry-sponsored
SATELLITE SYMPOSIUM 6**

**Targeting RET in Thyroid Cancer:
Optimising Testing and Treatment Strategies**

Introduction and welcome

Laura Fugazzola (Italy)

**Detecting RET alterations in Thyroid Cancer:
Molecular Diagnostic Approaches**

Fernando Lopez Rios (Spain)

**Integrating RET inhibitors in RET driven Thyroid Cancer:
An overview**

Matthias Weber (Germany)

Panel Discussion

All

Closing Remarks

Laura Fugazzola (Italy)

Lectures will be pre-recorded, followed by live panel discussion

Lilly organized and funded educational symposium

CHANNEL 2

CHANNEL 1

16:15 - 17:00

ORAL SESSION 3*CHAIRS: Laura Fugazzola (Italy) & Endre Nagy (Hungary)*

Cabozantinib versus placebo in patients with radioiodine (RAI)-refractory differentiated thyroid cancer (DTC) who have progressed after prior VEGFR-targeted therapy: results from the phase 3 COSMIC-311 trial

Marcia S. Brose (USA)

First results of a systematic population-based approach to identify patients with NTRK gene fusion and RET gene fusion/mutation-positive thyroid cancers who could benefit from treatment with TRK and RET inhibitors

Markus Eszlinger (Canada)

Advanced Differentiated Thyroid Cancer, clinical presentation, treatment, and prognostic factors (ERUDIT Study)

Juan Antonio Vallejo (Spain)

Efficacy of [18F]FDG-PET/CT in evaluation of cytological indeterminate thyroid nodules prior to surgery (EfFECTS): a randomised-controlled multicentre trial

Elizabeth J. de Koster (The Netherlands)

Tumor Volume Doubling Time in Active Surveillance of Papillary Thyroid Microcarcinoma: A Multicenter Cohort Study in Korea

Meihua Jin (Korea)

CHANNEL 2

16:15 - 17:15

ORAL SESSION 4*CHAIRS: Anne van der Spek (The Netherlands) & Garcilaso Riesco-Eizaguirre (Spain)*

Canonical thyroid hormone and TR β action stimulates hepatocyte proliferation

G. Sebastian (Germany)

Hypothyroidism affects expression of tumor suppressive and oncogenic microRNAs involved in breast cancer development and progression

Karolina Hanusek (Poland)

An early wave of macrophage infiltration followed by CD3+ T-cells characterizes the onset of orbital inflammation in preclinical mouse model of Graves' orbitopathy

Svenja Philipp (Germany)

Oncogenic mutations in PI3K/AKT/mTOR pathway effectors associate with worse prognosis in BRAFV600E-driven papillary thyroid cancer patients

Iñigo Landa (USA)

Combined mutational and clonality analyses support the existence of intra-tumor heterogeneity in papillary thyroid cancer

Marina Muzza (Italy)

CHANNEL 1

17:00 - 18:00

OVERSEA SYMPOSIUM

ETA/ATA Symposium on Graves' Orbitopathy

CHAIRS: Tomasz Bednarczuk (Poland) & Milos Zarkovic (Serbia)

Insights into the pathogenesis of Graves' Orbitopathy from studies of the microbiome

Marian Ludgate (United Kingdom)

Joint ETA-ATA questionnaire on medical treatment of Graves' Orbitopathy

Juan Brito (USA)

Joint ETA-ATA Guideline on medical management of Graves' Orbitopathy

Mario Salvi (Italy)



CHANNEL 2

18:00 - 18:15

PRIZE CEREMONY and closure

CHAIRS: Leonidas Duntas (Greece) & Graham Williams (United Kingdom)