



CONFERENCE OVERVIEW BRUSSELS 10-13 SEPTEMBER 2022

Clinical & Scientific Update 2022 Scientific Programme

44th Annual Meeting EUROPEAN THYROID ASSOCIATION

Getty Images



Programme Changes

The organisers do not assume liability for any changes in the programme due to external or unforeseen circumstances.





The CONGRESS REGISTRATION DESK will operate the following hours:

0		
Friday,	9th Sept.	
Saturday,	10th Sept.	
Sunday,	11th Sept.	
Monday,	12th Sept.	
Tuesday,	13th Sept.	

COMMERCIAL EXHIBITION

10th Sept.
11th Sept.
12th Sept.
13th Sept.

Media Check

Saturday,	10th Sept.
Sunday,	11th Sept.
Monday,	12th Sept.
Tuesday,	13th Sept.

Opening times 10:00 - 18:00 07:00 - 18:00 07:00 - 17:00

08:30 - 12:30

Opening times

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07:00	-	18:15
06:30	-	18:00
06:30	-	17:30

07:45 - 12:00

The 44th Annual Meeting of the European Thyroid Association has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) for a maximum of 19 European CME credits (ECMEC®s).

Room HENRY LE BOEUF

CLNCALUpdate

Scientific & clinical update

The critical role of laboratory medicine in Thyroidology [The Whys and Wherefores of Thyroid Function Testing]

Session 1

Chairs: Thomas Brix, Denmark and Mario Salvi, Italy

08.30	Reference systems for thyroid functions tests (the IFCC standardization committee) Katleen Van Uptfanghe (Belgium)
09.00	Pitfalls in the measurement of thyroid function tests including how FT4, FT3 are measured, interference due to pregnancy, biotin, heterophilic antibodies, thyroid hormone binding protein abnormalities etc. <i>Mark Gurnell (United Kingdom)</i>
09.30	Discrepant results in thyroid function tests (including resistance to thyroid hormones, TSH- omas, secondary hypothyroidism) Luca Persani (Italy)

10.00 General discussion

10.20 Coffee Break

Session 2

Chairs: Tomasz Bednarczuk, Poland and Camille Buffet, France

- 10.40 Genetic basis of thyroid function or Genomic variants which determine TSH setpoint throughout life Marco Medici (Netherlands)
- 11.10 The pituitary/thyroid axis and inflammation; what the COVID-19 pandemic has taught us Ilaria Muller (Italy)

The pros and cons of measuring autoantibodies to TPO and TG

- 11.40 Methodology, including prevalence, and methods of thyroid autoantibodies measurements Sofie Bliddal (Denmark)
- 11.55 **Autoimmune considerations** Gerasimos Sykiotis (Switzerland)
- 12.10 General discussion

12.30 CLOSE

SATURDAY 10.09.2022

08.30	- 12.30
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Room STUDIO

BASIC Update

Thyroid Hormone Action in health and disease or Thyroid Hormones from Synthesis to Tissue-specific Action

	Lars Moeller, Germany and Marian Ludgate, United Kingdom
09.00	Correlating thyroid development with function <i>Sabine Costagliola (Belgium)</i>
09.30	Update on thyroid hormone transporters Stefan Groeneweg (Netherlands)
10.00	Visualizing TR action, mouse models of

tissue specific TH action Balázs Gereben (Hungary)

10.30 General discussion

10.50 Coffee Break 📿

- Chairs: Malgorzata Oczko-Wojciechowska, Poland and Edward Visser, Netherlands
- 11.10 **TH action in the innate immune system** Anne van der Spek (Netherlands)
- 11.40 **Deiodinases, peripheral regulators of TH action** Domenico Salvatore (Italy)
- 12.10 Differing roles for thyroid hormone receptor isoforms in pituitary feedback Lars Moeller (Germany)
- 12.40 General discussion
- 13.00 CLOSE

SATURDAY 10.09.2022 09.00 - 13.00

44th Annual Meeting of the European Thyroid Association



SCIENTIFIC & CLINICAL UPDATE

08.00	WELCOME Laura Fugazzola, Italy
	DN I News from the bench side Clara Alvarez (Spain) and Miguel Melo (Portugal)
08.20	Tumor-related inflammation and thyroid cancer: friends or foes? <i>Romana Netea-Maier (The Netherlands)</i>
08.40	Thyroid cancer genotyping in Europe Dagmar Führer-Sakel (Germany)
09.00	Involvement of immortalization mechanisms in thyroid cancer Paula Soares (Portugal)
SESSIC	ON II News from the clinics
Chairs:	
09.20	Central lymph node compartment dissection: yes, no, selective? Madelon Metman (The Netherlands)
09.40	PET/CT-metrics and radiomics in thyroid nodules Luca Giovanella (Switzerland)
10.00	Radioiodine in patients with low risk thyroid cancer Sophie Leboulleux (Switzerland)
10.20	Coffee Break 💭
SESSIC Chair:	DN III LECTURE Rossella Elisei (Italy)
11.00	Genomic alterations in thyroid cancers: biological and clinical insights Inigo Landa (USA)
SESSIC Chairs:	IN IV Hands on the patient Thera Links (The Netherlands), Barbara Jarzab (Poland)
11.30	Management of nodules in children Hanneke Van Santen (The Netherlands)
11.50	Difficult cases, sliding doors: FOCUS 1: Differentiated thyroid cancer Simone De Leo (Italy) FOCUS 2: Medullary thyroid cancer Jolanta Krajewska (Poland)
12.30	General Assembly ETA Cancer Group with election of the new leader group Clara Alvarez (Spain)

SATURDAY 10.09.2022 08.00 - 13.00

12.45 CLOSING REMARKS

Room RECEPTION LOUNGE

S IODINE globalnetwork

SESSION I

08.00	Registration and Coffee /Tea
08.25	INTRODUCTION Rodrigo Moreno-Reyes (Belgium)
Chairs:	Effie Koukkou (Greece), Lluis Vila (Spain)
08.30	The rise in plant-based diets: a concern for iodine intake? Sarah Bath (United Kingdom)
08.50	Iodine supplementation in pregnancy – what is the evidence in mild-to-moderate iodine deficiency? Mariana Dineva (United Kingdom)
09.10	Beyond the median in UIC studies: where we stand now <i>Maria Andersson (Switzerland)</i>
09.30	Current Iodine status in Norway Lisbeth Dahl (Norway)
09.50	Coffee/Tea and Posters 💆

SESSION II

- Chairs: Mafalda Marcelino (Portugal), Helena Filipsson Nyström (Sweden)
- 10.30 **Iodine status in the WHO European Region** – opportunities and challenges Phyo Pyi Pyi (WHO, Europe)
- 10.50 Iodine status among various population groups in Belgium: An update and future steps Stefanie Vandevijvere (Belgium)
- 11.10 Selective approach to optimize iodine intake in Belgium Laurence Doughan (Belgium)
- 11.30 Iodine status: an overview of situation and measures in Switzerland Clara Benzi Schmid (Switzerland)
- 11.50 **Iodine status and recommendations in Finland** *Iris Erlund (Finland)*
- 12.15 LUNCH and CLOSE

SATURDAY 10.09.2022 08.00 - 13.00

Room TERARKEN 3

CLINICAL & Scientific update

BASIC COURSE IN DIAGNOSTIC THYROID ULTRASOUND

Chairs: Cosimo Durante (Italy), Gilles Russ (France)

08.00 Kickoff event

The kickoff event introduces the course goals and the agenda.

Cosimo Durante Duration: 30 min

Activity #1

– A presenting author introducing clinical cases (6 to 9) and asking questions

Cosimo Durante

- Audience televoting on questions
- Expert panels reacting to the answers

Eva Gentbrugge, Enrico Papini, Gilles Russ, Tamás Solymosi, Nunzia Tacelli, Annick Van den Bruel

– Take home messages

Cosimo Durante

10.15 - 11.15 Coffee Break

Activity #2

- Clinical cases in small subgroups with a tutor
- Then all subgroups join and one member of each subgroup presents the case to the whole group with an expert facilitating the discussion
- Take home messages

Hands-on sonography training

Real-time ultrasound examinations will be performed on patient volunteers

Tutor: Cosimo Durante, Eva Gentbrugge, Bruno Lapauw, Enrico Papini, Steven Raeymaeckers, Gilles Russ, Tamás Solymosi, Nunzia Tacelli, Annick Van den Bruel

Duration: 90 min

13.00 Close

All participants who have successfully completed the course will receive a "Certificate of attendance" issued by the European Thyroid Association

SATURDAY 10.09.2022 08.00 - 13.00

44th Annual Meeting of the European Thyroid Association

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Гт]	13:45 - 14	:00 HENRY LE BOEUF
	OPENING	GCeremony
ITIFIC	and	s Poppe (Belgium) l Graham Richard Williams (United Kingdom) Room HENRY LE BOEUF
ΠŢ	14:00 - 15	
LAC AL	Chairs: Kris and	<mark>ssion 1: Topic Highlights</mark> Poppe (Belgium) Graham Richard Williams (United Kingdom)
SCIE PRO	14:00 - 14:15	OP-01-01 Cryo-electron Microscopy Structure of Full length TSH Receptor in Complex with TSH Receptor Blocking Human Monoclonal Autoantibody K1-70TM Ricardo Nunez Miguel (United Kingdom)
	14:15 - 14:30	OP-01-02 A randomized, double-blind, placebo-controlled trial of vitamin D supplementation in patients newly diagnosed with Graves' disease Diana Grove-Laugesen (Denmark)
LUNCH	14:30 - 14:45	OP-01-03 The relationship between thyroid function and lipid metabolomics and response to combination thyroid hormone replacement Peter Taylor (United Kingdom)
13.00 - 13.45 POSTER Session 1 + COFFEE BREAK	14:45 - 15:00	OP-01-04 Selenoprotein deficiency disorder predisposes to aortic aneurysm formation Erik Schoenmakers (United Kingdom)
16.30 - 17.30	15:00 - 15:15	OP-01-05 Sarcopenia as a prognostic factor in patients with advanced thyroid cancer treated with tyrosine kinase inhibitors Cristina Dalmiglio (Italy)
SATURDAY 10.09.2022	15:15 - 15:30	OP-01-06 Modeling Braf-induced thyroid cancer development and cell redifferentiation using pluripotent stem cell-derived organoids <i>Mirian Romitti (Belgium)</i>



15:30 - 16:30

SATELLITE Symposium 1

Making treatment decisions for thyroid cancers with oncogenic drivers

16:30 - 17:30

Room POSTER HALL

POSTER Session 1

PS1-01-01-09	COVID & thyroid disease
	Chair: Kristien Boelaert (United Kingdom)
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PS1-02-10 - 18	Hypothyroidism
	Chair: Helena Filipsson Nyström (Sweden)

- PS1-03-19 28 Thyroid Cancer Clinical 1 Chair: Barbara Jarzab (Poland)
- PS1-04-29 36 Thyroid hormone transporters and development Chair: Ricardo Zucchi (Italy)
- PS1-05-37 46 Miscellaneous Chair: Peter Kopp (Switzerland)

17:30 - 18:30

HENRY LE BOEUF

A Year in...

Chairs: Paul	a Soar <mark>es (Portug</mark> al)
and	Bijay Vaidya (United Kingdom)
17:30 - 17:50	A Year in Clinical thyroidology

Robin Peeters (Netherlands)

17:50 - 18:10	A Year in Basic Thyroidology
1.1	Lars Christian Moeller (Germany)

18:10 - 18:30 A Year in Thyroid Cancer Barbara Jarzab (Poland)

> SATURDAY 10.09.2022

44th Annual Meeting of the European Thyroid Association

HENRY LE BOEUF

SCIENTIFIC PROGRAMME

18:30 - 19:00

HISTORICAL Vignette

Chair: Graham Richard Williams (United Kingdom)

The story of TSH assays through the ages Josef Köhrle (Germany)

19:00 - 19:30

Room HENRY LE BOEUF

ETJ Lecture

Chair: Simon Pearce (United Kingdom)

Thyroid hormone as a temporal switch in vertebrates development

Frédéric Flamant (France)







44th Annual Meeting of the European Thyroid Association



*European *THYROID *Association

07:00 - 08:00

08:00 - 09:30

SATELLITE SYMPOSIUM 2

Thyroid Eye Disease: Addressing the Need for Early Intervention and Comanagement

HENRY LE BOEUF

Room STUDIO

SCIENTIFIC SYMPOSIUM 1

MANAGEMENT of the thyroid nodule

Chairs: Rossella Elisai (Italy) and Bernard Corvilain (Belgium)

08:00 - 08:25	Construction of an international thyroid nodule
	risk stratification system (I-TIRADS)
	Laszlo Hegedüs (Denmark)

08:30 - 08:55 Is the thyroid scintigraphy still relevant in the era EU-TIRADS, fine needle aspiration and molecular testing? Aglaia Kyrilli (Belgium)

09:00 - 09:25 ETA 2022 Thyroid nodule management guideline Cosimo Durante (Italy)

08:00 - 09:30



SCIENTIFIC SYMPOSIUM 2

MECHANISTICAL insights into thyroid cancer progression

Chair: Clara Alvarez (Spain) and Maria Alevizaki (Greece)

 08:00 - 08:30
 Senescence in thyroid cancer

 Angela Greco (Italy)

 08:30 - 09:00
 Organoid approaches to thyroid cancer treatment

 evaluation
 Luc Sondorp (Netherlands)

 09:00 - 09:30
 Single-cell transcriptomics in thyroid cancer

 Vincent Detours (Belgium)
 Vincent Detours (Belgium)





SMALL BREAKFAST 06.40 - 07.00

COFFEE BREAK 09.30 - 10.00

POSTER Session 2 + LUNCH 12.00 - 13.00

> COFFEE BREAK 14.45 - 15.00





10:00 - 11:00

ORAL SESSION 2

PREGNANCY

Chairs: Kristin Bolaert (United Kingdom) and Brigitte Decallone (Belgium)

10:00 - 10:12	OP-02-07 Use of levothyroxine for euthyroid women with positive thyroid antibodies and infertility: results of thesis (treatment of hypothyroidism in europe by specialists: an international survey) <i>Roberto Negro (Italy)</i>
10:12 - 10:24	OP-02-08 Real world study on the impact of thyroid hormone treatment on pregnancy outcomes in women with subclinical hypothyroidism without TPOAb <i>Georgiana Sitoris (Belgium)</i>
10:24 - 10:36	OP-02-09 Hypothyroidism and the risk of preeclampsia: a national and regional study of 1,014,775 pregnancies in Denmark Stine Linding Andersen (Denmark)
10:36 - 10:48	OP-02-10 Phthalate exposure is associated with thyroid function during pregnancy through a novel pathway as a hCG disruptor Arash Derakhshan (Netherlands)
10:48 - 11:00	OP-02-11 Association of Thyroid Function and TPOAb Positivity with the Risk of Postpartum Depression: a population-based cohort study, systematic review, and meta-analysis Federica Sileo (Italy)

SUNDAY 11.09.2022

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Room STUDIO 10:00 - 11:00 **ORAL Session 3** ADVANCED thyroid cancer Chairs: Sophie Leboulleux (Switzerland) and Annick Van Den Bruel (Belgium) 10:00 - 10:12 OP-03-12 Clinicopathological and epidemiological features of thyroid cancer patients intended to initiate systemic therapy Elisa Minaldi (Italy) 10:12 - 10:24 OP-03-13 Thyroid cancer relapse as a challenge to a surgeon: the efficacy of radioguided occult lesion localization (ROLL) technique Agnieszka Czarniecka (Poland) 10:24 - 10:36 OP-03-14 Entrectinib in patients with NTRK fusion-positive (NTRK-fp) thyroid cancer: updated data from STARTRK-2 Daniel W Bowles (United States) 10:36 - 10:48 OP-03-15 Assessment of adrenal function in a large series of patients confirms that adrenal insufficiency is a common cause of fatigue during treatment with multikinase inhibitors (MKIs) Carla Colombo (Italy) 10:48 - 11:00 OP-03-16 A clinical and molecular study of a real-world cohort of BRAF V600E anaplastic thyroid carcinoma treated with Dabrafenib and Trametinib Tiago Nunes da Silva (Portugal)



SUNDAY



11:00 - 12:00

HENRY LE BOEUF

POSTER HALL

SATELLITE Symposium 3

T₃ for HYPOTHYROIDISM

12:00 - 13:00

POSTER Session 2

PS2-06-47 – 56	Hypothyroidism treatment Chair: Allan Carle (Denmark)	
PS2-07-57 - 66	Graves' Disease 1 Chair: Milos Zarkovic (Serbia)	
PS2-08-67 - 76	Thyroid Cancer Basic Chair: Clara Alvarez (Spain)	
PS2-09-77 - 86	Thyroid Hormone Action Chair: Robert Opitz (Germany)	
PS2-10-87 - 96	Nodules & cancer Chair: Furio Pacini (Italy)	

12:00 - 13:00

Room SALLE M

SATELLITE Symposium 4

WHERE DOES the balance lie in achieving good clinical outcomes and quality of life in RAI-R DTC?



44th Annual Meeting of the European Thyroid Association

IENTIFIC OGRAMME

13:00 - 13:45 Meet the

EXPERT

Room **STUDIO**

Thyroid and male reproductive organs David Unuane (Belgium)

13:00 - 13:45



Deiodinase measurements: how, when, why? Anita Boelen (Netherlands)

SALLE M

Room

13:00 - 13:45



Room RECEPTION LOUNGE

Mendelian randomisation methods and applications

Peter Taylor (United Kingdom)

13:00 - 13:45

Meet the EXPERT

Room HENRY LE BOEUF

New anaplastic thyroid cancer guidelines Katie Newbold (United Kingdom)





13:45 - 14:45

ORAL Session 4

BASIC 1

Chairs: Duncan Bassett (United Kingdom) and Xavier De Deken (Belgium)

13:45 - 13:57	OP-04-17 Age and diet regulate intrahepatic thyroid hormone concentration in a mouse model of Non-Alcoholic Fatty Liver Disease (NAFLD) Eveline Bruinstroop (Netherlands)
13:57 - 14:09	OP-04-18 Differential impact of intrathyroidal IL-4 expression on thyroiditis development in C57BL/6j and NOD.H2h4 Thyr-IL4 mice Karima Merakchii (Belgium)
14:09 - 14:21	OP-04-19 A thyroid hormone-independent role for transthyretin in neural stem cells of the postnatal mouse subventricular zone? <i>Pieter Vancamp (France)</i>
14:21 - 14:33	OP-04-20 Rewiring of liver diurnal transcriptome rhythms by triiodothyronine (T3) supplementation Leonardo de Assis (Germany)
14:33 - 14:45	OP-04-21 Cryo-Electron Microscopy Structures of Human Thyroid Peroxidase (TPO) in complex with TPO antibodies Ricardo Nunez Miquel (United Kingdom)

SUNDAY 11.09.2022

44th Annual Meeting of the European Thyroid Association



SCIENTIFIC PROGRAMME

13:45 - 14:45 ORAL Session 5 AUTOIMMUNITY

13:45 - 13:57 OP-05-22 Update on the role of caveolin-1 in cell homeostasis and oxidative stress in Hashimoto's thyroiditis and Graves' disease Marie-Christine Many (Belgium) 13:57 - 14:09 OP-05-23 Cut-offs for thyroid peroxidase and thyroglobulin antibodies in early pregnancy are not similar and may differ from non-pregnant individuals: evidence from 10,905 Danish pregnant women Stine Linding Andersen (Denmark) 14:09 - 14:21 OP-05-24 Sirolimus for Graves' Orbitopathy: a novel drug for the management of patients with moderate-to-severe Graves'Orbitopathy? Giulia Lanzolla (Italy) 14:21 - 14:33 OP-05-25 Intestinal barrier permeability in patients with Hashimoto's thyroiditis associated to non-endocrine autoimmune disorders Camilla Virili (Italy) OP-05-26 14:33 - 14:45 Prospective Single Blind, USA-Based, Multicenter Comparison of TSH-Receptor Antibody Immunoassays Mark Lupo (United States)

Chairs: Alessandro Antonelli (Italy) and Damien Gruson (Belgium)





15:00 - 16:00

SATELLITE Symposium 5

NEW DIRECTIONS in thyroid cancer: Treatment sequencing - with interactive tumour board

16:00 - 17:30

HENRY LE BOEUF

SCIENTIFIC Symposium 3

TRANSCRIPTOME responses to thyroid hormone in T3 target tissues

Chairs: Domenico Salvatore (Italy) and Peter Kopp (Switzerland)

16:00 - 16:30	Transcriptomics and T3 action in the mouse brain Frédéric Flamant (France)
16:30 - 17:00	Transcriptional and genome wide responses to TH in skeletal cell lineages John Howard Duncan Bassett (United Kingdom)
17:00 - 17:30	TH and glucocorticoid transcriptional interactions during development Laurent Sachs (France)

16:00 - 17:30



SCIENTIFIC Symposium 4

INTERMEDIATE risk thyroid cancer

Chairs: Francesco Frasca (Italy) and Annick Van Den Bruel (Belgium)

16:30 - 17:00	Pathologic features for unfavorable outcome José Cameselle-Teijeiro (Spain)
16:00 - 16:30	Molecular markers for aggressive behavior in intermediate risk TC Miguel Melo (Portugal)

17:00 - 17:30 Minimally Invasive Treatment Procedures for Thyroid Malignancy Enrico Papini (Italy)





SUNDAY

11.09.2022

17:30 - 18:10

LISSITZKY AWARD

Chairs: Leonidas Duntas (Greece) and Graham Williams (United Kingdom)

19:30

WELCOME RECEPTION

visit.brussels

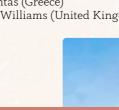






HENRY LE BOEUF

TOWN HALL







44th Annual Meeting of the European Thyroid Association



★ European *Association

	SATELLITE	Symposium 6	
	PROGRESS	in Methodology and	Assay Comparison
GRAM	08:00 - 09: Scientifi	30 C Symposium 5	Room HENRY LE BOEUF
	Joint ETA/A managemer	TA and EUGOGO sy at of Graves' Orbitopa	mposium on the medical thy
		asz Bednarczuk, Poland Chantal Daumerie, Belg	ium
	08:00 - 08:20	When is enough stero Congestive GO and its Lelio Baldeschi (Nether	treatment
	08:20 - 08:40	Role of teprotumumab Graves' orbitopathy ac	

07:00 - 08:00



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SMALL BREAKFAST 06.40 - 07.00

COFFEE BREAK 09.30 - 10.00

POSTER Session 3 + LUNCH 12.00 - 13.00

> COFFEE BREAK 15.30 - 15.45



	Luigi Bartalena (Italy)
08:40 - 09:00	Treatment according to ETA/ATA consensus statement <i>Marius Stan (United States)</i>
09:00 - 09:15	Ethical dilemmas in GO Mario Salvi (Italy)

08:00 - 09:30

Room SALLE M

Room STUDIO

SCIENTIFIC Symposium 6

THYROID hormone physiology and function Chairs: Nadia Schoenmakers (United Kingdom) and Bruno Lapauw (Belgium)

08:00 - 08:30	Mechanisms regulating HPT axis Balázs Gereben (Hungary)
08:30 - 09:00	Control of TH entry into cells Steffen Mayerl (Germany)
09:00 - 09:30	Metabolic consequences of human hyper and hypothyroidism Krishna Chatterjee (United Kingdom)



10:00 - 11:00

ORAL Session 6

HYPOTHYROIDISM

Chairs: Philippe Caron (France) and Ulla Feldt-Rasmussen (Denmark)

10:00 - 10:12	OP-06-27 Evaluation of dried blood spot thyroglobulin as a biomarker for iodine status in pregnant women and newborns. Camilo Fuentes Peña (Belgium)
10:12 - 10:24	OP-06-28 The optimal ranges of thyroid function based on the risk of cardiovascular disease and mortality: an individual participant data meta-analysis Yanning Xu (Netherlands)
10:24 - 10:36	OP-06-29 Central hypothyroidism ensuing endonasal transsphenoidal pituitary surgery: the role of a post operative TRH stimulation test Mathieu Claus (Belgium)
10:36 - 10:48	OP-06-30 Levothyroxine replacement therapy overuse and factors guiding successful treatment discontinuation: short and long-term observation data of a large cohort Sarantis Livadas (Greece)
10:48 - 11:00	OP-06-31 Does subclinical hypothyroidism add on any symptoms? evidence from a Danish population- based study Allan Carle (Denmark)

MONDAY 12.09.2022





HENRY LE BOEUF

Scientific Programme

10:00 - 11:00

THYROID CANCER Basic

Chairs: Malgorzata Oczko-Wojciechowska (Poland)

and Patrick Petrossians (Belgium)	
10:00 - 10:12	OP-07-32 The micro-RNA content of extracellular vesicles in papillary thyroid cancer : from identification in mouse thyroid tumour to detection in patient plasma Ophélie Delcorte (Belgium)
10:12 - 10:24	OP-07-33 Hürthle cell tumors vs oncocytic variants of the follicular cell derived thyroid tumours: a comprehensive analysis based in transcriptome, proteome and CNV profiling Sule Canberk (Portugal)
10:24 - 10:36	OP-07-34 CDK4 phosphorylation status and rational use of CDK4/6 inhibitors in advanced thyroid cancers Jaime M Pita (Belgium)
10:36 - 10:48	OP-07-35 RET Fusion Genes in a Large Cohort of Papillary Thyroid Carcinomas Barbora Pekova (Czech Republic)
10:48 - 11:00	OP-07-36 Loss of tumor cell MHC Class II expression as driver of relapse to dabrafenib and trametinib in mouse BRAF-mutant anaplastic thyroid cancer Vera Tiedje (United States)





11:00 - 12:00

HENRY LE BOEUF

SATELLITE Symposium 7

TARGETING Biomarker Driven Advanced Thyroid Cancer Today: Most recent Diagnostic and Treatment Updates

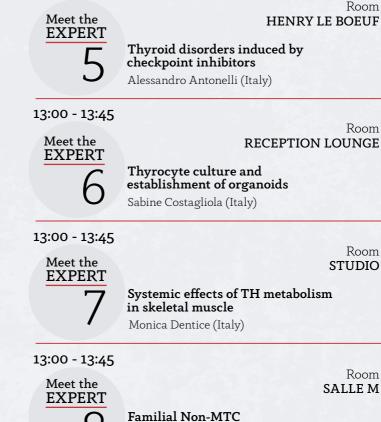
12:00 - 13:00

Room POSTER HALL

POSTER Session 3

PS3-11-97 – 105	Case reports Chair: Corin Badiu (Romania)
PS3-12-106 - 113	Graves' Disease 2 and Orbitopathy Chair: Luigi Bartalena (Italy)
PS3-13-114 – 122	Pregnancy & Iodine Chair: Daniel Glinoer (Belgium).
PS3-14-123 - 132	Thyroid Cancer Clinical 2 Chair: Steen Bonnema (Denmark))
PS3-15-133 - 141	TC DIAGNOSIS & Treatment Chair: George Simeakis (Greece)





Maria Grazia Castagna (Italy)

13:00 - 13:45

PROGRAMME

MONDAY 12.09.2022



13:45 - 14:45

ORAL Session 8

BASIC 2

Chairs: Francoise Miot (Belgium) and Lars Moeller (Germany)

13:45 - 13:57	OP-08-37 Resistance to Thyroid Hormone alpha: Molecular, Biochemical and Physiological approach to diagnosis and therapy Maura Agostini (United Kingdom)
13:57 - 14:09	OP-08-38 Brain effects of combined levothyroxine (T4) and 3-iodothyronamine (T1AM) replacement therapy in a murine model of hypothyroidism Andrea Bertolini (Italy)
14:09 - 14:21	OP-08-39 Stochastic epigenetic mutations as possible explanation for phenotypical discordance among twins with congenital hypothyroidism Marina Muzza (Italy)
14:21 - 14:33	OP-08-40 Disrupted trans-placental thyroid hormone transport in a human model for MCT8 deficiency Zhongli Chen (Netherlands)
14:33 - 14:45	OP-08-41 Borealin/CDCA8 is necessary for an adequate thyroid morphogenesis and aging <i>Carré Aurore (France)</i>

MONDAY 12.09.2022

44th Annual Meeting of the European Thyroid Association



HENRY LE BOEUF

Scientific Programme

13:45 - 14:45 ORAL Session 9

Thyroid Cancer Clinical Chairs: Maria Grazia Castagna (Italy) and João Jácome De Castro (Portugal) 13:45 - 13:57 OP-09-42 Childhood papillary thyroid carcinoma: long-term postoperative outcome and prediction of recurrent disease in 189 patients consecutively treated at the Mayo Clinic during 1936 through 2020 Ian Hay (United States) 13:57 - 14:09 OP-09-43 Novel somatic mutations in sporadic MTC (spMTC); Clinical utility of NGS In precision medicine George Simeakis (Greece) 14:09 - 14:21 OP-09-44 Dynamic risk stratification in long-term clinical outcome of papillary thyroid cancer patients Laura Valerio (Italy) OP-09-45 14:21 - 14:33 The phenotype correlated with RET V804 germline mutation is characterized by the presence of medullary thyroid cancer alone Cristina Romei (Italy) OP-09-46 14:33 - 14:45 Interim outcome analysis of prospective ATA recurrence risk (RR) stratification for postoperative treatment and follow up of differentiated thyroid cancer (DTC) Xun Yang Hu (Canada)





HENRY LE BOEUF

14:45 - 15:30

SHORT CALL Abstracts

Chair: Laura Fugazzola, Italy

SHC-397	Pre-conditioning of the immune system modulates the response of papillary thyroid cancer to immune
	checkpoint inhibitors
	Fabiana Pani (United States)

- SHC-425 Thyroid hormone stimulates brown fat BCAA metabolism when glucose uptake is impaired Paul Yen (Singapore)
- SHC- 398 Clinically-relevant Germline Variants are Common in Children with Non-Medullary Thyroid Cancer Karin van der Tuin (The Netherlands)

15:45 - 16:45

HENRY LE BOEUF

SATELLITE Symposium 8

HYPOTHYROIDISM treatment. Where are we and where are we going?

16:45 - 17:30

HENRY LE BOEUF

PINCHERA Prize Lecture

Chairs: Graham Williams (United Kingdom) and Leonidas Duntas (Greece)

A journey through signaling, transcription and epigenetic in the thyroid

17:30 - 18:45

HENRY LE BOEUF

ETA General Assembly

20:00

Venue VAUDEVILLE THEATER

ETA Network Dinner

REMINISCENCE: Thyroid Research in Belgium

Speaker: Daniel Glinoer





IENTIFIC OGRAMME

08:00 - 08:30

Room SALLE M

RESEARCH GRANT 2020 – Winner Presentations

Chair: Tomasz Bednarczuk (Poland)

T3 and T4, is that all? Laval Chaker (Netherlands)

Targeting mitochondrial TERT to overcome therapeutic resistance Paula Soares (Portugal)

08:30 - 10:30

Room SALLE M

ORAL Sessi	ion 10
Chairs: Simo	s tigator CLINICAL + TRANSLATIONAL ne De Leo (Italy) Rodrigo Moreno-Reyes (Belgium)
08:30 - 08:50	OP-10-47 Putative protective role of anti-nuclear antibodies in Graves' orbitopathy Giulia Lanzolla (Italy)
08:50 - 09:10	OP-10-48 WITHDRAWN
09:10 - 09:30	OP-10-49 TSH-receptor antibodies among 1,024 early pregnant women in the North Denmark Region cut-off, prevalence, and follow-up Nanna Maria Uldall Torp (Denmark)
09:30 - 09:50	OP-10-50 Outcomes of lenvatinib therapy in poorly differentiated thyroid carcinoma João Roque (Portugal)
09:50 - 10:10	OP-10-51 Hypocalcemia is a frequent and life-threatening effect during Lenvatinib treatment Matteo Trevisan (Italy)
10:10 - 10:30	OP-10-52 Outcome of sporadic medullary thyroid cancer

disease after initial treatment Alessandro Prete (Italy)

(MTC) patients with a biochemical persistent



COFFEE BREAK + LUNCH 10.30 - 11.00





08:30 - 10:30

ORAL Session 11

Young Investigator BASIC

Chairs: Barbara Demeneix (France) and Paula Soares (Portugal)

08:30 - 08:50	OP-11-53 CD3+CD8+CD20+ T cells as a marker of the inflammatory phase in thyroid autoimmune and related polyautoimmune disorders: a pilot study <i>Ilaria Stramazzo (Italy)</i>
08:50 - 09:10	OP-11-54 Study of TARget tissue-resident immune cells in Graves' disease and Orbitopathy (STAR-GO): preliminary findings with a novel extensive immunophenotyping panel Sara Maioli (Italy)
09:10 - 09:30	OP-11-55 Role of NADPH oxidase 4 (NOX4) in resistance to metabolic iodine-131 radiotherapy in metastatic thyroid tumors carrying the BRAFV600E mutation <i>Mickaelle Radom (France)</i>
09:30 - 09:50	OP-11-56 Focusing on the role of the enigmatic TRa2 isoform in modulation of thyroid hormone action Nina Härting (Germany)
09:50 - 10:10	OP-11-57 Monocarboxylate 8 transporter and deiodinase 2 deficiency impairs neurogliogesis in the adult mouse subventricular zone leading to cellular and functional alterations Víctor Valcárcel-Hernández (Spain)
10:10 - 10:30	OP-11-58 Integrated genomic, phenomic, functional and structural mapping of variants in thyroid hormone transporter MCT8 Ferdy van Geest (Netherlands)

44th Annual Meeting of the European Thyroid Association

TUESDAY 13.09.2022

Room SALLE M 11:00 - 12:00 **ORAL** Session 12 Nodules and Diagnostic Chairs: Steen Bonnema (Denmark) and Valeriano Leite (Portugal) 11:00 - 11:12 OP-12-59 Autonomously functioning thyroid nodules present intermediate malignancy risk according to European Thyroid Imaging and Reporting Data System; A comprehensive clinical, cytological and molecular characterization. Aglaia Kyrilli (Belgium) 11:12 - 11:24 OP-12-60 Population study on thyroid nodule ultrasound (TUS) reports quality with adherence to guidelines Xun Yang Hu (Canada) OP-12-61 11:24 - 11:36 Comparison of accuracy of 18F-fluorocholine PET-CT and PET/MR to 99mTc-sestaMIBI for the localization of hyperfunctioning parathyroid tissue in hyperparathyroidism. Céline Mathey (Belgium) 11:36 - 11:48 OP-12-62 Progressive Diastolic Dysfunction in Survivors of Pediatric Differentiated Thyroid Carcinoma Antoinette Reichert (Netherlands) 11:48 - 12:00 OP-12-63 Real-world performance of a novel dual-component molecular assay in cytologically indeterminate thyroid nodules: a single institutional experience Marialuisa Sponziello (Italy)



TUESDAY 13.09.2022



11:00 - 12:00

ORAL Session 13

BASIC 3

Chairs: Sebastian Hönes (Germany) and Gerasimo Sykiotis (Switzerland)

11:00 - 11:12	OP-13-64 Metabolic and neuroinflammatory consequences of hypothyroidism in two mouse strains with different metabolic adaptability capacities, the C57BL/6J and the WSB/EiJ strains Marie-Stéphanie Clerget-Froidevaux (France)
11:12 - 11:24	OP-13-65 3,3 [,] ,5-triiodo-L-thyronine and 3,5-diodo-L-thyronine differentially modulate hepatic mitochondrial quality control in hypothyroid rats Antonia Giacco (Italy)
11:24 - 11:36	OP-13-66 Generation of human thyroid organoids from embryonic stem cells to rescue hypothyroidism Mirian Romitti (Belgium)
11:36 - 11:48	OP-13-67 A Single Cell Atlas of the T3-responsive Transcriptome during Early Cortical Neurogenesis in Human Cerebral Organoids Robert Opitz (Germany)
11:48 - 12:00	OP-13-68 WITHDRAWN

TUESDAY 13.09.2022

44th Annual Meeting of the European Thyroid Association

Room SALLE M

SCIENTIFIC PROGRAMME

12:10 - 13:40

SCIENTIFIC Symposium 7

New avenues for diagnostic and treatment of thyroid cancer

Chairs: Maria-Cristina Burlacu (Belgium) and Gabriella Pellegriti (Italy)

12:10 - 12:40	Mutations in DICER1 and other microRNA genes in thyroid nodules Barbara Rivera (Spain)
12:40 - 13:10	Role of Tumor Microenvironment in Thyroid Cancer Metastasis Malgorzata Oczko-Wojciechowska (Poland)
13:10 - 13:40	RET rearrangements as druggable targets in papillary thyroid carcinomas <i>Thomas Musholt (Germany)</i>

12:10 - 13:40

Room STUDIO

SCIENTIFIC Symposium 8

Ageing/Genetics

Chairs: Leonidas Duntas (Greece) and W. Edward Visser (Netherlands)

12:10 - 12:40	Impact of ageing on TFT Diana van Heemst (Netherlands)
12:40 - 13:10	Treatments of Hypothyroidism Bernadette Biondi (Italy)
13:10 - 13:40	Dio2 polymorphisms clinical implications Colin Dayan (United Kingdom)





Room SALLE M

13:40 - 14:00

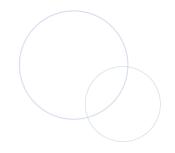
PRIZE CEREMONY and CLOSURE

Chairs: Graham Williams (United Kingdom) and Leonidas Duntas (Greece)



44th Annual Meeting of the European Thyroid Association

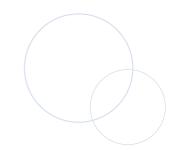
Industry Sponsored Satellite Symposia

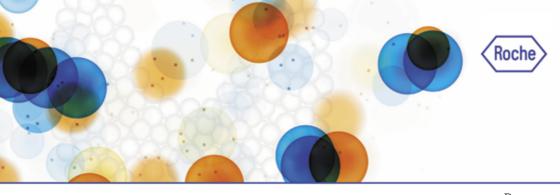


SATURDAY, 10.09.

15.30 - 16.30	ETA Industry-sponsored	
	Satellite Symposium 1: ROCHE	SALLE M
SUNDAY, 11.	09.	
07.00 - 08.00	ETA Industry-sponsored Satellite Symposium 2: VINDICO	STUDIO
11.00 - 12.00	ETA Industry-sponsored Satellite Symposium 3: MERCK	HENRY LE BOEUF
12.00 - 13.00	ETA Industry-sponsored Satellite Symposium 4: EISAI	SALLE M
15.00 - 16.00	ETA Industry-sponsored Satellite Symposium 5: IPSEN	SALLE M
MONDAY, 12	2.09.	
07.00 - 08.00	ETA Industry-sponsored Satellite Symposium 6 : QUIDEL	STUDIO
11.00 - 12.00	ETA Industry-sponsored Satellite Symposium 7: LILLY	HENRY LE BOEUF
15.45 - 16.45	ETA Industry-sponsored Satellite Symposium 8: IBSA	HENRY LE BOEUF

Notes





44th Annual ETA Meeting Industry Satellite Symposium

Room SALLE M

Making treatment decisions for thyroid cancers with oncogenic drivers

Saturday, 10 September 2022, 15:30–16:30 CEST Salle M, Bozar, Brussels, Belgium

We look forward to welcoming you to this engaging discussion with our expert global panel

Programme

Welcome and introduction Rossella Elisei – symposium chair

Oncogenic drivers in thyroid cancer Rossella Elisei

Molecular testing in thyroid cancer: who, when and how? Jonathan Wadsley

Advancing care for patients with oncogenic drivers Livia Lamartina

Faculty discussion and Q&A

Expert Panel

Rossella Elisei (chair) University of Pisa, Italy

Jonathan Wadsley University of Sheffield, UK

Livia Lamartina Gustave Roussy, Villejuif, France

CME SATELLITE SYMPOSIUM | For more information visit: ETA2022.com

THYROID EYE DISEASE: Addressing the NEED FOR EARLY INTERVENTION AND COMANAGEMENT

Sunday, 11 September 2022

Bozar 23 Rue Ravenstein | 1000 Brussels | Belgium Room: Studio

06.45 - 07.00 CET REGISTRATION 07.00 - 08.00 CET CME SYMPOSIUM



Terry J. Smith, MD ACTIVITY CHAIR Frederick G.L. Huetwell Professor Ophthalmology and Visual Sciences Professor of Internal Medicine University of Michigan Medical School Ann Arbor, MI



Raymond S. Douglas, MD, PhD

Professor of Surgery Division of Ophthalmology Director, Orbital and Thyroid Eye Disease Program Cedars-Sinai Medical Center Los Angeles, CA

OVERVIEW

Join us for an exciting, case-based program to learn more about the need for early intervention, comanagement, as well as available treatment options for patients with thyroid eye disease (TED).



George J. Kahaly, MD, PhD

Professor of Medicine and Endocrinology/Metabolism Department of Medicine Johannes Gutenberg University Medical Center Mainz, Germany

This continuing medical education activity is provided by



This activity is supported by an educational grant from Horizon Therapeutics Ireland DAC. Held in conjunction with



AGENDA

07.00 CET	Introduction and Pretest Terry J. Smith, MD
07.05 CET	Detecting and Assessing Thyroid Eye Disease Terry J. Smith, MD
07.20 CET	Treating Thyroid Eye Disease in the Here and Now Raymond S. Douglas, MD, PhD
07.35 CET	TED Case Discussion George J. Kahaly, MD, PhD
07.50 CET	Posttest and Question & Answer

LEARNING OBJECTIVES

Upon successful completion of this activity, participants should be better able to:

- Review evidence-based recommendations regarding the differentiation and assessment of disease activity to aid in earlier diagnosis, classification, and treatment of TED.
- Assess current evidence regarding the efficacy, safety, benefits, and limitations of conventional and new therapies for the treatment of TED.
- Summarize best practices for treatment and referral that can improve the multidisciplinary comanagement of patients with TED.

TARGET AUDIENCE

The intended audience for this activity is endocrinologists, ophthalmologists, and other health care professionals involved in the management of people with TED.



08.00 CET Conclusion

This symposium is intended for registered attendees of ETA Brussels 2022 only. Symposium pre-registration is not required; seating is based on arrival order. ETA Brussels 2022 information can be found at: ETA2022.com.

Questions? Questions@VindicoCME.com

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Faculty, topics, program schedule, and credit hours are subject to change. Recording of any manner is prohibited without written permission from Vindico Medical Education, Office of Medical Affairs and Compliance.





Merck Satellite Symposium 44th Annual ETA Meeting 2022 Brussels

T3 for hypothyroidism

Sunday, September 11th 11.00 – 12.00 am CEST

Room HENRY LE BOEUF





Chair and Moderation: George KAHALY (Germany)

Rationale, basic & clinical data for T3 supplementation Anne R. Cappola (US)

ETA / ATA / BTA Consensus: Facts, requirements, and planned trials

Colin Dayan (UK)

Practical experience with T3: Dose, daily intake, adverse events, and monitoring

Birte Nygaard (Denmark)

(Global) Merck Healthcare KGaA organized and funded this educational symposium.

Frankfurter Str. 250, Darmstadt, Germany, Phone: +49 6151 72 9978, www.merckgroup.com Eisal promotional satellite symposium at the 2022 annual meeting of the European Thyroid Association



JOIN US AS WE DEBATE...

Where does the balance lie in achieving good clinical outcomes and quality of life in RAI-R DTC?

Sunday 11th September 2022 | 12:00 -13:00 CEST |

Systemic therapy should be reserved for patients with symptomatic disease

Professor Cosimo Durante University of Rome 'Sapienza', Italy Treatment with systemic therapy should be initiated early to maximise clinical outcomes

Dr Sophie Leboulleux Hôpitaux Universitaires de Genève, Switzerland

Can we leverage pre-habilitation and AE management strategies to maintain patient QoL while on systemic therapy? Professor Cosimo Durante · Dr Sophie Leboulleux

Q&A and panel discussion

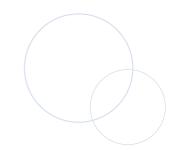
Chaired by Professor Laura Fugazzola, University of Milan, Italy



Eisal products will be discussed at this meeting. Eisal organized and funded this satellite symposium.

EMEA-LENA-22-00110 Date of Preparation: August 2022

Notes



2022 ETA Ipsen-sponsored satellite symposium:

NEW DIRECTIONS IN THYROID CANCER: TREATMENT SEQUENCING

WITH INTERACTIVE TUMOUR BOARD



Room

FACULTY:

Laura Fugazzola (Italy) Michael Kreissl (Germany) Cosimo Durante (Italy)

Welcome and Introduction

The evolving landscape: Advances in Thyroid cancer treatment 15:05

Looking to the future in RAI-R DTC 15:20

RAI-R DTC treatment in the real-world setting: An interactive tumour board 15:35



Sunday 11th September 15:00-16:00 CEST Brussels, Belgium

This is an educational, non-promotional meeting organised and funded by lpsen CB2-ALL-0037631CMX-BE-000257. Date of preparation: July 2022 Brussels, Belgium

Quidel Satellite Symposium

Monday, September 12, 2022 07:00 - 08:00

ETA 2022

Progress in Methodology and Assay Comparison

Antibody functionality and novel developments George J. Kahaly Mainz, Germany

Multicenter, single blind, prospective comparison of TSH-R assays Mark A. Lupo Sarasota, Florida, USA

Breakfast will be provided!

Room HENRY LE BOEUF



European Thyroid Association 2022

Lilly satellite symposium



Laura Fugazzola Italy



Patrick Pauwels Belgium



Sophie Leboulleux Switzerland



Robin Peeters Netherlands

Monday 12 September 11:00–12:00 (CEST), Henry Le Boeuf Room

Room HENRY LE BOEUF

Targeting Biomarker-Driven Advanced Thyroid Cancer Today: Most Recent Diagnostics and Treatment Updates

Symposium Objectives

- Discuss the optimal diagnostic techniques and guidelines to identify actionable biomarker-driven thyroid cancer to support treatment decisions
- Accelerate the translation of clinical evidence into clinical practice for patients with advanced thyroid cancer
- · Facilitate the exchange of clinical experience in the management of thyroid cancer

Agenda

11:00	Introduction and welcome	Patrick Pauwels, Belgium (Chair) Laura Fugazzola, Italy (Chair)
11:05	Tissue testing for actionable biomarkers in patients with advanced thyroid cancer	Patrick Pauwels, Belgium
11:15	Biomarker-driven thyroid cancer: state of the art treatments of advanced diseases	Sophie Leboulleux, Switzerland
11:30	Panel discussion	Moderated by Laura Fugazzola
11:45	Case-based discussion on practical management of thyroid cancer	Robin Peeters, Netherlands
11:58	Closing remarks	Patrick Pauwels, Belgium



ETA 44 2022 Eu

44th Annual Meeting of the European Thyroid Association Brussels, Belgium September 10-13, 2022

Room HENRY LE BOEUF



INVITATION IBSA Satellite Symposium

Monday, September 12th, 2022

15.45-16.45 Room Henry Le Boeuf Bozar Brussels



IBSA Satellite Symposium Hypothyroidism treatment. Where are we and where are we going?

Monday, September 12th, 2022 15.45-16.45

PROGRAM

Chairman:	Laszlo	Hegedüs	(Denmark
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15.45-15.50	Welcome and introduction Laszlo Hegedüs	
15.50-16.15	Thyroid hormone formulations: is their availability a determinator of their use in Europe? Enrico Papini (Italy)	
16.15-16.40	6.15-16.40 Factors affecting LT4 absorption: which strategies to overcome the barriers? Pierpaolo Trimboli (Switzerland)	
16.40-16.45	Closing remarks Laszlo Hegedüs	

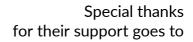




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Transparency Declaration

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Merck KGaA	30.000 € 4.500 €	for a satellite symposium for an exhibition space ETA Pinchera Prize:the sponsorship comprises the value of 3.000€ for the prize plus reimbursement of travel expenses (economy class flights) and congress registration fee
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Quidel	15.000 € 3.000 €	for a satellite symposium for an exhibition space
RF Medical Co. Ltd	3.000€	for an exhibition space
STARmed Co., Ltd.	4.500€	for an exhibition space Provision of lanyards
Vindico Medical Education	15.000 € 1.000 €	for a satellite symposium for a congress bag insert
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