

37th Annual Meeting of the European Thyroid Association

Programme

Leiden, The Netherlands, September 7–11, 2013

Guest Editors

Jan Smit, Nijmegen, The Netherlands

Theo Visser, Rotterdam, The Netherlands

The Executive Committee of the ETA and the Dutch National Organising Committee would like to thank the following companies for their generous support of the 37th Annual Meeting































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European Thyroid Journal

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A Warm Welcome to the ETA Annual Meeting in the Beautiful City of Leiden



Dear friends, colleagues and members,

On behalf of the National Organizing Committee, I wish you a warm welcome to the city of Leiden for the occasion of the 37th European Thyroid Association Annual Meeting.

It is a great honor and pleasure to host one of the world's most prestigious thyroid scientific conventions in an environment which is also world renowned for its rich scientific and cultural heritage. Leiden hosts the oldest university of The Netherlands, founded in 1575, and the first one to practice freedom of belief and religion, as reflected in the university's motto, Praesidium Libertatis, Bastion of Liberty. Leiden has attracted world famous scientists including Spinoza, Descartes and the physician Herman Boerhaave whose famous 'anatomical theatre' is still displayed at the Boerhaave museum.

We are convinced that you will be excited not only by the excellent scientific program, which brings top class fundamental and clinical thyroid research, but also by the beauty of the congress venue, the tastefully renovated 19th century City Music Hall, with its intimate and stylish meeting rooms.

We hope to meet you at the varying and attractive social activities, which include the opening reception at the impressive Hooglandse Kerk with its charming Northern European gothic architecture, the canal cruise in small boats followed by an informal dinner, music and dance in the former linen factory Scheltema, and the gala dinner, where you will meet your colleagues surrounded by mummies and other ancient artifacts in the National Museum of Antiquities.

As Leiden is relatively small, there are ample possibilities to discover the highlights of the city by foot or, like the Dutch, take a bike and experience the typical Dutch countryside with windmills and lakes.

We look forward to meeting you at this fruitful and exciting congress!



(hand

Johannes Smit Chair of the National Organizing Committee

Theothein

Theo Visser
President of the ETA

Registration Information

European Thyroid Journal

Main Conference Fees

Membership status	before 30th June	1st July – 31st August	on site
Ordinary and Senior	150 €	175 €	200€
Junior <35 yrs	60€	80€	100€
Corresponding	250€	300€	350€
Non-Member	500€	550€	600€
Student /Res. fellow <30 yrs	125€	160 €	200€
Accompanying Person	30€	40€	50€

Pre-Conference Events Fees

ETA-CRN and ESES Meeting	50€
ICCIDD	40 €
Ultrasonography Course	150€
Basic Thyroid Course	free

Day Tickets (only available on site)

Saturday: 100 €

Sunday, Monday, Tuesday: 150 € per day

Wednesday: 75 €

Main Conference Registration Entitlements

Delegate registration includes:

- Access to all congress sessions and commercial exhibition (according to Dutch Law, only physicians are permitted to visit the commercial exhibition)
- All congress materials and a name badge
- Programme/Abstract Book
- Lunch boxes
- Coffee breaks during the congress
- Welcome Reception

Registration does not include:

– Accommodation, tickets to the social events (unless otherwise stated) or optional excursions

Accompanying person registration free includes:

- Name badge
- Welcome Reception
- Access to the lecture halls and commercial exhibition is not included!

Pre-Conference Registration Entitlements

ETA-CRN, ICCIDD and Ultrasonography Course and Basic Thyroid Course Admission to the Scientific Sessions, congress material, lunch and coffee breaks

Social Programme

7th September Welcome Reception at Hooglandse Kerk	free for registered participants, registered accompanying persons and exhibitors
9th September ETA Excursion to Scheltema Complex	50 €
10th September Gala Dinner at the National Museum of Antiquities	75 €

On-Site Registration / Secretariat Desk / Membership Information

The Congress Registration Desk will be located in the entrance area of the Congress Centre and will operate the following hours:

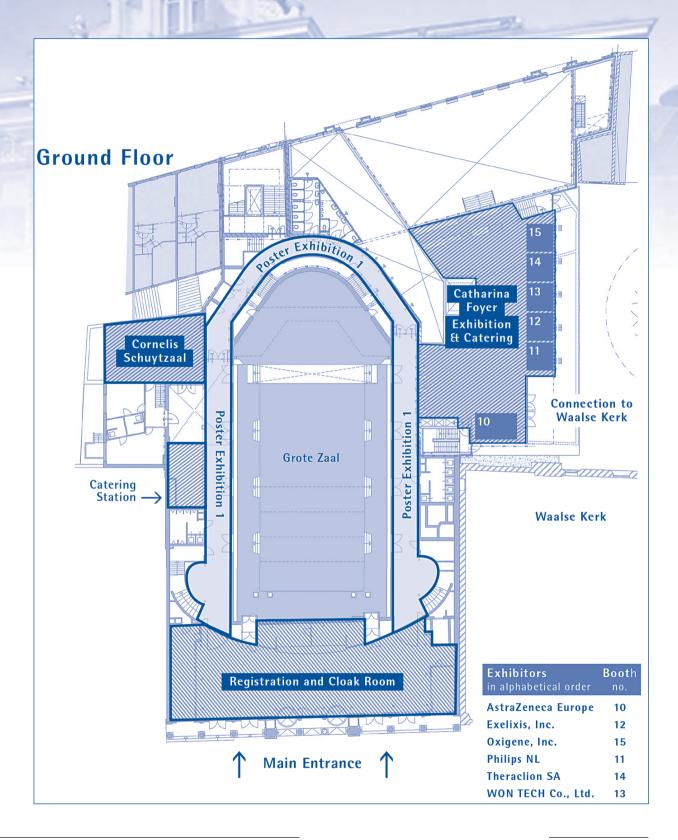
Saturday	7th September	07.30-19.00
Sunday	8th September	07.30-19.00
Monday	9th September	07.30-18.00
Tuesday	10th September	07.30-18.00
Wednesday	11th September	07.30-13.00

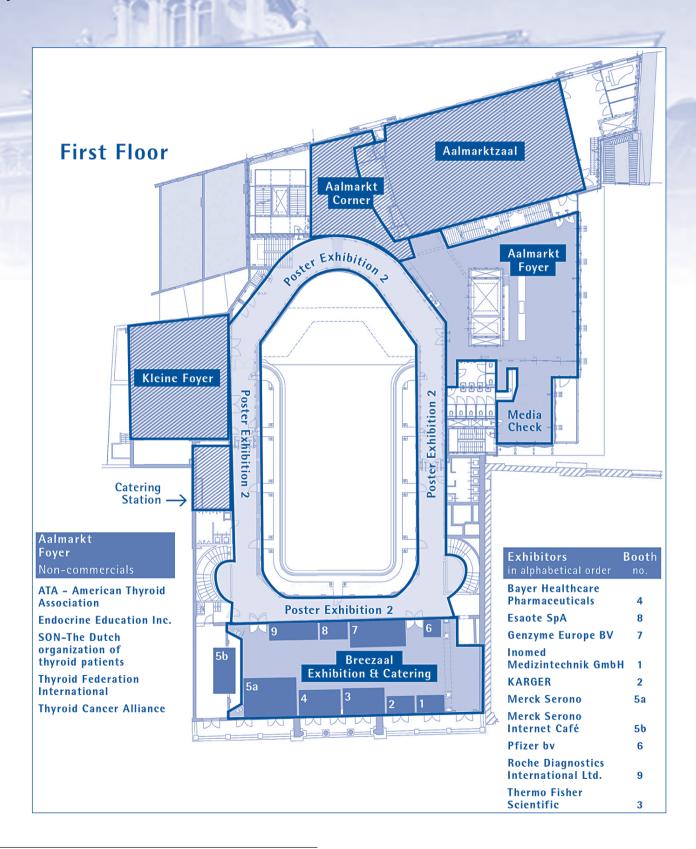
During these hours, staff at the Registration Desk can be contacted at this number: 0031 (0)71 516 24 35.

ETA Commercial Exhibition Opening Hours

The commercial exhibition will commence on Saturday, 7th September and finish on Tuesday, 10th September.

Set-up:	Friday, 6th September	09.00-20.00
Preliminary opening times:	Saturday, 7th September	09.00-18.00
	Sunday, 8th September	09.00-18.00
	Monday, 9th September	09.00-17.00
	Tuesday, 10th September	09.00-18.00
Break-down:	Tuesday, 10th September	18.00-22.00







Sunday, 8th September

Poster Session	Ground Floor Poster Exhibition Area 1	First Floor Poster Exhibition Area 2	First Floor Aalmarkt Corner
PO1: Thyroid Autoimmunity Basic	Posters 01–07		
PO2: Thyroid Basic		Posters 08–17	
PO3: Thyroid Cancer Basic 1		Posters 18, 20–29	
PO4: Thyroid Cancer Diagnostics 1	Posters 30–38		
PO5: Thyroid Cancer Pathogenesis	Posters 39–47		
PO6: Thyroid Cancer Therapeutics 1	Posters 48–56		
PO7: Case Reports 1		Posters 57–65	
PO8: Clinical Thyroidology 1		Posters 66–76	
PO9: Graves' Orbitopathy		Posters 77–85	
PO10: Hyperthyroidism 1			Posters 86–94

Monday, 9th September

Poster Session	Ground Floor Poster Exhibition Area 1	First Floor Poster Exhibition Area 2	First Floor Aalmarkt Corner
PO11: Thyroid Autoimmunity Clinical	Posters 95–104		
PO12: Thyroid Cancer Basic 2	Posters 19, 105–115 & Oral 16		
PO13: Thyroid Cancer Diagnostics 2	Posters 116–124		
PO14: Thyroid Nodules & Goitre 1			Posters 125–132
PO15: Thyroid Cancer Therapeutics 2		Posters 133–141	
PO16: Case Reports 2		Posters 142–150	
PO17: Clinical Thyroidology 2		Posters 151–156 & 158	
PO18: Environmental Influences on Thyroid Function		Posters 159–166	
PO19: Hyperthyroidism 2		Posters 167–175	
PO20: Hypothyroidism		Posters 176–183	

Tuesday, 10th September

Poster Session	Ground Floor Poster Exhibition Area 1	First Floor Poster Exhibition Area 2	First Floor Aalmarkt Corner
PO21: Thyroid Cancer Diagnostics 3	Posters 184-192		
PO22: Thyroid Cancer Diagnostics 4	Posters 193–201		
PO23: Thyroid Cancer Therapeutics 3	Posters 202–210		
PO24: Thyroid Cancer Therapeutics 4	Posters 211–218		
PO25: Case Reports 3			Posters 219, 221–227
PO26: Imaging		Posters 228–231, 233–237	
PO27: Thyroid Hormone Metabolism and Action		Posters 238–249	
PO28: Medullary Thyroid Cancer		Posters 250–257	
PO29: Thyroid Nodules & Goitre 2		Posters 259–266	
PO30: Thyroid in Reproduction & Development		Posters 267–275	

Saturday, 7th September 2013

Grote Zaal/Main Auditorium 08.30–15.15

ETA-Cancer Research Network (CRN) Meeting

in cooperation with the European Society of Endocrine Surgeons & the European Association of Nuclear Medicine

Kleine Foyer 08.15-15.00

Advanced Thyroid, Neck Ultrasonography & Ultrasound-Assisted Procedures

Satellite Meeting on Thyroid Ultrasonography with Live Session

Aalmarkt Zaal 08.00-15.45

ICCIDD Global Network West-Central Europe Regional Meeting

De Waag (Corner Aalmarkt/Mandenmakerssteeg) 10.00–15.30

Basic Thyroid Course

Cornelis Schuytzaal 12.00–13.00

TFI Doctors-Patients Workshop

A Joint Workshop from the Thyroid Federation International (TFI) and the Dutch Organization of Thyroid Patients (SON)

- 1. Short talk by a representative from the TFI Board about how TFI came to be and about its objectives and activities (10 minutes)
- 2. Short talk by a representative from SON about its objectives and activities (10 minutes)
- 3. Discussion: 'Do's and Don'ts' of setting up a Patient Organization (10 minutes)
- 4. Question time (30 minutes)







ETA-CRN

President: *Ulla Feldt-Rasmussen*, National University Hospital, Copenhagen, DK Secretary: *Barbara Jarząb*, Maria Sklodowska-Curie Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Poland Treasurer: *Georg Brabant*, The University of Lübeck, Germany

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University Medical Centre Ljubljana,
Slovenia
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Istituto Clinico Humanitas, Italy

ETA-Cancer Research Network (CRN) Meeting

in cooperation with: European Society of Endocrine Surgeons (ESES) European Association of Nuclear Medicine (EANM)

Grote Zaal/Main Auditorium 08.30-15.15

13.00-13.30

Clinical Trials in Thyroid Cancer: An Update and Call for Further Studies

08.30-08.50 08.50-09.00	9
Session 1	Nuclear Medicine Treatment in Europe Chairperson: <i>Ulla Feldt-Rasmussen</i> , Denmark
09.00-09.45	The HiLo trial results: an update Ujjal K. Mallick, UK
10.00-10.45	ESTIMABL trial in low risk differentiated thyroid cancer: an update Sophie Leboulleux, France
11.00–11.45	How the HiLo study and ESTIMABL study have influenced the nuclear medicine practice in Europe? Markus Luster, Germany
11.45–12.15	Discussion
12.15-13.00	Lunch break

Session 2 Surgery of Thyroid Cancer: Prophylactic Lymphadenectomy in Papillary Thyroid Cancer – Pros and Cons

Chairpersons: Marcin Barczynski, Poland; Radu Mihai, United Kingdom

	rationale and complications
	Juan José Sancho, Spain
13.45-14.15	Feasibility of clinical trial for prophylactic lymphadenectomy in
	thyroid cancer
	Agnieszka Czarniecka, Poland

Prophylactic lymphadenectomy in papillary thyroid cancer:

14.15–14.45 'Insight in the quality of care for patients with thyroid cancer': update of the project in The Netherlands and discussion about the future European collaboration in this field Ad Hermus, The Netherlands

14.45–15.15 General comments and discussion

15.15–16.00 ETA-CRN General Assembly. Elections of the ETA-CRN Board

Advanced Thyroid, Neck Ultrasonography & Ultrasound-Assisted Procedures Satellite Meeting on Thyroid Ultrasonography with Live Session

Kleine I	Foyer
08.15-1	5.00

08.15–08.30 Introduction

Jan Smit, The Netherlands and Paolo Vitti, Italy

Thyroid Ultrasound (US) Guided Fine Needle Aspiration (FNA)

Chairperson: Paolo Vitti

08.30–08.45 Basics & history of US in endocrine clinics; advantages, disadvantages and pitfalls *Murat Erdogan*, Turkey

08.45–09.00 Doppler sonography and elastosonography in thyroid nodules.

Different results and comparison of different equipment

Teresa Rago, Italy

09.00–09.15 US guided FNA procedure; advantages, disadvantages and pitfalls? Enrico Papini, Italy

Ultrasound Management of Multinodular Goiter

Chairperson: Paolo Vitti

09.15–10.45 Interactive case illustrations on video presentations.

Laurence Leenhardt, Teresa Rago, Enrico Papini, Gilles Russ,
Alptekin Gürsoy, Herve Monpeyssen, Steen J. Bonnema

10.45-11.15 Coffee break

Ultrasound Management of Thyroid Cancer

Chairperson: Murat Erdogan

11.15–11.30 Undetected carcinomas: learning from one's mistakes
 Gilles Russ, France
 11.30–11.45 Ultrasound guidelines for the follow up of thyroid cancer

Laurence Leenhardt, France

11.45–12.15 Mini-invasive treatment procedures (PEI and thermal ablation) for thyroid nodules and metastatic cervical lymph nodes *Laszlo Hegedüs*, Denmark

12.15–13.30 Lunch break

13.30-15.00

Live Session, Video Presentations of Clinical Cases, US Procedures and Take Home Messages

Chairperson: Laurence Leenhardt

- The Italian team (Teresa Rago, Enrico Papini, Paolo Vitti)

- The French team (Gilles Russ, Herve Monpeyssen, Laurence Leenhardt)

- The Turkish team (Alptekin Gürsoy, Murat Erdoğan)

- The Danish team (Steen J. Bonnema, Laszlo Hegedüs)

Kindly sponsored by Esaote, Benelux and Philips, The Netherlands

ICCIDD Global Network West-Central Europe Regional Meeting

Aalmarktzaal, First Floor, City Music Hall, Leiden 08.00–15.45

08.00–08.30 Registration
08.30–08.40 Welcome Address

John Lazarus (ICCIDD GN Regional Coordinator)

Elizabeth Pearce (ICCIDD GN Deputy Regional Coordinator The Americas)

Scientific Symposium Section 1

Chairmen: Paolo Vitti (Italy) John Lazarus (UK)

08.40–08.55 Effects of maternal thyroid state and iodine intake on development of the offspring

Marco Medici (The Netherlands)

08.55–09.00 Discussion

09.00–09.15 Mild iodine deficiency and neurocognitive outcomes

Peter Taylor (UK)

09.15-09.20 Discussion

09.20-09.35 The Norwegian mother and child cohort study

Helle Margrete Meltzer (Norway)

09.35-09.40 Discussion

09.40-09.55 Coffee break

Section 2

Chairmen: Peter Smyth (Ireland)

Elizabeth Pearce (Deputy Regional Coordinator The Americas)

09.55–10.10 The iodine cycle and IDD protection

Alex Stewart (UK)

10.10-10.15 Discussion

10.15–10.30 Serum thyroglobulin as a biomarker for iodine deficiency

Tomislav Jukic (Croatia)

10.30-10.35 Discussion

10.35–10.50 Salt reduction/salt iodisation

Ludmila Ivanova (Bulgaria)

10.50-10.55 Discussion

10.55–11.25 Aldo Pinchera Memorial Lecture

Professor Paolo Vitti (Italy)

11.25–12.15 Lunch and Poster Viewing



Section 3 Iodine Nutrition Status in West and Central Europe: An Update on Present Status and Future Developments

12.15–12.25 Introduction John Lazarus (UK)

12.25–13.55 Presentation of Country Data: ICCIDD GN National Representatives Chairmen: *John Lazarus* (ICCIDD West & Central Europe Regional Coordinator) *Murat Erdogan* (Turkey)

Albania – *Agron Ylli*Belgium – *Rodrigo Moreno-Reyes*Bosnia Herzegovina – *Amela Lolic*

Bulgaria – *Ludmilla Ivanova*

Croatia – Zvonko Kusic

Cyprus – Georgios Georgiades

Czech Republic – Vaclav Zamrazil

Denmark – Peter Laurberg

Estonia - Toomas Podar

Finland - Matti Valimaki

France – Phillipe Caron

Germany – Henry Volzke

Greece - Kostas Markou

Hungary – Endre Nagy

Ireland – *Peter Smyth*

Israel – Aron Troen

Italy - Paolo Vitti

13.55-14.10 Coffee break

14.10–15.45 Presentation of Country Data: ICCIDD GN National Representatives Chairmen: *Paolo Vitti* (ICCIDD West & Central Europe Deputy Regional Coordinator) *Peter Laurberg* (Denmark)

Latvia – Valdis Pirags

Lithuania – Albertas Barzda

Luxembourg – Yolande Wagener

Macedonia – Borislav Karafilski

The Netherlands - Robin Peeters

Norway - Lisbeth Dahl

N. Cyprus - Hasan Sav

Poland – Zbigniew Szybinski

Portugal – *Edward Limbert*

Romania – Mihaela Simescu

Serbia – Bozo Trbojevic

Slovakia – Jan Podoba

Slovenia – Segej Hojker

Spain – Lluis Vila

Sweden - Mehari Gebre-Medhin

Switzerland - Michael Zimmermann

Turkey – Murat Erdogan

United Kingdom – Mark Vanderpump

ICCIDD GLOBAL NETWORK

Regional Coordinator West and Central Europe: John Lazarus

Deputy Regional Coordinator: Paolo Vitti

Secretariat ICCIDD GN West Central Europe E-Mail: ICCIDD@cf.ac.uk

Basic Thyroid Course

De Waag (Corner Aalmarkt/Mandenmakerssteeg) 10.00–15.30

Thyroid Development, Function and Carcinogenesis Session 1

Chairpersons: *Josef Köhrle, Germany; Theo J. Visser,* The Netherlands

10.00–10.30 Thyroid anatomy and hormone production *Patrice Rodien*, France

10.30–11.00 Regulation of the hypothalamus-pituitary-thyroid axis

Eric Fliers, The Netherlands

11.00–11.30 Thyroid gland embryology

Roberto Di Lauro, Italy

11.30–12.00 From stem cells to thyroid gland

Sabine Costagliola, Belgium

12.00-12.30 Discussion

12.30-13.00 Lunch break

Session 2

Chairpersons: Clara Alvarez, Spain; Luca Persani, Italy

13.00–13.30 Congenital hypothyroidism: defects in thyroid gland development

Heiko Krude, Germany

13.30–14.00 Signaling pathways in the thyroid gland

Pilar Santisteban, Spain

14.00–14.30 Molecular causes of thyroid cancer

Massimo Santoro, Italy

14.30–15.00 Thyroid development and carcinogenesis: reciprocal processes?

Mikael Nilsson, Sweden

15.00-15.30 Discussion

15.30 End

Saturday, 7th September 2013

Grote Zaal/Main Auditorium
16.00–18.00

Merck Serono Living science, transforming lives

Merck Serono Symposium

The Impact of Hypothyroidism in Daily Life

Chairperson: *Leonidas Duntas*, Greece Co-Chairperson: *Luigi Bartalena*, Italy

- 16.00 Welcome Introduction Leonidas Duntas, Greece
- 16.10 Hypothyroidism during pregnancy and the post-partum *Victor Pop*, The Netherlands
- 16.35 Neuroendocrine and cognitive impact of hypothyroidism *Peter Laurberg*, Denmark
- 17.00 Association of high TSH level with obesity and thyroid cancer risk *Furio Pacini*, Italy
- 17.25 Morbidity and mortality of hypothyroidism *George J. Kahaly*, Germany
- 17.50 Closing remarks *Luigi Bartalena*, Italy

Grote Zaal/Main Auditorium 18.00–18.15

Opening Ceremony

Welcome by Theo Visser and Jan Smit

Grote Zaal/Main Auditorium 18.15–19.00

The European Thyroid Journal Lecture

Chair: Wilmar M. Wiersinga, The Netherlands
Editor-in-Chief of the European Thyroid Journal

Disorders of thyroid hormone action: insights from human genetics *Krishna Chatterjee*, UK

19.30-21.00 Welcome Reception (Hooglandse Kerk)



Sunday, 8th September 2013

Grote Zaal/Main Auditorium

08.00-10.00

Oral Session 1: Topic Highlights (OP01–OP06)

Chairpersons: *Theo Visser*, The Netherlands *Jan Smit*, The Netherlands

08.00-08.20

OP01 EFFICACY OF CABOZANTINIB IN A PHASE 3 STUDY OF MEDULLARY THYROID CANCER (MTC) PATIENTS WITH RET OR RAS MUTATIONS

Sherman SI¹, Cohen EEW², Schöffski P³, Elisei R⁴, Schlumberger M⁵, Wirth L⁶, Mangeshkar M⁷, Aftab DT⁷, Clary DO⁷, Brose M⁸

¹University Texas MD Anderson Cancer Center, Houston, United States, ²University of Chicago, Chicago, United States, ³University Hospitals Leuven, KU Leuven, Leuven, Belgium, ⁴University of Pisa, Pisa, Italy, ⁵Institut Gustave Roussy, University Paris-Sud, Villejuif, France, ⁶Massachusetts General Hospital, Boston, United States, ⁷Exelixis, Inc., South San Francisco, United States, ⁸University of Pennsylvania Health System, Philadelphia, United States

08.20-08.40

OP02 A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED PHASE III TRIAL (DECISION) OF SORAFENIB IN LOCALLY ADVANCED OR METASTATIC PATIENTS WITH PROGRESSIVE RADIOACTIVE IODINE-REFRACTORY DIFFERENTIATED THYROID CANCER

Schlumberger M¹, Jarzab B², Elisei R³, Siena S⁴, Bastholt L⁵, de la Fouchardiere C⁶, Pacini F⁷, Paschke R⁸, Worden F⁹, Bockisch A¹⁰, Nutting C¹¹, Shong YK¹², Sherman SI¹³, Smit JWA¹⁴, Chung J¹⁵, Kappeler C¹⁶, Molnar I¹⁵, Brose MS¹⁷

¹Institut Gustave Roussy, Villejuif, France, ²Maria Sklodowska-Curie Memorial Cancer Centre and Institute of Oncology, Gliwice, Poland, ³University of Pisa, Department of Clinical and Experimental Medicine, Pisa, Italy, ⁴Ospedale Niguarda Ca' Granda, Milan, Italy, ⁵Odense University Hospital, Odense, Denmark, ⁶Hospices Civils-Centre Anticancéreux, Consortium Cancer Thyroïdien, Lyon, France, ⁷University of Siena, Unit of Endocrinology, Siena, Italy, ⁸Leipzig University, Department for Endocrinology and Nephrology, Leipzig, Germany, ⁹University of Michigan Health System, Ann Arbor, United States,

¹⁰Universitätsklinikum Essen-Radiologie, Essen, Germany,
 ¹¹Royal Marsden Hospital, London, United Kingdom,
 ¹²University of Ulsan College of Medicine, Asan Medicine
 Center, Seoul, Republic of Korea,
 ¹³The University of Texas MD
 Anderson Cancer Center, Houston, United States,
 ¹⁴Radboud
 University Nijmegen Medical Center, Department of Internal
 Medicine, Nijmegen, Netherlands,
 ¹⁵Bayer HealthCare
 Pharmaceuticals, Montville, United States,
 ¹⁶Bayer Pharma AG,
 Berlin, Germany,
 ¹⁷University of Pennsylvania Health, Abramson
 Cancer Center, Philadelphia, United States

08.40-09.00

OP03 INAPPROPRIATE HEAT DISSIPATION IGNITES BROWN FAT THERMOGENESIS IN MICE WITH A MUTANT THYROID HORMONE RECEPTOR a1

<u>Warner A</u>¹, Rahman A², Gottschling K¹, Davis B², Vennström B¹, Arner A², Mittag J¹

¹Karolinska Institutet, Department of Cell and Molecular Biology, Stockholm, Sweden, ²Karolinska Institutet, Department of Physiology and Pharmacology, Stockholm, Sweden

09.00-09.20

OP04 A NOVEL MECHANISM OF TBG DEFICIENCY: MUTATION IN A LIVER SPECIFIC TRANSCRIPTION ENHANCER

Ferrara AM¹, Dumitrescu AM¹, Brown CD², Peterson A², Moeller LC³, Wyne K⁴, White KP², Weiss RE^{1,5}, Refetoff S^{1,5,6}

¹University of Chicago, Medicine, Chicago, United States, ²University of Chicago, Human Genetics, Chicago, United States, ³University of Duisburg-Essen, Endcrinology and Metabolic Diseases, Essen, Germany, ⁴Weill Cornell Medical College, The Methodist Hospital, Medicine, Houston, United States, ⁵University of Chicago, Pediatrics, Chicago, United States, ⁶University of Chicago, Committee of Genetics, Chicago, United States

09.20-09.40

OP05 **DICER1 PLAYS A CRUCIAL ROLE IN THYROID FUNCTION AND GOITER DEVELOPMENT IN MICE**

<u>Undeutsch H</u>¹, Löf C¹, Pakarinen P¹, Poutanen M¹, Kero J¹

¹University of Turku, Department of Physiology, Turku, Finland

A Satellite Symposium Held in Conjunction With the 37th Annual Meeting of the European Thyroid Association

This activity is sponsored by prIME Oncology.

TARGETED THERAPY FOR **ADVANCED MEDULLARY THYROID CANCER:** PRACTICAL ADVICE FOR CLINICIANS

Sunday, 8 September 2013 13.00-14.00

Grote Zaal/Main Auditorium City Music Hall (Stadsgehoorzaal) Breestraat 60 2311 CS Leiden the Netherlands

CHAIR

Thera P. Links, MD, PhD University Medical Centre Groningen Groningen, the Netherlands

FACULTY

Lars Bastholt, MD **Odense University Hospital** Odense, Denmark

Martin Schlumberger, MD Institute Gustave-Roussy Villejuif, France

TARGET AUDIENCE

This educational activity is specifically designed for oncologists, endocrinologists, and other healthcare professionals interested and/or involved in the treatment of patients with medullary thyroid cancer (MTC).

CONTINUING EDUCATION

prIME Oncology is accredited by the Accreditation Council on Continuing Medical Education to provide continuing medical education for physicians.

This activity has been approved for AMA PRA Category 1 Credit™.

AGENDA

Welcome and introduction Thera P. Links, MD, PhD

- 13.00 The when, what, and how of targeted therapy for MTC in 2013 Martin Schlumberger, MD
- 13.15 Clinical scenario #1—Symptomatic metastatic MTC in 2013: Using the right treatment for the right patient at the right time Lars Bastholt, MD
- 13.35 Clinical scenario #2—Progressive metastatic MTC following first-line tyrosine kinase inihibitor therapy: A look forward Thera P. Links, MD, PhD
- Symposium "pearls" and concluding remarks 13.55 Thera P. Links, MD, PhD
- 14.00 Adjourn

Register Online:

www.prIMEoncology.org/thyroid_leiden2013



Support for this educational activity is provided by AstraZeneca.

09.40-10.00

OP06 GENOME-WIDE MICRORNA EXPRESSION ANALYSIS
OF THYROID CANCER BY NEXT GENERATION SEQUENCING
IDENTIFIES MICRORNAS INVOLVED IN THYROID
DIFFERENTIATION

Riesco-Eizaguirre G^{1,2}, Wert L², Santisteban P²

¹Hospital Universitario La Paz (IdiPaz), Endocrinology, Madrid, Spain, ²Instituto de Investigaciones Biomédicas (CSIC-UAM), Madrid, Spain

10.00-10.30 **C**

Coffee break

Aalmarkt Zaal

10.30-12.00

Symposium 1 (Basic): Thyroid Hormone Regulation in Brain

Chairpersons: Juan Bernal, Spain

Anita Boelen, The Netherlands

10.30–11.00 Role of Dio2 in the HPT axis

Antonio Bianco, USA
11.00–11.30 Cell-specific function of TRa

Frédéric Flamant, France

11.30–12.00 Role of Dio3 in brain development

Arturo Hernandez, USA

Grote Zaal/Main Auditorium

10.30-12.00

Symposium 2 (Clinical): Imaging and Thyroid Incidentaloma

Chairpersons: Paolo Vitti, Italy

Romana Netea-Maier, The Netherlands

10.30–11.00 Epidemiological aspects: the size of the

problem

Sophie Leboulleux, France

11.00–11.30 Risk stratification by ultrasound

Gilles Russ, France

11.30–12.00 Management of thyroid incidentaloma

Laszlo Hegedüs, Denmark

Poster Area

12.00-13.00

Lunch and Poster Discussion 1 (Posters 1–94*)

*poster 19 will be presented on Monday in Poster Session 12 (see pages 39 to 47)

Poster Session 1: Thyroid Autoimmunity Basic

Chairperson: Paul Banga, UK
Poster Session 2: Thyroid Basic
Chairperson: Josef Köhrle, Germany
Poster Session 3: Thyroid Cancer Basic 1
Chairperson: Rosa Marina Melillo, Italy

Poster Session 4: Thyroid Cancer Diagnostics 1

Chairperson: Sophie Leboulleux, France

Poster Session 5: Thyroid Cancer Pathogenesis

Chairperson: Cristina Romei, Italy

Poster Session 6: Thyroid Cancer Therapeutics 1

Chairperson: Christine Spitzweg, Germany

Poster Session 7: Case Reports 1
Chairperson: Istvan Szabolcs, Hungary

Poster Session 8: Clinical Thyroidology 1

Chairperson: Murat Erdogan, Turkey
Poster Session 9: Graves' Orbitopathy
Chairperson: Anja Eckstein, Germany
Poster Session 10: Hyperthyroidism 1

Chairperson: Mario Salvi, Italy

Grote Zaal/Main Auditorium 13.00–14.00

AstraZeneca

prIME Oncology Satellite Symposium supported by AstraZeneca

Targeted Therapy for Advanced Medullary Thyroid Cancer (MTC): Practical Advice for Clinicians

Welcome and introduction

Thera P. Links, The Netherlands 13.00 The when, what, and how of targeted therapy for MTC in 2013 Martin Schlumberger, France 13.15 Clinical scenario #1–Symptomatic metastatic MTC in 2013: Using the right treatment for the right patient at the right time Lars Bastholt, Denmark Clinical scenario #2-Progressive metastatic MTC 13.35 following first-line tyrosine kinase inhibitor therapy: A look forward Thera P. Links, The Netherlands 13.55 Symposium "pearls" and concluding remarks Thera P. Links, The Netherlands 14.00 Adjourn



14.00-14.45 Meet the Expert 1-4

Kleine Foyer

14.00–14.45 **MTE 1 (Basic)**

Transcriptional regulation in thyroid

Josef Köhrle, Germany

Waalse Kerk

14.00–14.45 **MTE 2 (Translational)**

Thyroid hormone and lipid metabolism

Pieter de Lange, Italy

Grote Zaal/Main Auditorium

14.00–14.45 **MTE 3 (Clinical)**

ETA guidelines on TSH-secreting adenomas

Paolo Beck-Peccoz, Italy

Aalmarkt Zaal

14.00–14.45 **MTE 4 (Clinical)**

Assisted reproduction and thyroid dysfunction

Kris Poppe, Belgium

14.45-15.15 **Coffee break**

Grote Zaal/Main Auditorium 15.15–15.45

Harington-de Visscher Prize Lecture

Chairpersons: *Theo Visser*, The Netherlands *Luigi Bartalena*, Italy

Clinical consequences of variation in thyroid hormone

pathway genes

Robin Peeters, The Netherlands

Grote Zaal/Main Auditorium

16.00-18.00

Oral Session 2:

Young Investigators Session (OP07–OP14)

Chairpersons: Furio Pacini, Italy
Graham Williams, UK

16.00-16.15

OPO7 LOW BIRTH WEIGHT IN CHILDREN BORN TO
MOTHERS WITH HYPERTHYROIDISM AND HIGH BIRTH
WEIGHT IN HYPOTHYROIDISM, WHEREAS PRETERM BIRTH
IS COMMON IN BOTH CONDITIONS: A DANISH NATIONAL
HOSPITAL STUDY OF 1,638,338 CHILDREN AND THEIR
MOTHERS

Andersen SL^1 , Olsen J^2 , Wu CS^2 , Laurberg P^1

¹Aalborg University Hospital, Department of Endocrinology, Aalborg, Denmark, ²Aarhus University, Section for Epidemiology, Department of Public Health, Aarhus, Denmark

16.15-16.30

OPO8 GRAVES' ORBITOPATHY IN MICE WITH
THYROTROPIN RECEPTOR PLASMID ELECTROPORATION,
CHARACTERISED BY RETROBULBAR INFLAMMATION,
ADIPOGENESIS, FIBROSIS AND OCULAR MANIFESTATIONS
OF ACUTE CONGESTIVE OPHTHALMOPATHY

Moshkelgosha S¹, So P-W², Deasy N³, Diaz-Cano S⁴, Banga JP¹

¹King's College London School of Medicine, Diabetes and Endocrinology, London, United Kingdom, ²King's College London School of Medicine, Institute of Psychiatry, Preclinical Imaging Unit, London, United Kingdom, ³Institute of Psychiatry, Neuroradiology, London, United Kingdom, ⁴King's College Hospital NHS Trust, Pathology, London, United Kingdom

16.30-16.45

OP09 MATERNAL HYPOTHYROXINEMIA AND TPO ANTIBODIES, BUT NOT HIGH TSH LEVELS, ARE RISK FACTORS FOR PREMATURITY: THE GENERATION R STUDY

Korevaar TIM¹, Medici M¹, de Rijke YB², Visser W³, de Muinck Keizer-Schrama SMPF¹, Jaddoe VVW⁴, Hofman A⁴, Visser WE¹, Hooijkaas H⁵, Steegers EAP³, Tiemeier H⁴, Bongers-Schokking JJ¹, Visser TJ¹, Peeters RP¹

¹Erasmus Medical Center, Endocrinology, Rotterdam, Netherlands, ²Erasmus Medical Center, Clinical Chemistry, Rotterdam, Netherlands, ³Erasmus Medical Center, Gynaecology, Rotterdam, Netherlands, ⁴Erasmus Medical Center, Epidemiology, Rotterdam, Netherlands, ⁵Erasmus Medical Center, Immunology, Rotterdam, Netherlands

16.45-17.00

OP10 TLR3 SIGNALING PROMOTES METASTASIS OF PAPILLARY THYROID CANCER BY MODULATING CD44 EXPRESSION THROUGH PI3K/AKT PATHWAY

<u>Li D</u>^{1,2}, Gu R³, Nie X⁴, Zhao Q¹, Du Q¹, Guo H¹, Shi L¹, Huang T¹

¹Department of Breast and Thyroid Surgery, Union Hospital,
Tongji Medical College, Huazhong University of Science and
Technology, Wuhan, China, ²Department of Thyroid and Neck
Tumor, Tianjin Medical University Cancer Institute and
Hospital, Tianjin, China, ³Department of Cancer Center,
Union Hospital, Tongji Medical College, Huazhong University
of Science and Technology, Wuhan, China, ⁴Department of
Pathology, Union Hospital, Tongji Medical College,
Huazhong University of Science and Technology, Wuhan, China

17.00-17.15

OP11 IDENTIFICATION AND FUNCTIONAL STUDIES OF DUOX2 VARIANTS IN A LARGE SERIES OF PATIENTS WITH CONGENITAL HYPOTHYROIDISM

 $\underline{Muzza\ M^1}$, Rabbiosi S^2 , Zamproni I^2 , Persani $L^{1,3}$, Cortinovis F^2 , Vigone MC^2 , Beccaria L^4 , Schoenmakers N^5 , Gallo F^6 , Weber G^2 , Fugazzola L^1

¹University of Milan, Department of Clinical Sciences and Community Health, Milan, Italy, ²San Raffaele Scientific Institute, Vita-Salute San Raffaele University, Department of Pediatrics, Milan, Italy, ³Istituto Auxologico Italiano, Milan, Italy, ⁴A. Manzoni Hospital, Lecco, Italy, ⁵University of Cambridge, Institute of Metabolic Science, Cambridge, United Kingdom, ⁶Perrino Hospital, Brindisi, Italy

17.15-17.30

OP12 PATTERNS OF THYROID HORMONE RECEPTOR EXPRESSION DURING THE EARLY STAGES OF ZEBRAFISH DEVELOPMENT

Marelli F¹, Chatterjee K², Peeters RP³, Persani L^{1,4}

¹IRCCS Istituto Auxologico Italiano, Sperimental Laboratory of Endocrine and Metabolic Research, Cusano Milanino, Italy,
²University of Cambridge, Metabolic Research Laboratory, Cambridge, United Kingdom, ³Erasmus Medical Center, Departments of Internal Medicine, Rotterdam, Netherlands,
⁴University of Milan, Department of Medical Science, Milan, Italy

17.30-17.45

OP13 MICRORNA 214 IS A POTENTIAL REGULATOR OF THYROID HORMONE LEVELS IN THE POST-MI HEART BY TARGETING THE THYROID HORMONE INACTIVATING ENZYME DEIODINASE TYPE III

<u>Janssen R</u>¹, Zuidwijk M¹, Muller A¹, Oudejans C², Simonides W¹

¹Institute for Cardiovascular Research / VU University

Medical Center, Department of Physiology, Amsterdam,

Netherlands, ²VU University Medical Center, Department of

Clinical Chemistry, Amsterdam, Netherlands

17.45-18.00

OP14 CLINICAL AND LABORATORY FEATURES OF IGSF1 DEFICIENCY IN MALES AND FEMALES

<u>Joustra S</u>^{1,2}, Schoenmakers N³, Oostdijk W², Corssmit EP¹, Heinen CA⁴, Bonomi M⁵, Radetti G⁶, Persani L⁵, Campi l², Biermasz NR¹, Pereira AM¹, Chatterjee K³, Dattani MT⁶, Wit JM², van Trotsenburg ASP⁴

¹Leiden University Medical Center, Endocrinology and Metabolism, Leiden, Netherlands, ²Leiden University Medical Center, Paediatric Endocrinology, Leiden, Netherlands, ³Addenbrooke's Hospital, Institute of Metabolic Science, Cambridge, United Kingdom, ⁴Academic Medical Centre, Paediatric Endocrinology, Amsterdam, Netherlands, ⁵IRCCS Istituto Auxologico Italiano, Endocrine and Metabolic Disorders, Milan, Italy, ⁶Bolzano Hospital, Pediatric Unit, Bolzano, Italy, ⁷Università degli Studi di Milano, Clinical Sciences & Community Health, Milan, Italy, ⁸Fondazione IRCCS

Ca' Granda, Endocrine Unit, Milan, Italy, ⁹UCL Institute of Child Health, Developmental Endocrinology Research Group, London, United Kingdom

Grote Zaal/Main Auditorium 18.00–18.45

Aldo Pinchera Lecture Prize

Chairpersons: *Theo Visser*, The Netherlands *Furio Pacini*, Italy

Graves' orbitopathy: imperfect treatments for a rare disease *Luigi Bartalena*, Italy

Grote Zaal/Main Auditorium 19.00–20.30



Bayer HealthCare-Sponsored Satellite Symposium

The Road Ahead in Differentiated Thyroid Cancer

Chair: Martin Schlumberger, France

19.00–19.20	Recent progress in our understanding of DTC and the RAI-refractory patient <i>Martin Schlumberger</i> , France
19.20–19.40	What we have learned from the biology and the signaling pathways of DTC – the rationale behind targeted therapies <i>Furio Pacini</i> , Italy
19.40–20.00	Recent progress in the treatment of RAI-refractory DTC <i>Marcia Brose</i> , USA
20.00–20.20	Learning from clinical experience and future direction with tyrosine kinase inhibitors Johannes Smit, The Netherlands
20.20–20.30	Faculty discussion and questions to the audience
	Dinner will be provided to attendees

Monday, 9th September 2013

Grote Zaal

08.00-10.00

Oral Session 3: Thyroid Cancer Clinical 1 (OP15–OP22)

Chairpersons: Rossella Elisei, Italy
Iris Wakelkamp, The Netherlands

08.00-08.17

OP15 THYROID LUNG METASTASES TREATED WITH PERCUTANEOUS THERMAL ABLATION: RESULTS FROM 25 PATIENTS AND 58 NODULES

Bonichon F¹, de Baere T², Godbert Y³, Leboulleux S⁴,
Deschamps F², Buy X⁵, Chougnet CN⁶, Do Cao C⁷, Toubeau M⁸,
Giraudet A-L⁹, Palussiere J⁵, Tuthyref network

¹Institut Bergonie, Nuclear Medicine, Bordeaux Cedex, France,
²Institut Gustave Roussy, Interventional Radiology, Villejuif,
France, ³Institut Bergonie, Nuclear Medicine, Bordeaux cedex,
France, ⁴Institut Gustave Roussy, Nuclear Medicine, Villejuif,
France, ⁵Institut Bergonie, Interventional Radiology, Bordeaux,
France, ⁶Institut Gustave Roussy, Nuclear Medicine and
Endocrine Cancer, Villejuif, France, ⁷Hôpital Claude Huriez,
CHRU, Service d'Endocrinologie et de Maladies Metaboliques,
Lille, France, ⁸Centre Georges-François Leclerc,
Nuclear Medicine, Dijon, France, ⁹Centre Leon Berard,
Nuclear Medicine, Lyon, France

OP16 (to be presented as a poster: Poster session PO12 Basic Cancer 2)

OP16 CLINICAL UTILITY OF ¹⁸F-FLUORODEOXYGLUCOSE PET/CT CONCURRENT WITH ¹³¹I THERAPY IN INTERMEDIATE-TO-HIGH RISK PATIENTS WITH DIFFERENTIATED THYROID CANCER: DUAL-CENTER EXPERIENCE WITH 286 PATIENTS

<u>Lee J-W</u>¹, Lee S-M², Lee D-H³, Kim Y-J⁴

¹Yonsei University College of Medicine, Department of Nuclear Medicine, Seoul, Republic of Korea, ²Soonchunhyang University Hospital, Department of Nuclear Medicine, Cheonan, Republic of Korea, ³Wonkwang University School of Medicine and Hospital, Department of Internal Medicine, Iksan, Republic of Korea, ⁴Soonchunhyang University Hospital, Department of Internal Medicine, Cheonan, Republic of Korea

08.17-08.34

OP17 STRATIFIED GENETIC ANALYSIS ENHANCES THE DETECTION OF MALIGNANT LESIONS IN THYROID NODULES

Zatelli MC^{1,2}, Filieri C¹, Rossi M¹, Buratto M¹, Tagliati F¹, Trasforini G¹, Lanza G³, Rossi R¹, degli Uberti EC^{1,2}

¹University of Ferrara, Section of Endocrinology, Dept. of Medical Sciences, Ferrara, Italy, ²Laboratorio in rete del Tecnopolo 'Tecnologie delle terapie avanzate' (LTTA) of the University of Ferrara, Ferrara, Italy, ³University of Ferrara, Section of Sezione di Pathology and Bio-molecular Diagnostics, Dept. of Biomedical Sciences and Advanced Therapies, Ferrara, Italy

08.34-08.51

OP18 AUTOIMMUNE THYROIDITIS IS NOT ASSOCIATED WITH INCREASED RISK OF THYROID CANCER IN A CYTOLOGICAL SERIES OF THYROID NODULES

<u>Belardini V</u>¹, Castagna MG¹, Memmo S¹, Maino F¹, D'Angeli F¹, Evangelista IA¹, Pacini F¹

¹Section of Endocrinology, University of Siena, Siena, Italy

08.51-09.08

OP19 RET TRANSLOCATIONS IN PAPILLARY THYROID CARCINOMA DETECTED BY A BREAK-APART INTERPHASE FLUORESCENCE IN SITU HYBRIDIZATION ASSAY

Pedron S¹, Colato C¹, Brazzarola P², Chilosi M¹, Ferdeghini M¹

¹University of Verona, Pathology and Diagnostics, Verona, Italy,

²University of Verona, Surgery and Oncology, Verona, Italy

09.08-09.25

OP20 MODIFIED DYNAMIC RISK STRATIFICATION FOR PREDICTING RECURRENCE USING THE RESPONSE TO INITIAL THERAPY IN PATIENTS WITH DIFFERENTIATED THYROID CARCINOMA

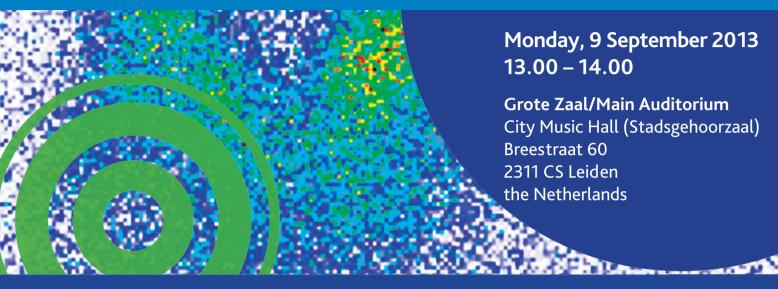
Jeon MJ¹, Kim WG¹, Park WR¹, Han JM¹, Kim TY¹, Chung K-W², Song DE³, Ryu J-S⁴, Hong SJ², Shong YK¹, Kim WB¹

¹Asan Medical Center, University of Ulsan College of Medicine, Internal Medicine, Seoul, Republic of Korea, ²Asan Medical Center, University of Ulsan College of Medicine, Surgery, Seoul, Republic of Korea, ³Asan Medical Center, University of Ulsan College of Medicine, Pathology, Seoul, Republic of Korea, ⁴Asan Medical Center, University of Ulsan College of Medicine, Nuclear Medicine, Seoul, Republic of Korea



A Satellite Symposium Held in Conjunction With the 37th Annual Meeting of the European Thyroid Association

HOW I TREAT ADVANCED DIFFERENTIATED **THYROID CANCER IN 2013**



FACULTY

Rossella Elisei, MD (Chair) University of Pisa Pisa, Italy

Barbara Jarzab, MD

Gliwice, Poland

Furio Pacini, MD

MSC Memorial Cancer Center Azienda Ospedaliera Universitaria Senese Siena, Italy

AGENDA

Welcome and introduction

Rossella Elisei, MD

- 13.00 How I treat newly-diagnosed advanced differentiated thyroid cancer (DTC) Furio Pacini, MD
- 13.15 Challenge the expert
- 13.20 How I treat radioactive iodine (RAI)refractory DTC Rossella Elisei, MD
- 13.35 Challenge the expert
- 13.40 How I manage adverse events associated with targeted therapy Barbara Jarzab, MD
- 13.55 Challenge the expert
- 14.00 Concluding remarks Rossella Elisei, MD

TARGET AUDIENCE

This educational activity is specifically designed for endocrinologists, oncologists, and other healthcare professionals interested and/or involved in the treatment of patients with advanced differentiated thyroid cancer.

EDUCATIONAL OBJECTIVES

After successful completion of this educational activity, participants should be able to:

- Describe the prognosis and current management of advanced DTC
- Identify the role of multidisciplinary treatment approach in the management of DTC
- Define RAI-refractory DTC and evaluate treatment strategies, including recent advances
- Discuss importance of patient selection for treatment with tyrosine kinase inhibitors
- · Evaluate importance of early recognition and management of adverse events



Support for this educational activity is provided by Eisai Inc.

Register Online: www.prIMEoncology.org/leiden2013

09.25-09.42

OP21 HIGH-RISK PATIENTS WITH DIFFERENTIATED THYROID CANCER T4 PRIMARY TUMORS ACHIEVE REMNANT ABLATION EQUALLY WELL USING RECOMBINANT HUMAN TSH OR THYROID HORMONE WITHDRAWAL

Bartenstein P¹, Caballero Calabuig E², Maini CL³, Mazzarotto R⁴, Muros de Fuentes MA⁵, Petrich T⁶, Rodrigues FJC⁷, Vallejo Casas JA⁸, Vianello F⁹, Basso M⁹, Gomez Balaguer M², Haug A¹, Monari F⁴, Sanchez-Vano R², Sciuto R³, Magner J¹⁰

¹Klinikum der Universitaet Muenchen, Muenchen, Germany, ²Hospital Universitario Dr. Peset Valencia, Valencia, Spain, ³Istituto Nazionale Tumori Regina Elena IRCCS, Roma, Italy, ⁴Policlinico S. Orsola Malphighi, Bologna, Italy, ⁵Hospital Universitario Virgen de las Nieves, Granada, Spain, ⁶Medizinische Hochschule Hannover, Hannover, Germany, ⁷Instituto Portugues de Oncologia de Coimbra Francisco Gentil, Coimbra, Portugal, ⁸Hospital Universitario Reina Sofia de Cordoba, Andalucia, Spain, ⁹Istituto Oncologico Veneto-IRCCS, Padova, Italy, ¹⁰Genzyme, a Sanofi Company, Cambridge, United States

09.42-10.00

OP22 IMPACT OF CONCURRENT CHRONIC LYMPHOCYTIC THYROIDITIS (CTL) ON PAPILLARY THYROID CANCER (PTC) OUTCOME: THE POTENTIAL KEY ROLE OF FOXP3+ T LYMPHOCYTES

<u>Pilli T</u>¹, Toti P², Castagna MG¹, Occhini R², Caselli M¹, Barbagli L², Memmo S¹, Maino F¹, Pacini F¹

¹University of Siena, Section of Endocrinology, Department of Medical, Surgical and Neurological Sciences, Siena, Italy, ²University of Siena, Section of Anatomy&Pathology, Department of Anatomy & Pathology and Medical Biotechnology, Siena, Italy

Aalmarkt Zaal

08.00-10.00

Oral Session 4:

Thyroid Hormone Action (OP23-OP30)

Chairpersons: *Jens Mittag*, Sweden *Edward Visser*, The Netherlands

08.00-08.15

OP23 **EFFECT OF 3,5-DIIODO-L-THYRONINE ON HIGH-FAT DIET-INDUCED VISCERAL ADIPOSITY IN THE RAT**

Senese R^1 , <u>de Lange P^1 </u>, Leanza C^1 , Ziello A^1 , Lasala P^1 , De Matteis R^2 , Lattanzi D^3 , Lanni A^1

¹Dipartimento di Scienze e Tecnologie Ambientali, Biologiche e Farmaceutiche, Seconda Università degli Studi di Napoli, Caserta, Italy, ²Dip. Scienze Biomolecolari-Sezione di Scienze

Motorie e della Salute, Università di Urbino 'Carlo Bo', Urbino, Italy, ³Dip. Scienze della Terra, della Vita e dell'Ambiente, Università di Urbino 'Carlo Bo', Urbino, Italy

08.15-08.30

OP24 METABOLIC EFFECTS OF 3,5-DIIODO-L-THYRONINE: FOCUS ON BROWN ADIPOSE TISSUE

<u>Lombardi A</u>¹, De Matteis R², Busiello RA³, Cioffi F³, Senese R⁴, Goglia F⁵

¹Università di Napoli Federico II, Biological Science, Napoli, Italy, ²Università degli Studi di Milano di Urbino, Dipartimento di Scienze Biomolecolari, Sezione di Scienze Motorie e della Salute, Urbino, Italy, ³Università degli Studi del Sannio, Dipartimento di Scienze per la Biologia, la Geologia e L'Ambiente, Benevento, Italy, ⁴Seconda Università di Napoli, Napoli, Italy, ⁵Università degli Studi del Sannio, Benevento, Italy

08.30-08.45

OP25 BLOCKING T₃ SIGNALLING ENHANCES AXON REGENERATION AND OPTIC TECTUM REINNERVATION FOLLOWING OPTIC NERVE INJURY

Bhumika S¹, Moons L², Darras V¹

¹KU Leuven, Laboratory of Comparative Endocrinology, Leuven, Belgium, ²KU Leuven, Laboratory of Neural Circuit Development and Regeneration, Leuven, Belgium

08.45-09.00

OP26 PRO-LEARNING AND ANTI-AMNESTIC EFFECTS OF 3-IODOTHYRONAMINE AND 3-IODOTHYROACETIC ACID IN MOUSE

<u>Musilli C</u>¹, Manni ME¹, De Siena G¹, Logli A¹, Saba A², Landucci E¹, Zucchi R², Raimondi L¹

¹University of Florence, Firenze, Italy, ²University of Pisa, Pisa, Italy

09.00-09.15

OP27 EVIDENCE FOR A ROLE OF UNLIGANDED THYROID HORMONE RECEPTORS ON CEREBROCORTICAL NEURONS IN PRIMARY CULTURE

Gil-Ibañez P¹, Morte B¹, Bernal J¹

¹Instituto de Investigaciones Biomédicas (CSIC-UAM) CIBERER, Madrid, Spain

09.15-09.30

OP28 EFFECTS OF 3,5-DIIODO-L-THYRONINE ON SKELETAL MUSCLE METABOLISM: INTERRELATION BETWEEN INSULIN SENSITIVITY AND MITOCHONDRIAL PHENOTYPE

Cioffi F^1 , Glinni D^1 , Coppola M^1 , Silvestri E^1 , Moreno M^1 , Goglia F^1 University of Sannio, Dept. of Sciences and Technologies, Benevento, Italy

09.30-09.45

OP29 WEIGHT LOSS WITH PRESERVED GLUCOSE HOMEOSTASIS DURING CHRONIC TREATMENT OF OBESE MICE WITH 3-IODOTHYRONAMINE (T1AM): ROLE OF THE SIRTUIN FAMILY

<u>Chiellini G</u>^{1,2}, Assadi-Porter FM², Reiland H², Carnicelli V¹, Butz D², Tonelli M², Selen ES², Lorenzini L¹, Ghelardoni S¹, Scanlan TS³, Zucchi R¹

¹University of Pisa, Pisa, Italy, ²University of Wisconsin, Madison, United States, ³Oregon Health and Science University, Portland, United States

09.45-10.00

OP30 N-ACETYLATION OF 3-IODOTHYRONAMINE REVERSES ITS EFFECTS ON THERMOREGULATION AND CARDIOVASCULAR FUNCTION

<u>Hoefig CS</u>¹, Warner A¹, Vennström B¹, Scanlan TS², Mittag J¹

¹Karolinska Institutet, Department of Cell & Molecular Biology, Stockholm, Sweden, ²Oregon Health and Science University, Department of Physiology and Pharmacology, Portland, United States

10.00-10.30 **Coffee break**

Aalmarkt Zaal

10.30-12.00

Symposium 3 (Basic): Thyroid Hormone and Stemness

Chairpersons: Clara Alvarez, Spain

Robin Peeters, The Netherlands

Intestinal stem cells
Michelina Plateroti, France
Neuronal stem cells
Barbara Demeneix, France
Skin stem cells
<i>Ana Aranda,</i> Spain

Grote Zaal/Main Auditorium

10.30-12.00

Symposium 4 (Clinical): Thyroid Investigations in at Risk Populations

Chairpersons: Simon Pearce, UK

Noortje van der Kleij-Corssmit, The Netherlands

10.30-11.00	Autoimmune diseases
	Wilmar Wiersinga, The Netherlands
11.00-11.30	Nodular disease and differentiated thyroid
	carcinoma
	Ralf Paschke, Germany
11.30-12.00	Cardiovascular disease
	Salman Razvi, UK

Poster Area

12.00-13.00

Lunch and Poster Discussion 2 (Posters 95–183)

(see pages 48 to 56)

Poster Session 11: Thyroid Autoimmunity Clinical

Chairperson: Stefano Mariotti, Italy

Poster Session 12: Thyroid Cancer Basic 2

Chairperson: Dagmar Führer, Germany

Poster Session 13: Thyroid Cancer Diagnostics 2
Chairperson: Ulla Feldt-Rasmussen, Denmark
Poster Session 14: Thyroid Nodules and Goitre 1

Chairperson: Laszlo Hegedüs, Denmark

Poster Session 15: Thyroid Cancer Therapeutics 2 Chairperson: *Alicja Hubalewska-Dydejczyk*, Poland

Poster Session 16: Case Reports 2 Chairperson: *Bojan Lozanov*, Bulgaria

Poster Session 17: Clinical Thyroidology 2

Chairperson: Joao de Castro, Portugal

Poster Session 18: Environmental Influences on Thyroid Function

Chairperson: Leonidas Duntas, Greece
Poster Session 19: Hyperthyroidism 2
Chairperson: Chantal Daumerie, Belgium
Poster Session 20: Hypothyroidism
Chairperson: Marek Niedziela, Poland

Grote Zaal/Main Auditorium 13.00–14.00



prIME Oncology Satellite Symposium supported by Eisai Inc.

How I Treat Advanced Differentiated Thyroid Cancer (DTC) in 2013

	Welcome and introduction Rossella Elisei, Italy
13.00	How I treat newly-diagnosed advanced DTC Furio Pacini, Italy
13.15	Challenge the expert
13.20	How I treat RAI-refractory DTC Rossella Elisei, Italy
13.35	Challenge the expert
13.40	How I manage adverse events associated with targeted therapy Barbara Jarzab, Poland
13.55	Challenge the expert
14.00	Concluding remarks oncology

Rossella Elisei, Italy

Grote Zaal/Main Auditorium 14.00–14.45



Merck Serono Prize Lecture

Chairpersons: *Theo Visser*, The Netherlands *Luigi Bartalena*, Italy

Building a thyroid gland from stem cells: a new era in endocrinology Sabine Costagliola, Belgium

14.45-15.00

Coffee break

Grote Zaal/Main Auditorium

15.00-17.00

Oral Session 5: Clinical Thyroidology 1 (OP31–OP38)

Chairpersons: George J. Kahaly, Germany Eric Fliers, The Netherlands

15.00-15.15

OP31 ASSOCIATION OF HYPER- AND HYPOTHYROIDISM WITH ALL CAUSE MORTALITY IN A POPULATION-BASED STUDY OF 260,790 DANES

<u>Laulund AS</u>¹, Nybo M², Brix TH¹, Abrahamsen B^{3,4}, Jørgensen HL⁵, Hegedüs L¹

¹University of Southern Denmark, Department of Endocrinology, Odense, Denmark, ²Odense University Hospital, Department of Clinical Biochemistry and Pharmacology, Odense, Denmark, ³University of Southern Denmark, Institute of Clinical Research, Odense, Denmark, ⁴Gentofte Hospital, Department of Medicine, Copenhagen, Denmark, ⁵Bispebjerg Hospital, Department of Clinical Biochemistry, Copenhagen, Denmark

15.15-15.30

OP32 PSYCHIATRIC MORBIDITY IS INCREASED BOTH BEFORE AND AFTER THE DIAGNOSIS OF HYPERTHYROIDISM: A NATIONWIDE REGISTER-BASED STUDY

<u>Brandt F</u> 1 , Thvilum M 1 , Almind D 2 , Christensen K 2 , Green A 3 , Hegedüs L 1 , Brix TH 1

¹Odense University Hospital, Department of Endocrinology and Metabolism, Odense C, Denmark, ²University of Southern Denmark, The Danish Aging Research Center and The Danish Twin Registry, Odense C, Denmark, ³University of Southern Denmark, Odense Patient Data Exploratory Network, Odense C, Denmark

15.30-15.45

OP33 HYPERTHYROIDISM INCREASES BROWN FAT METABOLISM IN HUMANS

<u>Schalin-Jäntti C</u>¹, Lahesmaa M², Orava J², Soinio M³, Hannukainen JC², Noponen T², Kirjavainen A², Virtanen KA², Nuutila P^{2,3}

¹University of Helsinki and Helsinki University Hospital, Division of Endocrinology, Department of Medicine, Helsinki, Finland, ²Turku PET Centre, Turku, Finland, ³Department of Medicine, University of Turku, Turku, Finland

15.45-16.00

OP34 STUDIES ON AGRANULOCYTOSIS: ANALYSES OF PHYSICIANS' REPORTS OF THE 754 CASES OF ANTITHYROID DRUG-INDUCED AGRANULOCYTOSIS DURING 30 YEARS IN JAPAN

<u>Nakamura H</u>¹, Miyauchi A¹, Miyawaki N², Imagaw J²

¹Kuma Hospital, Kobe, Japan, ²Chugai Pharmaceutical Co., Ltd, Tokyo, Japan

16.00-16.15

OP35 THYROID FUNCTION MONITORING AND TSH LEVELS IN PREGNANT INDIVIDUALS ON LEVOTHYROXINE FOR PRIMARY HYPOTHYROIDISM IN THE UK

<u>Taylor PN</u>¹, Minassian C^2 , Iqbal A^3 , Rehman A^4 , Thomas SL^2 , Okosieme O^1 , Lazarus J^1 , Dayan CM^1

¹Cardiff University, Institute of Molecular and Experimental Medicine, Cardiff, United Kingdom, ²London School of Hygiene and Tropical Medicine, Faculty of Epidemiology and Population Health, London, United Kingdom, ³University of Bristol, Henry Wellcome Laboratories for Integrative Neurosciences and Endocrinology, Bristol, United Kingdom, ⁴Akron General Medical Center, Department of Internal Medicine, Akron, Ohio, United States

16.15-16.30

OP36 THE TEMPORAL ASSOCIATION BETWEEN HYPOTHYROIDISM AND PSYCHIATRIC MORBIDITY. A NATIONWIDE REGISTER-BASED STUDY

<u>Thvilum M^1 </u>, Brandt F^1 , Almind D^2 , Christensen K^2 , Brix TH^1 , Heaedüs L^1

¹Odense University Hospital, Department of Endocrinology, Odense C, Denmark, ²University of Southern Denmark, Danish Twin Registry, Odense C, Denmark

16.30-16.45

OP37 METFORMIN INHIBITS GOITROGENOUS EFFECTS OF TYPE 2 DIABETES

<u>Ittermann T</u>¹, Markus MR¹, Schipf S¹, Derwahl M², Meisinger C³, Völzke H¹

¹University Medicine Greifswald, Greifswald, Germany, ²St. Hedwig Hospital, Berlin, Germany, ³German Research Center for Environmental Health, München, Germany

16.45.17.00

OP38 RADIOFREQUENCY ABLATION USING MOVING SHOT TECHNIQUE IS A REPRODUCIBLE, EFFECTIVE TECHNIQUE FOR TREATING BENIGN THYROID NODULES. PRELIMINARY RESULTS OF AN INTERNATIONAL RANDOMIZED CONTROLLED TRIAL

<u>Deandrea M</u>¹, Kee Shong ,Y², Sung JY³, Kim KS³, Mormile A¹, Gamarra E¹, Garino F¹, Ragazzoni F¹, Garberoglio R⁴, Limone PP¹, Baek JH⁵

¹Mauriziano Hospital 'Umberto I' of Turin, Department of Endocrinology and Metabolism, Turin, Italy, ²University of Ulsan College of Medicine, Asan Medical Center, Department of Endocrinology and Metabolism, Seoul, Republic of Korea, ³Daerim St. Mary's Hospital, Department of Radiology, Thyroid Center, Seoul, Republic of Korea, ⁴Mauriziano Hospital 'Umberto I' of Turin, Mauriziano Scientific Foundation, Turin, Italy, ⁵University of Ulsan College of Medicine, Asan Medical Center, Department of Radiology and Research Institute of Radiology, Seoul, Republic of Korea

Aalmarkt Zaal

15.00-17.00

Oral Session 6: Thyroid Basic/Translational (OP39–OP46)

Chairpersons: Georg Brabant, Germany
Sabine Costagliola, Belgium

15.00-15.15

OP39 SMALL MOLECULE SCREENING IDENTIFIES SIGNALLING PATHWAYS REGULATING THYROID MORPHOGENESIS IN ZEBRAFISH EMBRYOS

<u>Opitz R</u>¹, Vandernoot I¹, Haerlingen B¹, Trubiroha A¹, Costagliola S¹ ¹IRIBHM, Université Libre de Bruxelles, Brussels, Belgium

15.15-15.30

OP40 IDENTIFICATION OF NIS AND DUOX2 AS DIRECT FOXE1 TARGET GENES IN THYROID CELLS

Fernández LP¹, López-Márquez A¹, Martínez AM^{1,2}, Gómez-López G², Santisteban P¹

¹Instituto de Investigaciones Biomédicas (CSIC-UAM), Madrid, Spain, ²Centro Nacional de Investigaciones Oncológicas (CNIO), Madrid, Spain

15.30-15.45

OP41 NOVEL CARBOXY-TERMINAL MUTATIONS IN DEHAL1 AND IODOTYROSINE DEIODINASE DEFICIENCY

<u>Iglesias A</u>¹, García L², Wemeau JL³, Vincens M⁴, Leger A⁵, Brunet E⁶, Joubert M⁷, Torrabías M⁸, Corripio R⁹, Visser TJ¹⁰, Cocho J², Moreno JC¹

¹La Paz University Hospital, Institute for Medical and Molecular Genetics (INGEMM), Madrid, Spain, ²University Hospital, Metabolopathies Laboratory, Santiago de Compostela, Spain, ³Claude-Huriez Hospital, Endocrinology Service, Lille, France, ⁴Cochin Hospital, Endocrinology Service, Paris, France, ⁵La Pitié Hospital, Nuclear Medicine Service, Paris, France, ⁶Autonomous University of Madrid, Faculty of Sciences, Madrid, Spain, ⁷Caen Hospital, Diabetes-Endocrinology Service, Caen, France, ⁸Vic Hospital, Endocrinology Service, Barcelona, Spain, ⁹Parc Taulí Hospital of Sabadell, Sabadell, Spain, ¹⁰Erasmus Medical Center, Rotterdam, Netherlands

15.45-16.00

OP42 FEEDBACK REGULATION OF T3 SIGNALING PATHWAY THROUGH MICRORNAS

<u>Boguslawska J</u>¹, Piekielko-Witkowska A¹, Kedzierska H¹, Poplawski P¹, Nauman A¹

¹The Centre of Postgraduate Medical Education, Department of Biochemistry and Molecular Biology, Warsaw, Poland

16.00-16.15

OP43 FUNCTIONAL REGENERATION OF RECURRENT LARYNGEAL NERVE INJURY AFTER THYROIDECTOMY USING AN ASYMMETRICALLY POROUS NERVE GUIDE CONDUIT

Lim J-Y¹, Choi J-S¹, Lee JH², Kim Y-M¹

¹Inha University School of Medicine, Department of Otorhinolaryngology-Head and Neck Surgery, Incheon, Republic of Korea, ²Hannam University, Department of Advanced Materials, Daejeon, Republic of Korea

16.15-16.30

OP44 MODULATION OF MCT8 MRNA IN THE THYROID DURING THE WOLFF-CHAIKOFF EFFECT: NEGATIVE REGULATION BY TSH

<u>Lima de Souza EC</u>¹, Cadoso Penha RC¹, Fortunato RS¹, Vaisman M², Freitas Ferreira AC¹, Carvalho DP¹

¹Federal University of Rio de Janeiro, Institute of Biophysics Carlos Chagas Filho, Rio de Janeiro, Brazil, ²Universitary Hospital Clementino Fraga Filho, Department of Endocrinology, Rio de Janeiro, Brazil

16.30-16.45

OP45 CORRELATION OF THE EXPRESSION AND LOCALIZATION OF THYROID HORMONE TRANSPORTERS WITH THYROGLOBULIN-PROCESSING CATHEPSINS IN MOUSE THYROID EPITHELIAL CELLS

Mc Innes J¹, Weber J¹, Rehders M¹, Saftig P², Peters C³, Reinheckel T³, Schweizer U⁴, Heuer H⁵, Wirth EK⁶, <u>Brix K</u>¹ Jacobs University Bremen, School of Engineering and Science, Bremen, Germany, ²Christian-Albrechts Universität zu Kiel, Institute of Biochemistry, Kiel, Germany, ³Albert-Ludwigs-Universität Freiburg, Institut für Molekulare

Medizin und Zellforschung, Freiburg, Germany, ⁴Rheinische Friedrich-Wilhelms-Universität Bonn, Institut für Biochemie und Molekularbiologie, Bonn, Germany, ⁵Leibniz Institute for Age Research / Fritz Lipmann Institute (FLI), Jena, Germany, ⁶Charité – Universitätsmedizin Berlin, Institut für Experimentelle Endokrinologie, Berlin, Germany

16.45-17.00

OP46 TRAIL INCREASES SIGNIFICANTLY IN HYPERTHYROID PATIENTS

<u>Bernardi S</u>¹, Bossi F², Furlanis G², Bramante A², Secchiero P³, Zauli G⁴, Carretta R², Fabris B²

¹Ospedale di Cattinara, Medicina Clinica, Trieste, Italy, ²University of Trieste, Dipartimento di Scienze Mediche Chirurgiche e della Salute, Trieste, Italy, ³University of Ferrara, Dipartimento di Morfologia ed Embriologia, Trieste, Italy, ⁴IRCCS Burlo Garofolo, Trieste, Italy 17.00-17.45

Meet the Expert 5-8

Waalse Kerk

17.00–17.45 **MTE 5 (Basic)**

Central regulation of peripheral thyroid

hormone action

Eric Fliers, The Netherlands

Kleine Foyer

17.00–17.45 MTE 6 (Basic)

Thyroid hormone transporters

Heike Heuer, Germany

Aalmarkt Zaal

17.00-17.45 N

MTE 7 (Clinical)

ETA guidelines for cervical ultrasound scan and ultrasound – guided techniques in the postoperative management of patients

with thyroid cancer Laurence Leenhardt, France

Grote Zaal/Main Auditorium

17.00–17.45 **MTE 8 (Translational)**

Selenium and thyroid function Lutz Schomburg, Germany

18.00 Departure for Excursion (Boat trip and Scheltema Complex)



Photo: Courtesy of Scheltema Leiden

Tuesday, 10th September 2013

Grote Zaal/Main Auditorium

08.00-10.00

Oral Session 7: Thyroid Autoimmunity (OP47–OP54)

Chairpersons: *Tomasz Bednarczuk*, Poland *Hemmo Drexhage*, The Netherlands

08.00-08.15

OP47 A GENOME WIDE META-ANALYSIS IN 27,300 SUBJECTS IDENTIFIES NOVEL LOCI ASSOCIATED WITH THYROID PEROXIDASE ANTIBODIES AND CLINICAL THYROID DISEASE

Medici M¹, Porcu E², Pistis G³, Teumer A⁴, Brown S⁵, Jensen R⁶, Rawal R⁷, Roef G⁸, Vermeulen S⁹, Lahti J¹⁰, Simmonds M¹¹, Husemoen LL¹², Freathy R¹³, Shields B¹⁴, Pietzner D¹⁵, Taes Y⁸, Psaty B¹⁶, Hofman A¹, Wallaschofski H⁴, Gough S¹¹, Meyer zu Schwabedissen H¹⁷, Frayling T¹⁸, Kaufman J-M⁸, Linneberg A¹², Räikkönen K¹⁰, Rivadeneira F¹, Uitterlinden A¹, Walsh J¹⁹, Meisinger C²⁰, den Heijer M²¹, Völzke H⁴, Wilson S²², Visser T¹, Cappola A²³, Sanna S², Toniolo D³, Naitza S², Peeters RP¹

¹Erasmus Medical Center, Rotterdam, Netherlands, ²Instituto di Ricerca Genetica e Biomedica (IRGB), Consiglio Nazionale delle Ricerche, c/o Cittadella Universitaria di Monserrato, Monserrato, Italy, ³Division of Genetics and Cell Biology, San Raffaele Scientific Institute, Milan, Italy, ⁴University Medicine Greifswald, Greifswald, Germany, ⁵Department of Endocrinology and Diabetes, Sir Charles Gairdner Hospital, Nedlands, Western Australia, Australia, ⁶Cardiovascular Health Research Unit, Department of Medicine, University of Washington, Seattle, United States, ⁷Institute for Genetic Epidemiology, Helmholtz Zentrum Munich, Munich/Neuherberg, Germany, ⁸Ghent University Hospital, Ghent, Belgium, ⁹Department of Epidemiology, Biostatistics & HTA, Radboud University Nijmegen Medical Centre, Nijmegen, Netherlands, ¹⁰Institute of Behavioural Sciences, University of Helsinki, Helsinki, Finland, ¹¹Oxford Centre for Diabetes, Endocrinology and Metabolism, University of Oxford, Churchill Hospital, Headington, Oxford, United Kingdom, ¹²Research Centre for Prevention and Health, Glostrup University Hospital, the Capital Region of Denmark, Glostrup, Denmark, ¹³Genetics of Complex Traits, Peninsula College of Medicine and Dentistry, University of Exeter, Exeter, United Kingdom, 14Peninsula NIHR Clinical Research Facility, Peninsula College of Medicine and Dentistry, University of Exeter, Exeter, United Kingdom, ¹⁵Institute of Medical Epidemiology, Biostatistics, and Informatics, Martin-Luther-University, Halle-Wittenberg, Germany, ¹⁶University of Washington, Seattle, United States, ¹⁷Department of General

Pharmacology, University Medicine Greifswald, Greifswald, Germany, ¹⁸University of Exeter, Exeter, United Kingdom, ¹⁹Sir Charles Gairdner Hospital, Nedlands, Western Australia, Australia, ²⁰Institute of Epidemiology II, Helmholtz Zentrum Munich, Munich, Germany, ²¹Department of Internal Medicine, VU Medical Center, Amsterdam, Netherlands, ²²Department of Twin Research and Genetic Epidemiology, King's College London, London, United Kingdom, ²³Perelman School of Medicine at the University of Pennsylvania, Philadelphia, United States

08.15-08.30

OP48 CHANGES IN SERUM ADHESION MOLECULES, CHEMOKINES, CYTOKINES AND TISSUE REMODELLING FACTORS IN EUTHYROID WOMEN WITHOUT THYROID ANTIBODIES WHO ARE AT RISK FOR AUTOIMMUNE THYROID DISEASE. A HYPOTHESIS ON THE EARLY PHASES OF THE ENDOCRINE AUTOIMMUNE REACTION

Effraimidis G^1 , Beumer W^2 , Drexhage RC^2 , Wiersinga WM^1 , Drexhage HA^2

¹Academical Medical Centre, University of Amsterdam, Endocrinology and Metabolism, Amsterdam, Netherlands, ²Erasmus Medical Center, Erasmus University, Department of Immunology, Rotterdam, Netherlands

08.30-08.45

OP49 CELIAC DISEASE IS HIGHLY PREVALENT IN PATIENTS WITH THYROID-ASSOCIATED ORBITOPATHY

<u>Kahaly GJ</u>¹, Schuppan D¹, Ponto K², Diana T¹, Matheis N¹

¹Gutenberg University Medical Center, Department of Medicine I, Mainz, Germany, ²Gutenberg University Medical Center, Department of Ophthalmology, Mainz, Germany

08.45-09.00

OP50 SELENIUM SUPPLEMENTATION IN PREGNANT WOMEN WITH CHRONIC AUTOIMMUNE THYROIDITIS: EFFECTS ON SELENIUM, SERUM CONCENTRATION AND AUTOIMMUNE PARAMETERS

<u>Duntas LH</u>¹, Boutsiadis A¹, Mantzou E¹

¹Endocrine Unit, Evgenidion Hospital, University of Athens, Athens, Greece

09.00-09.15

OP51 THYROID STIMULATING ANTIBODIES IN GRAVES' DISEASE ARISING FROM PATHOGEN-SPECIFIC PRECURSORS: THE CONNECTION WITH YERSINIA ENTEROCOLITICA

Hargreaves CE¹, Grasso M², Hampe CS³, Stenkova A⁴, Atkinson S², Joshua GW⁵, Wren B⁵, Buckle AM⁶, Dunn-Walters D⁷, Banga JP¹

¹King's College London School of Medicine, Diabetes and Endocrinology, London, United Kingdom, ²University of Nottingham, School of Molecular Medical Sciences, Nottingham, United Kingdom, ³University of Nottingham, Medicine, Seattle, United States, ⁴Pacific Institute of Bioorganic Chemistry, FEB RAS, Vladisvostok, Russian Federation, ⁵London School of Hygiene and Tropical Medicine, Pathogen Molecular Biology, London, United Kingdom, ⁶Monash University, Biochemistry and Molecular Biology, Clayton, Australia, ⁷King's College London School of Medicine, Immunobiology, London, United Kingdom

09.15-09.30

OP52 **DOWNREGULATION OF PPARY EXPRESSION BY TH1 CYTOKINES AND RELATIONSHIP WITH CAVEOLIN-1: A CLUE TO THE PATHOGENESIS OF HASHIMOTO'S THYROIDITIS**

Wérion A^1 , Van Regermorter V^1 , Marique L^1 , Craps J^1 , Joris V^1 , Senou M^1 , Brichard S^2 , Daumerie C^3 , Mourad M^4 , Lengelé B^1 , Gérard A- C^1 , Many M- C^1

¹UCL, MORF, Brussels, Belgium, ²UCL, ENDO, Brussels, Belgium, ³UCL, Endocrinology, Brussels, Belgium, ⁴UCL, Surgery, Brussels, Belgium

09.30-09.45

OP53 THYROID-STIMULATING AUTOANTIBODIES ARE PREVALENT IN PATIENTS WITH HASHIMOTO'S THYROIDITIS AND ASSOCIATED ORBITOPATHY – A PROSPECTIVE, CONTROLLED TRIAL

<u>Diana T</u>¹, Kanitz M¹, Cronau M¹, Matheis N¹, Kahaly GJ¹

Gutenberg University Medical Center, Molecular Thyroid Research Laboratory, Mainz, Germany

09.45-10.00

OP54 HLA CLASS II HAPLOTYPES AND GENOTYPES DIFFERENTIATE BETWEEN THYROID AND POLYGLANDULAR AUTOIMMUNITY

Flesch BK¹, Matheis N², Alt T³, Bux J¹, Kahaly GJ²
¹German Red Cross Blood Service West Hagen and
Bad Kreuznach, Laboratory of Immunogenetics/HLA,
Bad Kreuznach, Germany, ²Gutenberg University Medical
Center, Molecular Thyroid Research Laboratory, Mainz,
Germany, ³German Red Cross Blood Service West, Hagen and
Bad Kreuznach, Bioinformatics Unit, Bad Kreuznach, Germany

Aalmarkt Zaal

08.00-10.00

Oral Session 8:

Thyroid Cancer Clinical 2 (OP55-OP62)

Chairpersons: *Gabriella Pellegriti*, Italy *Pim Burger*, The Netherlands

08.00-08.15

OP55 PROPHYLACTIC CENTRAL COMPARTMENT LYMPH NODE DISSECTION (CCND) DOES NOT IMPROVE THE OUTCOME OF PAPILLARY THYROID CANCER (PTC) PATIENTS: RESULTS FROM THE FIRST PROSPECTIVE COHORT STUDY

<u>Valerio L</u>¹, Viola D¹, Materazzi G², Miccoli P², Basolo F³, Sensi E³, Faviana P³, Molinaro E¹, Agate L¹, Elisei R¹

¹Endocrine Unit, Department of Clinical and Experimental Medicine, University of Pisa, Pisa, Italy, ²Department of Surgery, University of Pisa, Pisa, Italy, ³Department of Surgical, Medical and Molecular Pathology of the Clinical Area, University of Pisa, Pisa, Italy

08.15-08.30

OP56 ARE PAPILLARY THYROID MICROCARCINOMA WITH MINIMAL EXTRA-THYROIDAL INVASION AT HIGH RISK OF RECURRENCE?

<u>Buffet C</u>^{1,2}, Chéraud N^{2,3}, Trésallet C^{2,3}, Lupinacci R^{2,3}, Godiris-Petit G^{2,3}, Tissier F^{4,5}, Leenhardt L^{1,2}, Ménégaux F^{2,3}

¹APHP- Pitié-Salpêtrière Hospital, Nuclear Medicine, Thyroid Department, Paris, France, ²Pierre et Marie Curie University (Paris VI), Paris, France, ³APHP- Pitié-Salpêtrière Hospital, Endocrine Surgery, Paris, France, ⁴APHP- Pitié-Salpêtrière Hospital, Pathology Department, Paris, France, ⁵Descartes University (Paris V), Paris, France

08.30-08.45

OP57 IMMUNOHISTOCHEMICAL ASSAY OF THE BRAF^{V600E}-MUTATED PROTEIN IN PAPILLARY THYROID CARCINOMA AND COMPARISON WITH SEQUENCING ANALYSIS

<u>Colato C</u>¹, Marchetti I^2 , Piccoli P^1 , Montagna L^1 , Di Coscio G^2 , Brazzarola P^3 , Chilosi M^1 , Ferdeghini M^1

¹University of Verona, Pathology and Diagnostics, Verona, Italy, ²University of Pisa, Surgical, Molecular, and Ultrastructural Pathology, Pisa, Italy, ³University of Verona, Surgery and Oncology, Verona, Italy

08.45-09.00

OP58 THE B-RAF^{V600E} MUTATION IS NOT ASSOCIATED WITH POORER CLINICAL PROGNOSIS IN PAPILLARY THYROID CANCER

<u>Scheffel RS</u>¹, Romitti M¹, Ceolin L¹, Antunes D¹, Pinto Ribeiro RV¹, Dora JM¹, Maia AL¹

¹Thyroid Section, Endocrine Division, Hospital de Clínicas de Porto Alegre, Universidade Federal do Rio Grande do Sul, Porto Alegre, Brazil



Personalized Approach in the Management of Well-Differentiated Thyroid Cancer

TUESDAY, 10th September

Leiden, The Netherlands

13.00-14.00 Genzyme Symposium City Music Hall, Grote Zaal/Main Auditorium

program & speakers

Chair: Prof. Jan Smit

Radboud University Nijmegen Medical Center, The Netherlands

How to manage FNA indeterminate results

Speaker: Prof. Erik Alexander,

Brigham & Women's Hospital/Harvard Medical School, Boston, USA

Ablation with low dose radioiodine

Speaker: Dr. Steve Hyer,

Epsom & St Helier University Hospitals NHS Trust, London, UK

Risk re-stratification - role of stimulated Tg test

Speaker: Prof. Rossella Elisei,

Dept. Endocrinology and Metabolism, University of Pisa, Italy



MONDAY, 9th September

Time: 7.00 hrs

Place: Leiden, City Center

Starting point: Stadsgehoorzaal/City Music Hall,

back entrance

Route: To Be Confirmed

Distance: 3 Km Registration:

online: ETA congress site

on site: Genzyme Booth No.7, Breezaal Hall



09.00-09.15

OP59 HER-2 EXPRESSION IN DIFFERENTIATED THYROID CARCINOMA (DTC): AN IMMUNOHISTOCHEMICAL CHARACTERIZATION IN VIEW OF TARGETED THERAPIES

<u>Giovinazzo S</u>¹, Campennì A², Simone A³, Benvenga S¹, Tuccari G³, Trimarchi F¹, Ruggeri RM¹

¹University of Messina, Dep of Clinical and Experimental Medicine, Messina, Italy, ²University of Messina, Unit of Nuclear Medicine, Messina, Italy, ³University of Messina, Department of Pathology, Messina, Italy

09.15-09.30

OP60 INCIDENTAL THYROID CANCER: EPIDEMIOLOGICAL, CLINICAL AND MOLECULAR ANALYSES IN A LARGE SERIES OF PATIENTS TREATED FOR BENIGN DISEASES

De Leo S¹, Perrino M¹, Badiali S², Rossi S³, Cirello V¹, Colombo C¹, Beck-Peccoz P¹, Vicentini L², Fugazzola L¹

¹University of Milan, Milan, Italy, ²Fondazione IRCCS
Ca' Granda, Endocrine Surgery Unit, Milan, Italy, ³Unit of Pathological Anatomy, San Paolo Hospital Medical School, Milan, Italy

09.30-09.45

OP61 IMMUNOHISTOCHEMICAL AND BIOCHEMICAL EVIDENCE THAT MEDULLARY THYROID CARCINOMA (MTC) CAN SECRETE CARBOHYDRATE ANTIGEN 19.9 (CA 19.9)

<u>Lorusso L</u>¹, Romei C¹, Pani F², Guerini A³, Menghi A³, Poletti A³, Torregrossa L⁴, Agate L¹, Bottici V¹, Molinaro E¹, Vitti P¹, Elisei R¹

¹Endocrine Unit, Department of Clinical and Experimental Medicine, University of Pisa, Pisa, Italy, ²University Hospital of Cagliari, Cagliari, Italy, ³Department of Laboratory Medicine, Anatomy and Histopathology, Bassano Del Grappa, Italy, ⁴Department of Surgical, Medical and Molecular Pathology of the Clinical Area, University of Pisa, Pisa, Italy

09.45-10.00

OP62 ATYPIA OF UNDETERMINED SIGNIFICANCE AT CYTOLOGY: PREDICTION OF MALIGNANCY BY US AND COMPARISON OF FURTHER MANAGEMENT

Lee KH^1 , Shin JH^2 , Han $B-K^2$, Ko EY^2

¹Inje University Haeundae Paik Hospital, Radiology, Busan, Korea, Republic of, ²Samsung Medical Center, Sungkyunkwan University School of Medicine, Radiology, Seoul, Republic of Korea

10.00-10.30 **Coffee break**

Grote Zaal/Main Auditorium

10.30-12.00

Symposium 5 (Translational): Obesity and the Thyroid

Chairpersons: Colin Dayan, UK

Marco Medici. The Netherlands

CRV	rai co medici, ine recinenaras
10.30-11.00	Adipocytes and the thyroid
	Marian Ludgate, UK
11.00-11.30	Thyroid function and body composition
	Peter Laurberg, Denmark
11.30–12.00	Effects of obesity and metformin treatment <i>Luca Chiovato</i> , Italy

Aalmarkt Zaal

10.30-12.00

Symposium 6 (Translational): Molecular Aspects of Thyroid Cancer

Chairpersons: Agnieszka Piekielko-Witkowska, Poland Jan Smit, The Netherlands

10.30-11.00	miRNA in thyroid cancer
	Alfredo Fusco, Italy
11.00-11.30	BRAF mutations in thyroid cancer
	Carmelo Nucera, USA
11.30-12.00	Gene expression profiles of thyroid cancer
	Barbara Jarzab, Poland

Poster Area

12.00-13.00

Lunch and Poster Discussion 3 (Posters 184–275) (see pages 57 to 65)

Poster Session 21: Thyroid Cancer Diagnostics 3 Chairperson: *Kalliopi Pazaitou-Panayiotou,* Greece Poster Session 22: Thyroid Cancer Diagnostics 4

Chairperson: Valeriano Leite, Portugal

Poster Session 23: Thyroid Cancer Therapeutics 3 Chairperson: *Françoise Borson-Chazot,* France

Poster Session 24: Thyroid Cancer Therapeutics 4

Chairperson: Lionel Groussin, France Poster Session 25: Case Reports 3 Chairperson: Valentin Fadeyev, Russia Poster Session 26: Imaging

Chairperson: Markus Luster, Germany

Poster Session 27: Thyroid Hormone Metabolism and Action

Chairperson: Maria Jesus Obregòn, Spain
Poster Session 28: Medullary Thyroid Cancer

Chairperson: Laura Fugazzola, Italy

Poster Session 29: Thyroid Nodules and Goitre 2

Chairperson: Ralf Paschke, Germany

Poster Session 30: Thyroid in Reproduction and

Development

Chairperson: Peter Bisschop, The Netherlands

Grote Zaal/Main Auditorium 13.00–14.00

GENZYMEA SANOFI COMPANY

Genzyme Symposium

Personalized Approach in the Management of Well-Differentiated Thyroid Cancer

13.00–13.05	Welcome and Introduction Jan Smit, The Netherlands
13.05–13.20	How to manage FNA indeterminate results Erik Alexander, USA
13.20–13.35	Ablation with low dose radioiodine <i>Steve Hyer,</i> UK
13.35–13.50	Risk re-stratification – the role of stimulated Tg test Rossella Elisei, Italy
13.50–14.00	Final discussion and symposium close Jan Smit, The Netherlands

14.00-14.45 Meet the Expert 9-12

Meet the Expert 9–12		
Waalse Kerk 14.00–14.45	MTE 9 (Basic) Thyroid hormone action in muscle differentiation Domenico Salvatore, Italy	
Kleine Foyer 14.00–14.45	MTE 10 (Clinical) Lessons from the pathology report in differentiated thyroid carcinoma Sofia Tseleni-Balafouta, Greece	
Aalmarkt Zaal 14.00–14.45	MTE 11 (Clinical) ETA guidelines on genetic screening of medullary thyroid carcinoma Rossella Elisei, Italy	
Grote Zaal/Main 14.00–14.45	Auditorium MTE 12 (Clinical) Can we prevent Graves' orbitopathy? Petros Perros, UK	

14.45–15.00 **Coffee break**

Grote Zaal/Main Auditorium

15.00-17.00

Oral Session 9: Clinical Thyroidology 2 (OP63-OP70)

Chairpersons: Laurence Leenhardt, France
Georg Hennemann, The Netherlands

15.00-15.15

OP63 THE RELATIONSHIP BETWEEN TSH AND FREE T4 IN A LARGE POPULATION IS COMPLEX, NON-LINEAR AND DIFFERS BY AGE AND GENDER

 $Hadlow NC^{1,2}$, $Rothacker KM^3$, $Wardrop R^2$, $Brown SJ^3$, $Lim EM^{2,3}$, $Walsh JP^{3,4}$

¹Western Diagnostic Pathology, Myaree, Australia, ²PathWest Laboratory Medicine, Nedlands, Australia, ³Sir Charles Gairdner Hospital, Department of Endocrinology and Diabetes, Nedlands, Australia, ⁴University of Western Australia, School of Medicine and Pharmacology, Crawley, Australia

15.15-15.30

OP64 HOMOZYGOUS RESISTANCE TO THYROID HORMONE: CAN THE COMBINATION OF TRIAC AND CARBIMAZOLE PREVENT CARDIAC COMPLICATIONS?

Moran C¹, Habeb A², Kydd A³, Kahaly G⁴, Mohr-Kahaly S⁵, Kampmann C⁵, Lyons G¹, Rajanayagam O¹, Schoenmakers E¹, Halsall D⁶, Mollon J⁷, Baguley D⁸, Morsy M², Chatterjee VK¹

¹Institute of Metabolic Science, Cambridge, United Kingdom, ²Maternity & Childrens Hospital & Taibah University, Paediatric Department, Al-Madinah, Saudi Arabia, ³Addenbrookes Hospital, Cardiology Dept, Cambridge, United Kingdom, ⁴Johannes Gutenberg University Medical Center, Department of Medicine, Mainz, Germany, ⁵Johannes Gutenberg University Medical Center, Department of Cardiology, Mainz, Germany, ⁶Addenbrookes Hospital, Department of Biochemistry, Cambridge, United Kingdom, ⁷University of Cambridge, Department of Experimental Psychology, Cambridge, United Kingdom, ⁸Addenbrookes Hospital, Department of Audiology, Cambridge, United Kingdom

15.30-15.45

OP65 COGNITIVE FUNCTIONS IN PRIMARY HYPOTHYROIDISM AFTER LONG-TERM SUBSTITUTION

<u>Djurovic MM¹</u>, Pereira AM², Pavlovic D³, Salak B⁴, Jemuovic ZH¹, Jankovic D¹, Petakov M¹, Djukic V⁵, Damjanovic S¹ ¹Institute of Endocrinology, Diabetes and Diseases of Metabolism, Clinical Centre of Serbia, Belgrade, Serbia, ²Department of Endocrinology and Metabolic Diseases Leiden University Medical Center, Leiden, Netherlands, ³Faculty of Philosophy, University of Belgrade, Belgrade, Serbia, ⁴Institute of Neurology, Clinical Centre of Serbia, Belgrade, Serbia, ⁵Emergency Center, Clinical Centre of Serbia, Belgrade, Serbia 15.45-16.00

OP66 EVALUATING THE PREVALENCE OF THYROTROPIN RECEPTOR (TSHR) INACTIVATING MUTATIONS IN ADULTS WITH SUBCLINICAL HYPOTHYROIDISM (SH); IMPACT ON BONE DENSITY

<u>de Lloyd AC</u>¹, Bakhsh A¹, Zhang L¹, Evans C², Dodd A², Durrant H², Neale S², Mitchem K², Whatley S², Rees DA¹, Ludgate M¹

¹IMEM, Cardiff University School of Medicine, University Hospital of Wales, Cardiff, United Kingdom, ²Department of Medical Biochemistry, Cardiff & Vale University Health Board, Cardiff, United Kingdom

16.00-16.15

OP67 TPO ANTIBODIES ARE ASSOCIATED WITH A LOWER LIVE BIRTH RATE IN WOMEN WITH RECURRENT MISCARRIAGE

<u>Vissenberg</u> R^1 , Fliers E^2 , van der Post JAM³, van Wely M^1 , Bisschop PH^2 , Goddijn M^1

¹Academic Medical Centre, Centre for Reproductive Medicine, Amsterdam, Netherlands, ²Academic Medical Centre, Endocrinology and Metabolism, Amsterdam, Netherlands, ³Academic Medical Centre, Obstetrics and Gynaecology, Amsterdam, Netherlands

16.15-16.30

OP68 90% OF PREGNANT WOMEN WILL BE MISCLASSIFIED BY THE USE OF PREDETERMINED FREE T4 REFERENCE RANGES FROM DIFFERENT LABORATORIES

<u>Bliddal S</u>¹, Feldt-Rasmussen U¹, Boas M², Faber J³, Juul A⁴, Precht DH⁵

¹Copenhagen University Hospital (Rigshospitalet), Department of Endocrinology, Copenhagen, Denmark, ²Copenhagen University Hospital (Hillerød), Department of Pediatrics, Hillerød, Denmark, ³Copenhagen University Hospital (Herlev), Herlev, Denmark, ⁴Copenhagen University Hospital (Rigshospitalet), Department of Growth and Reproduction, Copenhagen, Denmark, ⁵Copenhagen University Hospital (Hvidovre), Family Outpatient Clinic, Copenhagen, Denmark

16.30-16.45

OP69 HIGH PREVALENCE OF THYROID DISORDERS IN PREGNANT WOMEN IN A MILDLY IODINE-DEFICIENT COUNTRY: A POPULATION-BASED STUDY

Moreno-Reyes R¹, Glinoer D², Van Oyen H³, Vandevijvere S³
¹Université Libre de Bruxelles, Department of Nuclear
Medicine, Hôpital Erasme, Brussels, Belgium, ²Université
Libre de Bruxelles, Division of Endocrinology, Hôpital
Saint-Pierre, Brussels, Belgium, ³Scientific Institute of Public
Health, Department of Public Health and Surveillance, Brussels,
Belgium

16.45-17.00

OP70 IS THYROID HYPOFUNCTION A TRUE FEATURE OF BREAST CANCER?

Smyth PP^{1,2}, Mc Dermott EWM¹, O'Higgins NJ¹

¹University College Dublin, School of Medicine, Dublin, Ireland,

²National University of Ireland, Galway, School of Physics,
Galway, Ireland

Aalmarkt Zaal

15.00-17.00

Oral Session 10: Thyroid Cancer Basic (OP71–OP78)

Chairpersons: Corinne Dupuy, Belgium Pilar Santisteban, Spain

15.00-15.15

OP71 THYROID CANCER SUSCEPTIBILITY GENE FOXE1 PROMOTES CELL MOTILITY AND IS REQUIRED FOR SURVIVAL OF ADULT THYROID CELLS

<u>De Menna M</u>¹, Marotta P², Esposito R¹, Orlacchio A², De Vita G¹, Garbi C¹, De Felice M², Di Lauro R¹

¹Università degli Studi di Napoli 'Federicoll', Dipartimento di Medicina Molecolare e Biotecnologie Mediche, Napoli, Italy, ²Biogem s.c.a.r.l., Ariano Irpino, Italy

15.15-15.30

OP72 INHIBITION OF MTOR SIGNALING INDUCES APOPTOSIS AND TTF-1 DEPENDENT REDIFFERENTIATION OF THYROID CARCINOMA CELL LINES

<u>Plantinga TS</u>¹, Heinhuis B¹, Joosten LAB², Netea MG², Hermus ARMM¹, Schweppe RE³, Haugen BR³, Smit JWA², Netea-Maier RT¹

¹Radboud University Nijmegen Medical Center, Department of Medicine, Division of Endocrinology, Nijmegen, Netherlands, ²Radboud University Nijmegen Medical Center, Department of Medicine, Nijmegen, Netherlands, ³University of Colorado Denver, Department of Medicine, Division of Endocrinology, Metabolism, and Diabetes, Aurora, United States

15.30-15.45

OP73 ISOLATION OF NOVEL TARGETS GENES OF TWIST1 IN ANAPLASTIC THYROID CARCINOMA

Orlandella FM¹, Di Maro G¹, Salerno P¹, Santoro M¹, Salvatore G²

¹Universita di Napoli Federico II, Napoli, Italy, ²Università di Napoli Parthenope, Napoli, Italy

15.45-16.00

OP74 CROSSTALK BETWEEN WNT/BETA-CATENIN AND PI3K/AKT SIGNALING PATHWAY IN THYROID CANCER

<u>Sastre-Perona AM</u>¹, Riesco-Eizaguirre G¹, Santisteban Sanz P¹ Instituto de Investigaciones Biomédicas (CSIC-UAM), Molecular Fisiopathology, Madrid, Spain 16.00-16.15

OP75 RESISTANCE OF ANAPLASTIC THYROID CANCER TO BRAF (V600E) INHIBITION THROUGH FEEDBACK ACTIVATION OF EGFR

Koh YW¹, Yang YJ¹, Na HJ¹, <u>Kim W-S</u>¹, Bong JP¹, Baek SJ¹, Kim JW², Park JH³, Shin DY⁴, Hong HJ¹, Kwon JH¹, Lee EJ⁴, Choi EC¹

¹Yonsei University College of Medicine, Otorhinolaryngology, Seoul, Republic of Korea, ²Soonchunhyang University Hospital, Otolaryngology-Head and Neck Surgery, Seoul, Republic of Korea, ³Soonchunhyang University Hospital, Otolaryngology-Head and Neck Surgery, Cheonan, Republic of Korea, ⁴Yonsei University College of Medicine, Endocrinology, Seoul, Republic of Korea

16.15-16.30

OP76 AN INTRONIC DELETION IN PHOSPHOLIPASE-C β1 (PLCβ1) IS ASSOCIATED WITH EUTHYROID MULTINODULAR GOITRE (MNG) PROGRESSING TO PAPILLARY THYROID CANCER (PTC)

Grennan-Jones FA¹, Bakhsh A¹, Hampshere M², Gregory J³, Kirov G², Williams D⁴, Bullock M⁵, Clifton-Bligh R⁵, Ludgate M¹

¹Cardiff University, Thyroid Research Group, Institute of Molecular and Experimental Medicine, Cardiff, United Kingdom, ²Cardiff University, Institute of Psychological Medicine & Clinical Neurosciences, Cardiff, United Kingdom, ³Cardiff University, Dept of Child Health, Institute of Molecular and Experimental Medicine, Cardiff, United Kingdom, ⁴Cambridge University, Strangeways Research Laboratory, Cambridge, United Kingdom, ⁵University of Sydney, Kolling Institute of Medical Research, Sydney, Australia

16.30-16.45

OP77 MOLECULAR CONSEQUENCES OF BRAFV600E MUTATION EVALUATED IN A MOUSE MODEL

<u>Rusinek D</u>¹, Swierniak M¹, Chmielik E², Kowalska M¹, Kowal M¹, Widlak W³, Jarzab B¹

¹MSC Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Department of Nuclear Medicine and Endocrine Oncology, Gliwice, Poland, ²MSC Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Department of Tumor Pathology, Gliwice, Poland, ³MSC Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Center for Translational Research and Molecular Biology of Cancer, Gliwice, Poland

16.45-17.00

OP78 POSSIBLE MODIFIER ROLE FOR THE RET FUNCTIONAL POLYMORPHISM G691S

<u>Colombo C</u>¹, Rizzetti MG², Mondellini P², Romeo P², Minna E², Greco A². Fuaazzola L¹. Borrello MG²

¹University of Milan, Department of Clinical Sciences and Community Health, Endocrinology and Diabetology Unit, Fondazione IRCCS Ca' Granda, Milan, Italy, ²Fondazione IRCCS Istituto Nazionale dei Tumori, Department of Experimental Oncology and Molecular Medicine, Molecular Mechanism Unit, Milan, Italy Grote Zaal/Main Auditorium 17.00–17.45

Special Lecture in Honour of Georg Hennemann

Chairpersons: *Theo Visser*, The Netherlands *Luigi Bartalena*, Italy

Non-thyroidal illness: a syndrome with different faces *Greet Van den Berghe,* The Netherlands

Grote Zaal/Main Auditorium 18.00–19.15

ETA General Assembly

(For Members only)

20.00 Gala Dinner at the National Museum of Antiquities





Photos: Courtesy of the Rijksmuseum van Oudheden

Wednesday, 11th September 2013

Aalmarkt Zaal

07.45-08.45

Short-Call Abstracts

Aalmarkt Zaal

08.45-10.45

Oral Session 11: Graves' Orbitopathy (OP79-OP86)

Chairpersons: *Luigi Bartalena*, Italy *Maarten Soeters*, The Netherlands

08.45-09.00

OP79 PROTEOMIC PROFILE OF ORBITAL TISSUE IN GRAVES' ORBITOPATHY

<u>Matheis N</u>¹, Grus F², Diana T¹, Ponto K³, Pitz S³, Kahaly GJ¹

¹Gutenberg University Medical Center, Molecular Thyroid
Research Laboratory, Mainz, Germany, ²Gutenberg University
Medical Center, Laboratory of Experimental Ophthalmology,
Mainz, Germany, ³Gutenberg University Medical Center,
Department of Ophthalmology, Mainz, Germany

09.00-09.15

OP80 POSSIBLE TARGETS FOR NON-IMMUNOSUPPRESSIVE THERAPY OF GRAVES' ORBITOPATHY (GO)

<u>Zhang L</u>¹, Grennan-Jones F^1 , Draman MS^1 , Lane C^2 , Dayan CM^1 , Ludgate M^1

¹Cardiff University, Institute of Molecular and Experimental Medicine, School of Medicine, Cardiff, United Kingdom, ²Cardiff & Vale University Health Board, Heath Park, Department of Ophthalmology, Cardiff, United Kingdom

09.15-09.30

OP81 IMMEDIATE EARLY GENES ARE OVEREXPRESSED IN SMOKERS WITH GRAVES' OPHTHALMOPATHY COMPARED TO NON-SMOKERS

Planck $T^{1,2}$, <u>Shahida B</u>¹, Parikh $H^{1,3}$, Åsman $P^{4,5}$, Hallengren $B^{1,2}$, Lantz $M^{1,2}$

¹Lund University, Dpt. of Clinical Sciences, Diabetes and Endocrinology, Malmö, Sweden, ²Skåne University Hospital, Dpt. of Endocrinology, Malmö, Sweden, ³Laboratory of Translational Genomics, Division of Cancer Epidemiology and Genetics, National Cancer Institute, National Institutes of Health, Bethesda, Maryland, United States, ⁴Lund University, Dpt. of Clinical Sciences, Ophthalmology, Malmö, Sweden, ⁵Skåne University Hospital, Dpt. of Ophthalmology, Malmö, Sweden

09.30-09.45

OP82 THYROID STIMULATING AUTOANTIBODIES INDICATE THE ONSET OF DYSTHYROID OPTIC NEUROPATHY

Ponto K¹, Diana T², Kanitz M², Matheis N², Kahaly GJ²

¹Gutenberg University Medical Center, Department of Ophthalmology, Mainz, Germany, ²Gutenberg University Medical Center, Department of Medicine I, Mainz, Germany

09.45-10.00

OP83 COMPARISON OF EARLY TOTAL THYROIDECTOMY WITH ANTITHYROID TREATMENT IN PATIENTS WITH MODERATE TO SEVERELY ACTIVE GRAVES' ORBITOPATHY, A RANDOMIZED PROSPECTIVE TRIAL

Erdoğan MF¹, Demir Ö¹, Ersoy RÜ², Gül K², Ünlütürk U¹, Aydoğan Bİ¹, Üç ZA³, Mete T⁴, Ertek S⁵, Çakır B², Güler S⁴, Çorapçıoğlu D¹, Dağdelen S⁶, Erdoğan G⁵

¹Ankara University School of Medicine, Endocrinology and Metabolic Diseases, Ankara, Turkey, ²Yıldırım Beyazıt University, School of Medicine, Endocrinology and Metabolic Diseases, Ankara, Turkey, ³Ankara Educational and Research Hospital, Endocrinology and Metabolic Diseases, Ankara, Turkey, ⁴Ankara Numune Educational and Research Hospital, Endocrinology and Metabolic Diseases, Ankara, Turkey ⁵Ufuk University School of Medicine, Endocrinology and Metabolic Diseases, Ankara, Turkey, ⁶Hacettepe University, School of Medicine, Endocrinology and Metabolic Diseases, Ankara, Turkey, Fundocrinology and Metabolic Diseases, Ankara, Turkey

10.00-10.15

OP84 LACK OF OCCURRENCE OF GRAVES' ORBITOPATHY (GO) AFTER RADIOIODINE (RAI) THERAPY WITH AND WITHOUT STEROID PROPHYLAXIS: A PROSPECTIVE STUDY

Vannucchi GM¹, Covelli D¹, Campi l¹, Currò N², Dazzi D³, Rodari M⁴, Pepe G⁴, Chiti A⁴, Beck-Peccoz P¹, Salvi M¹¹Endocrine Unit, Fondazione IRCCS Cà Granda, Milan, Italy, ²Ophthalmology, Fondazione IRCCS Cà Granda, Milan, Italy, ³Internal Medicine, Ospedale di Fidenza, Fidenza, Italy, ⁴Nuclear Medicine, Istituto Clinico Humanitas, Rozzano, Italy

10.15-10.30

OP85 IMPACT OF PREVIOUS ORBITAL IRRADIATION ON THE OUTCOME OF DECOMPRESSION SURGERY IN DYSTHYROID ORBITOPATHY

<u>Grunenwald S</u>¹, Jalbert F², Leray B³, Imbert P⁴, Bachaud J-M⁵, Boutault F², Caron P¹

¹CHU Larrey, Endocrinology and Metabolic Diseases, Toulouse, France, ²CHU Purpan, Maxillo-facial Unit, Toulouse, France, ³CHU Toulouse, Department of Ophthalmology, Toulouse, France, ⁴Clinique du Parc, Ophthalmology, Toulouse, France, ⁵Institut Claudius Regaud, Radiotherapy, Toulouse, France

10.30-10.45

OP86 DIFFERENTIAL MODULATION OF CXCL8
CHEMOKINE, IN COMPARISON WITH CXCL10, BY
CYTOKINES IN HUMAN THYROCYTES IN GRAVES' DISEASE
AND IN PRIMARY FIBROBLASTS OR PREADIPOCYTES FROM
GRAVES' OPHTHALMOPATHY

<u>Ferrari SM</u>¹, Fallahi P¹, Ruffilli I¹, Corrado A¹, Nardi M¹, Sellari-Franceschini S¹, Antonelli A¹ ¹University of Pisa, Pisa, Italy

Kleine Foyer

08.45-10.45

Oral Session 12: Thyroid Hormone Transporters and Deiodinases (OP87–OP94)

Chairpersons: *Ulrich Schweizer*, Germany *Heike Heuer*, Germany

08.45-09.00

OP87 KNOCKDOWN OF TYPE 3 IODOTHYRONINE DEIODINASE DISTURBS EMBRYONIC AND LARVAL DEVELOPMENT IN ZEBRAFISH

Heijlen M¹, Bagci E², Houbrechts A¹, Knapen D^{2,3}, <u>Darras VM</u>¹

¹KU Leuven, Laboratory of Comparative Endocrinology,
Department of Biology, Leuven, Belgium, ²University of
Antwerp, Systemic Physiological & Ecotoxicological Research,
Department of Biology, Antwerpen, Belgium, ³University of
Antwerp, Veterinary Physiology and Biochemistry,
Department of Veterinary Sciences, Antwerpen, Belgium

09.00-09.15

OP88 THYROID HORMONE INACTIVATION IS ESSENTIAL FOR THE PROLIFERATION OF MUSCLE STEM CELLS AND THE REGENERATION PROCESS

<u>Dentice M^1 </u>, Ambrosio R^1 , Luongo C^1 , Alfano F^1 , Langella M^1 , Salvatore D^1

¹University of Naples Federico II, Clinical Medicine and Surgery, Naples, Italy

09.15-09.30

OP89 EFFECTIVE TRANSPORT BY THE BILE ACID TRANSPORTER SLC10A1 EXPLAINS THE LIVER SELECTIVE ACTION OF THE LIPID-LOWERING THYROID HORMONE ANALOGUE EPROTIROME

Kersseboom S¹, Carlsson B², Visser TJ¹

¹Erasmus University Medical Center, Department of Internal Medicine, Rotterdam, Netherlands, ²Karo Bio, Huddinge, Sweden 09.30-09.45

OP90 EXPRESSION PROFILE AND MANIPULATION OF THYROID HORMONE TRANSPORTERS AND DEIODINASES IN THE DEVELOPING CHICK CEREBELLUM

<u>Delbaere J</u>¹, Bourgeois NMA¹, Van Herck SLJ¹, Darras VM¹
¹KU Leuven, Laboratory of Comparative Endocrinology, Leuven, Belgium

09.45-10.00

OP91 LIVER THYROID HORMONE METABOLISM DURING FASTING

<u>de Vries E</u>¹, Eggels L¹, van Wijk N¹, Kalsbeek A¹, Fliers E¹, Boelen A¹

¹AMC Amsterdam, Department of Endocrinology and Metabolism, Amsterdam, Netherlands

10.00-10.15

OP92 3,3'-T2 IS TRANSPORTED BY THE L-TYPE AMINO ACID TRANSPORTER LAT2

Wittner M¹, Köhrle J², Schülein R¹, Krause G¹, <u>Kinne A¹</u>
¹Leibniz-Institut für Molekulare Pharmakologie, Berlin, Germany, ²Institut für Experimentelle Endokrinologie, Charité-Universitätsmedizin, Berlin, Germany

10.15-10.30

OP93 DECREASED SELENOCYSTEINE (SEC) READ-THROUGH BY A PATIENT MUTATION IN THE SEC INSERTION SEQUENCE OF THE TYPE 2 DEIODINASE

<u>Zevenbergen C</u>¹, Visser WE¹, Peeters RP¹, Larsen PR², Chavatte L³, Visser TJ^1

¹Erasmus Medical Center, Internal Medicine, Rotterdam, Netherlands, ²Brigham and Women's Hospital, Department of Internal Medicine, Boston, United States, ³Centre de Génétique Moléculaire, Département Expression des Gènes, Gif-sur-Yvette Cedex, France

10.30-10.45

OP94 DEVELOPMENTAL EXPRESSION PATTERN OF THYROID HORMONE TRANSPORTERS AND DEIODINASES IN THE CHOROID PLEXUS AND BLOOD VESSELS IN THE CHICKEN BRAIN

Van Herck SL¹, Delbaere J¹, Bourgeois NM¹, Geysens S¹, McAllan BM², Richardson SJ³, Darras VM¹

¹KU Leuven, Laboratory of Comparative Endocrinology, Department of Biology, Leuven, Belgium, ²The University of Sydney, Physiology, School of Medical Sciences, and Bosch Institute, Sydney, Australia, ³RMIT University, School of Medical Sciences, Melbourne, Australia

10.45-11.00 **Coffee break**

Kleine Foyer

11.00-12.30

Symposium 7 (Basic): Deiodinases in Local Thyroid Hormone Control

Chairpersons: Monica Dentice, Italy

Warner Simonides, The Netherlands

11.00-11.30	Deiodinases in inflammatory cells
	Joan Kwakkel, The Netherlands
11.30-12.00	Deiodinases in aging
	W. Edward Visser, The Netherlands
12.00-12.30	Deiodinases in bone

Duncan Bassett, UK

Aalmarkt Zaal

11.00-12.30

Symposium 8 (Clinical): Pros and Cons of Novel Diagnostic Tools for Differentiated Thyroid Carcinoma

Chairpersons: *Maria Alevizaki*, Greece *Thera Links*, The Netherlands

11.00–11.20	Molecular genetics of fine needle aspirates – Markers for benign neoplasia
	Richard Kloos, USA
11.20-11.40	 Markers for malignancy
	Furio Pacini, Italy
11.40-12.05	Thyroglobulin antibody interferences with
	thyroglobulin measurements
	Carole Spencer, USA
12.05 12.20	
12.05–12.30	Supersensitive Tg assays: clinical application
	Maria Grazia Castagna, Italy

Aalmarkt Zaal

12.30-13.00

Young Investigator Awards, Poster Prizes, Jack Robbins Prize and Closing Ceremony

Furio Pacini, Italy (President) Colin Dayan, UK (Secretary)

European Thyroid Journal

Sunday, 8th September 2013

Poster Exhibition Area

12.00–13.00 Poster Session 1

PO1 Thyroid Autoimmunity Basic

Chair: Paul Banga, UK

P1 A REDUNDANT ROLE FOR PROPERTIDE IN HUMAN THYROID PEROXIDASE PROTEIN FOR ITS CELLULAR, ENZYMATIC AND IMMUNOLOGICAL ACTIVITY

Godlewska M¹, Gora M², Buckle AM³, Porebski BT³, Kemp EH⁴, Sutton BJ⁵, Czarnocka B¹, <u>Banga JP</u>⁶

¹Medical Centre of Postgraduate Education, Biochemistry, Warsaw, Poland, ²Institute Biochemistry and Biophysics, Genetics, Warsaw, Poland, ³Monash University, Biochemistry and Molecular Biology, Clayton, Australia, ⁴University of Sheffield, Human Metabolism, Sheffield, United Kingdom, ⁵King's College London School of Medicine, Cell and Molecular Biophysics, London, United Kingdom, ⁶King's College London School of Medicine, Diabetes and Endocrinology, London, United Kingdom

P2 ALTERATIONS IN THE HYPOXIC RESPONSE OF ORBITAL FIBROBLASTS FROM GRAVES' ORBITOPATHY PATIENTS

<u>Berchner-Pfannschmidt U^1 , Müller M^1 , Delos Reyes B^2 , Steuhl K- P^1 , Fandrey J^2 , Eckstein A^1 </u>

¹University of Duisburg-Essen, Department of Ophthalmology, Essen, Germany, ²University of Duisburg-Essen, Institute for Physiology, Essen, Germany

P3 ROLE OF IL-12B AND IL-10 GENE POLYMORPHISMS IN DEVELOPMENT OF HASHIMOTO'S THYROIDITIS

Gerenova J¹, Avramova A², Stanilova S²

¹Trakia University, Endocrinology, Stara Zagora, Bulgaria, ²Trakia University, Molecular Biology, Immunology and Medical Genetics, Stara Zagora, Bulgaria

P4 TNFα (G/A -308) AND TLR-4 (ASP299GLY) POLYMORPHISMS IN TUNISIAN PATIENTS WITH AUTOIMMUNE THYROIDITIS (GRAVES' DISEASE AND HASHIMOTO'S THYROIDITIS)

<u>Haouat E</u>¹, Boubakri M¹, Dhaouadi T¹, Sfar I¹, Ben Abdallah T¹, Gorgi Y¹

¹Charles Nicolle hospital, Laboratory of Research in Immunology of Renal Transplantation and Immunopathology (LR03SP01), Tunis, Tunisia

P5 HLA-DRB1*0301 AND HLA-DRB1*1101 ARE ASSOCIATED TO GRAVES' DISEASE IN ROMANIAN POPULATION, WHEREAS HLA-DRB1*0101 AND HLA-DRB1*1501 SEEM TO BE PROTECTIVE

Martin CS^{1,2}, Dutescu MI³, Fica SV^{1,2}

¹Carol Davila University of Medicine and Pharmacy, Endocrinology, Bucharest, Romania, ²Elias University Hospital, Endocrinology, Bucharest, Romania, ³National Institute of Hematology Transfusion Prof. C Nicolau, National HLA Laboratory, Bucharest, Romania

P6 INTERACTION OF THE IMMUNE REGULATORY GENES WITH THE THYROID SPECIFIC GENES IN THE PREDISPOSITION TO HASHIMOTO'S DISEASE

<u>Hubalewska-Dydejczyk A</u> 1 , Jabrocka-Hybel A 1 , Skalniak A 1 , Piatkowski J 1 , Pach D 1

¹Jagiellonian University Medical College, Department of Endocrinology, Krakow, Poland

P7 THE VALUE OF SOME CLINICAL AND IMMUNOLOGICAL PARAMETERS IN DETERMINING THE OUTCOMES OF SURGICAL TREATMENT OF AUTOIMMUNE TIREODIT (AIT) COMBINED WITH NODE

Ryabchenko E¹

¹State Institution of Health 'Regional Clinical Hospital № 2', Department of Endocrinologycal Surgery, Krasnodar, Russian Federation

PO2 Thyroid Basic

Chair: Josef Köhrle, Germany

P8 HISTONE DEACTETYLASE INHIBITOR VALPROIC ACID IMPAIRS FOLLICLE FORMATION AND ANGIOGENESIS IN THE DIFFERENTIATING THYROID

Gawade S1, Hafen K2, Szinnai G1

¹Paediatric Endocrinology, and ²Paediatric Immunology, Department of Biomedicine, University of Basel and University Children's Hospital Basel, Basel, Switzerland

P9 ALTERED MITOCHONDRIAL FUNCTION IN PREGNANT WOMEN WITH SUBCLINICAL HYPOTHYROIDISM AND GESTATIONAL HYPERTENSION

<u>Feldthusen A-D</u>^{1,2,3}, Larsen J^2 , Pedersen PL^2 , Kristensen $TT^{2,3}$, Anthonsen S^2 , Kvetny $J^{2,4}$

¹Naestved Hospital, Department of Obstetrics & Gynecology, Naestved, Denmark, ²Naestved Hospital, The Mitochondrial Research Unit, Naestved, Denmark, ³University of Copenhagen, Copenhagen, Denmark, ⁴Department of Internal Medicine, University of Southern Denmark, Naestved, Denmark

P10 THYROID FUNCTION AND IODINE DEFICIENCY DISORDERS: AN INTENSIVE STUDY OF 8 HIMALAYAN VILLAGES

<u>Kathait A</u>^{1,2}, Farswan A³, Bamola V^4 , Yadav N^1 , Chandola-Saklani A¹

¹Apeejay Stya University, Centre for Biosciences & Clinical Research, Gurgaon, India, ²HNBG Central University, Dept of Biotechnology, Srinagar, India, ³Govt PG College, Dept of Zoology, Augutmuni, India, ⁴All India Institute of Medical Sciences, Dept of Microbiology, Delhi, India

P11 AN ULTRA-SHORT FEEDBACK LOOP FOR T3 ON THE SODIUM IODIDE SYMPORTER

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P12 IMPACT OF SOYBEAN ISOFLAVONES GENISTEIN AND DAIDZEIN ON SERUM LEVELS OF TSH AND T4 – EFFECTS OF AGING AND ORCHIDECTOMY

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P13 MODELING THE ABSORBED DOSE TO THE COMMON CAROTID ARTERIES FOLLOWING RADIOIODINE TREATMENT OF BENIGN THYROID DISEASE

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P14 GENETIC ANALYSIS OF THE PAX8 GENE IN CHILDREN WITH CONGENITAL HYPOTHYROIDISM AND DYSGENETIC THYROID GLANDS – THE PILOT STUDY

<u>Kumorowicz-Czoch M</u>¹, Madetko-Talowska A², Tylek-Lemanska D³, Pietrzyk JJ², Starzyk J¹

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P15 FUNCTIONAL LONG-TERM MAINTENANCE OF HUMAN THYROID PRIMARY CULTURES IN HUMANIZED MEDIUM (H7H)

Garcia-Rendueles AR¹, Rodrigues JS¹, Perez-Romero S¹, Suarez-Fariña M¹, Garcia-Lavandeira M¹, Rodriguez-Garcia J², Cameselle-Teijeiro J³, Bravo SB⁴, Garcia-Rendueles MER¹, Alvarez CV¹

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P16 EFFICACY OF A NEW BLOCKER AGAINST ANTI-RUTHENIUM ANTIBODY INTERFERENCE IN THE NEW ELECSYS FT3 III AND FT4 II ASSAY

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P17 A NEW CLASS OF ANTITHYROID AGENT INHIBITING IODIDE TRANSPORT AND PEROXIDASE-H₂O₂ REACTION IN VITRO

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PO3 Thyroid Cancer Basic 1

Chair: Rosa Marina Mellilo, Italy

P18 A NOVEL ROLE FOR INTRACELLULAR INTERLEUKIN-32 IN PROMOTING CELL DEATH BY MODULATION OF THE IL-8/FOCAL ADHESION KINASE 1 SIGNALING PATHWAY IN THYROID CANCER

Heinhuis B^{1,2,3}, Plantinga TS^{1,2,3}, Dinarello CA^{1,2}, Hermus ARMM^{1,3}, Netea MG^{1,2}, Smit JWA^{1,3}, Joosten LAB^{1,2}, Netea-Maier RT^{1,3}

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P19 (will be presented in PO12 Basic Cancer 2 on Monday)

TUMOR-EDUCATED MAST CELLS INDUCE EPITHELIAL-TO-MESENCHYMAL TRANSITION AND EXPANSION OF STEM CELL POPULATION VIA IL-8/CXCR1/CXCR2 AXIS IN THYROID CANCER.

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P20 MIGRATION AND REDUCED APOPTOSIS IN FOLLICULAR THYROID CARCINOMAS AS AN EFFECT OF DIFFERENTIAL MIRNA EXPRESSION

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P21 CELL CYCLE TARGETING IN CELLS CARRYING P53 POINT MUTATIONS: A NOVEL PERSPECTIVE FOR UNDIFFERENTIATED THYROID CANCER THERAPY

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P22 NUCLEAR CYSTEINE CATHEPSIN VARIANTS IN THYROID CANCER

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P23 IMPACT OF CLAUDIN-1 ON EPITHELIAL-MESENCHYMAL TRANSITION IN PAPILLARY THYROID CARCINOMA

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P24 MIRNAS WITH THE POTENTIAL TO DISTINGUISH FOLLICULAR THYROID CARCINOMAS FROM BENIGN FOLLICULAR THYROID TUMORS – RESULTS OF A META ANALYSIS

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P25 **CYTOLOGY OF LYMPHOMAS IN THE THYROID GLAND**

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P26 THE CLINICAL SIGNIFICANCE OF TUMOR SUPPRESSOR GENE METHYLATION – EXPRESSION IN NODULAR THYROID DISEASE

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P27 MULTICENTER EVALUATION OF A HIGHLY SENSITIVE THYROGLOBULIN IMMUNOASSAY ON ELECSYS SYSTEMS

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P28 **DESCRIPTION OF A NEW HIGHLY SENSITIVE**THYREOGLOBULIN IMMUNOASSAY: THERMO SCIENTIFIC B·R·A·H·M·S HTG SENSITIVE KRYPTOR

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P29 PARANEOPLASTIC LEUKOCYTOSIS – POSSIBLE SYMPTOM OF THYROID CANCER PROGRESSION?

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PO4 Thyroid Cancer Diagnostics 1

Chair: Sophie Leboulleux, France

P30 MALIGNANCY RATE OF THYROID NODULES DETECTED BY HEALTH EXAMINATION WAS ASSOCIATED WITH PATIENTS' AGE AND NODULE SIZE IN PATIENTS AGED 60 YEARS OR OLDER

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P31 TGAB POSITIVE (+) PAPILLARY THYROID CANCER (PTC) PATIENTS WITH LYMPHOCYTIC THYROIDITIS (LT) DETECTED AT THYROIDECTOMY (TX) SUGGESTS AN INCREASED RISK OF RECURRENCE (R) DURING FOLLOW-UP (F/U)

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P32 EVALUATION OF A NEW ULTRASENSITIVE THYROGLOBULIN ASSAY IN THE FOLLOW-UP OF PATIENTS WITH DIFFERENTIATED THYROID CANCER

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P33 RECOMBINANT HUMAN THYROTROPIN STIMULATION THYROGLOBULIN (RHTSH-TG) TEST CAN IDENTIFY FALSE SERUM TG DUE TO HETEROPHILIC ANTIBODIES IN DIFFERENTIATED THYROID CANCER (DTC) PATIENTS

<u>Matrone A</u>¹, Gambale C¹, Taddei D¹, Nencetti C¹, Molinaro E¹, Agate L¹, Bottici V¹, Viola D¹, Vitti P¹, Elisei R¹

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P34 SURGEON-PERFORMED ULTRASOUND-GUIDED FINE-NEEDLE ASPIRATION CYTOLOGY SHORTENS TIME FOR DIAGNOSIS OF THYROID NODULES

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P35 CYSTIC CHANGE AFTER FINE NEEDLE ASPIRATION BIOPSY OF CIRCUMSCRIBED SOLID THYROID NODULES WITHOUT MALIGNANT US FEATURES: IS IT MEANINGFUL?

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P36 FINE-NEEDLE ASPIRATION (FNA) OF THYROID NODULES GUIDED BY ULTRASONOGRAPHY. VALUE TIRADS

<u>Jiménez M</u>^{1,2}, Gayoso R², Sapunar J^{1,2}, Granzotto C¹, Roa JC^{1,2}, Huenchullan C¹, Ortiz E^{1,2}

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P37 ROLE OF ELASTOGRAPHY IN DIAGNOSIS OF SUSPECIOUS THYROID NODULES

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P38 THYROID NODULES IN MADEIRA ISLAND, PORTUGAL – A RETROSPECTIVE STUDY

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PO5 Thyroid Cancer Pathogenesis

Chair: Cristina Romei, Italy

P39 CLINICAL IMPLICATION OF BRAF^{V600E} MUTATION IN PAPILLARY THYROID CARCINOMA

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P40 HURHTLE CELL THYROID CARCINOMA: A MULTICENTRIC RETROSPECTIVE STUDY WITH MIRNA PROFILING

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P41 ASSOCIATION BETWEEN CYP2E1 PROMOTER POLYMORPHISMS AND PAPILLARY THYROID CANCER WITH EXTRATHYROIDAL EXTENSION IN KOREAN POPULATION

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P42 BRAF^{V600E} MUTATIONAL STATUS AND ITS CLINICAL SIGNIFICANCE IN MULTIFOCAL PAPILLARY THYROID CARCINOMA OF THE KOREAN POPULATION

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P43 DETAILS OF HISTOPATHOLOGY IN PATIENTS WITH ONE OR MORE FIRST DEGREE RELATIVE WHO HAVE WELL DIFFERENTIATED THYROID CANCER (WDTC)

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P44 CLINICOPATHOLOGICAL SIGNIFICANCE OF CARCINOMA ASSOCIATED FIBROBLASTS (CAF) IN PAPILLARY THYROID CARCINOMA: THE PREDICTIVE MAKER OF CERVICAL LYMPH NODE METASTASES

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P45 ISTHMIC LOCATION OF MALIGNANT THYROID NODULES REPRESENTS AN ADDITIONAL RISK FACTOR FOR METASTATIC DISEASE IN PATIENTS AFFECTED BY LOW RISK DIFFERENTIATED THYROID CANCER (DTC).

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P46 THYROID CANCER AFTER IN VITRO FERTILIZATION: A RETROSPECTIVE, NON-CONSECUTIVE CASE-SERIES ANALYSIS

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P47 SYNCHRONOUS MICROPAPILLARY THYROID CARCINOMA AND NON HYPERCALCEMIC PARATHYROID CARCINOMA: A CASE REPORT

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PO6 Thyroid Cancer Therapeutics 1

Chair: Christine Spitzweg, Munich

P48 RETROAURICULAR ROBOTIC THYROIDECTOMY WITH OR WITHOUT MODIFIED RADICAL NECK DISSECTION

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P49 COMPARISON BETWEEN SPORADIC AND FAMILIAL PAPILLARY THYROID MICROCARCINOMA

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P50 A COMPARISON OF CLINICAL EFFECTIVENESS OF LOW VERSUS HIGH DOSE RADIOABLATION IN DIFFERENTIATED THYROID CANCER PATIENTS

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P51 LOW-RISK PAPILLARY THYROID CARCINOMA: TO ABLATE OR NOT TO ABLATE

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P52 IS THE DISSECTION OF RIGHT SIDE SUPERIOR MEDIASTINAL LYMPH NODES IS NECESSARY DURING OPERATION FOR PAPILLARY THYROID CANCER?

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P53 LIGASURE VS. HARMONIC SCALPEL IN TOTAL THYROIDECTOMY: COMPARING OUTCOMES AND COMPLICATIONS

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P54 SURVIVAL RATES AND PROGNOSTIC FEATURES OF 1167 PAPILLARY THYROID CARCINOMA PATIENTS WITH LONG-TERM FOLLOW-UP

<u>Jukić T</u>¹, Franceschi M¹, Lukinac L¹, Granić R¹, Staničić J¹, Šiško Markoš I¹, Punda M¹, Dabelić N¹, Mateša N¹, Sonicki Z², Kusić Z¹

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P55 OUTCOMES FOR DIFFERENTIATED THYROID CANCER (DTC) ARISING IN PATIENTS WITH A PRIOR PAEDIATRIC MALIGNANCY

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P56 TYROSINE KINASE INHIBITORS FOR THE TREATMENT OF REFRACTORY THYROID CANCER: BALANCING EFFICACY AND QUALITY OF LIFE

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PO7 Case Reports 1

Chair: Istvàn Szabolcs, Hungary

P57 INDICATIONS FOR THE GASLESS TRANSAXILLARY ROBOTIC APPROACH TO THYROID SURGERY – EXPERIENCE OF 100 PROCEDURES AT THE AMERICAN HOSPITAL OF PARIS

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P58 **CLINICAL CHARACTERISTICS OF ESOPHAGEAL DIVERTICULA MISDIAGNOSED AS THYROID NODULE**

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P59 HYALINISING TRABECULAR TUMOUR IN ADENOMATOID GOITER – A CASE OF 59-YEAR-OLD MAN WITH HIV DISEASE

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P60 THE SCLEROTHERAPY WITH ETHANOL – AN UNCOMMON, BUT SUCCESSFUL METHOD OF TREATMENT OF A HUGE BRANCHIAL CLEFT CYST

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P61 PAPILLARY THYROID CARCINOMA WITH LYMPHOCYTIC THYROIDITIS IN AN AUTONOMOUS HYPERFUNCTIONING THYROID NODULE

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10.000KM ON BICYCLE UNDER TYROSINE KINASE **INHIBITOR THERAPY WITH VANDETANIB**

Weidner S¹, Klaeser B¹, Wartenberg J¹, Krause T¹ ¹Inselspital, University Hospital of Berne, Berne, Switzerland

CONTEMPORANEOUS OCCURRENCE OF THYROGLOSSAL DUCT CYST AND LINGUAL THYROID IN THE ABSENCE OF AN ORTHOTOPIC THYROID GLAND -**CASE REPORT**

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TUBERCULOUS ABSCESS OF THE THYROID GLAND P64 Gapuz KT1, Esposo EA1

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MULTIPLE TREATMENT OF PATIENTS WITH BONE METASTASES FROM DIFFERENTIATED THYROID **CARCINOMA**

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PO8 Clinical Thyroidology 1

Chair: Murat Erdogan, Turkey

LOW NORMAL FREE T4 CONFERS DECREASED HIGH DENSITY LIPOPROTEIN ANTI-OXIDATIVE FUNCTIONALITY IN THE CONTEXT OF HYPERGLYCEMIA

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P67 THE VALUE OF RED BLOOD CELL DISTRIBUTION WIDTH IN THE SUBCLINICAL HYPOTHYROIDISM

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MYOCARDIAL DIASTOLIC FUNCTION IN PATIENTS WITH AUTOIMMUNE THYROIDITIS AND TSH VALUES WITHIN THE REFERENCE OR SUBCLINICAL RANGE: **RELATIONSHIP TO THYROID AND METABOLIC INDICES**

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ATHEROGENIC LIPOPROTEINS IN SUBCLINICAL HYPOTHYROIDISM AND THEIR RELATIONSHIP WITH HEPATIC LIPASE ACTIVITY, RESPONSE TO REPLACEMENT TREATMENT WITH LEVOTHYROXINE

Brenta G^1 , Berg G^2 , Miksztowicz V^2 , Lopez G^2 , Lucero D^2 , Faingold C^1 , Nakajima $K^{2,3}$, Schreier L^2

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AUTOIMMUNE THYROIDITIS: ADIPOKINES AND P70 CARDIOVASCULAR RISK FACTORS IN SUBCLINICAL **HYPOTHYROIDISM**

Neves C^1 , Esteves C^1 , Pereira M^1 , Dias C^2 , Palmares C^3 , Sokhatska O³, Carvalho D¹, Delgado L³, Medina J¹ ¹São João Hospital, Faculty of Medicine, University of Porto, Department of Endocrinology, Diabetes and Metabolism, Porto, Portugal, ²São João Hospital, Faculty of Medicine, University of Porto, Department of Biostatistics and Medical Informatics, Porto, Portugal, ³São João Hospital, Faculty of Medicine, University of Porto, Department of Immunology, Porto, Portugal

LOW T3 CONCENTRATIONS AT THE BEGINNING OF HEMODIALYSIS TREATMENT ARE ASSOCIATED WITH A HIGH MORTALITY RATE IN PATIENTS WITH CHRONIC **KIDNEY DISEASE (CKD)**

Reinhardt W¹, Dolff S¹, Broecker-Preuss M², Führer D², Witzke O¹ ¹University of Duisburg-Essen, Clinic of Nephrology, Essen, Germany, ²University of Duisburg-Essen, Clinic of Endocrinology and Metabolism, Essen, Germany

SUBCLINICAL HYPOTHYROIDISM, SPONTANEOUS **EVOLUTION IN AN URBAN POPULATION OF THE MEDITERRANEAN COAST**

Tortosa F¹, Ossó J², Gomez Ramirez M², Sanchez A³, Aldea M⁴, Mesa J^1 , Lecube A^1

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P73 THE EFFECT OF IODINE RESTRICTION ON THYROID FUNCTION IN SUBCLINICAL HYPOTHYROIDISM PATIENTS

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P74 FUNCTIONAL GASTROINTESTINAL DISORDERS IN CHILDREN WITH GOITER

<u>Bugayenko OA</u>¹, Mamenko MY¹, Belykh NA¹, Yerokhina Ol¹, Budnik TV¹

¹Luhansk State Medical University, Department of Postgraduate Education in Pediatrics, Luhansk, Ukraine

P75 PANCYTOPENIA RELATED TO AMIODARONE INDUCED HYPOTHYROIDISM: CASE REPORT

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P76 GRAVES DISEASE AND MEMBRANOUS GLOMERULONEPHRITIS

<u>Stojkovic M</u>¹, Beleslin B¹, Ciric J¹, Savic S¹, Simic S², Nisic T¹, Lalic T¹, Stojanovic M¹, Trbojevic B¹, Zarkovic M¹

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PO9 Graves' Orbitopathy

Chair: *Anja Eckstein*, Germany

P77 INTRANASAL MEDIAL ENDOSCOPIC DECOMPRESSION (IMED) AS AN EFFICIENT TREATMENT FOR PATIENTS WITH DYSTHYROID OPTIC NEUROPATHY (DON)

<u>Miśkiewicz P</u>¹, Trautsolt K¹, Pirko-Kotela K¹, Jabłońska A², Samsel A², Wołczańska N¹, Milczarek-Banach J¹, Kęcik D², Krzeski A³, Bednarczuk T¹

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P78 SOME ASPECTS OF TREATMENT OF THE DRY EYE SYNDROME CAUSED BY OF ENDOCRINE OPHTHALMOPATHY

<u>Papava M</u>¹, Javashvili L², Dundua T², Gaprindashvili N³

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P79 THE ROLE OF THYROTROPIN RECEPTOR ANTIBODIES IN GRAVE'S OPHTHALMOPATHY ACTIVITY AND RESPONSE TO TREATMENT

Petunina NA^1 , <u>Martirosian N^1 </u>, Trukhina LV^1 , Saakyan SV^2 , Panteleeva OG^2 , Sirmays OS^2

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P80 CLINICAL CHARACTERISTICS AND TREATMENT OUTCOME IN PATIENTS WITH MODERATE GRAVE'S ORBITOPATHY

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P81 COMPARISON EFFICACY OF DIFFERENT SCHEMES OF GRAVES' ORBITOPATHY TREATMENT

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P82 THE CA/OA RATIO AS A TOOL FOR PLANNING SURGERY IN PATIENTS SUBMITTED TO ORBITAL DECOMPRESSION FOR GRAVES' ORBITOPATHY (GO)

<u>Campi I</u>¹, Vannucchi G¹, Covelli D¹, Brevi A², Iofrida E², Currò N³, Guastella C², Pignataro L², Avignone S⁴, Beck-Peccoz P^{1,5}, Salvi M¹ Fondazione IRCCS Ca' Granda, Department of Clinical Science and Community Health, Milan, Italy, ²Fondazione IRCCS Ca' Granda, Otolaryngology, Milan, Italy, ³Fondazione IRCCS Ca' Granda, Ophthalmology, Milan, Italy, ⁴Fondazione IRCCS Ca' Granda, Neuroradiology, Milan, Italy, ⁵Università degli Studi di Milano, Milan, Italy

P83 **DIFFERENT FEATURES OF GRAVES' OPHTHALMOPATHY IN TYPE 1 AND TYPE 2 DIABETES**

<u>Le Moli R</u>¹, Muscia V¹, Castoro C¹, Furneri MT¹, Regalbuto C¹, Squatrito S¹, Vigneri R¹

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P84 THYROID AUTOANTIBODIES IN GRAVES' ORBITOPATHY: DIFFERENCES BETWEEN HYPERTHYROID AND EUTHYROID PATIENTS

<u>Beleslin B</u>¹, Ciric J¹, Zarkovic M¹, Stojkovic M¹, Ciric S¹, Lalic T¹, Trbojevic B¹

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P85 LATE RELAPSE OF GRAVES OPHTHALMOPATHY IN A CASE WITH TREATED GRAVES' DISEASE

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PO10 Hyperthyroidism 1

Chair: Mario Salvi, Italy

P86 ANTI-THYROID DRUGS AS TREATMENT FOR NEUTROPENIA IN GRAVES' THYROTOXICOSIS

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P87 PROSPECTIVE STUDY ON THE TRIGGERING ROLE OF STRESS IN GRAVES' DISEASE (GD)

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P88 PLASMA BRAIN NATRIURETIC PEPTIDE (BNP) IN GRAVES' HYPERTHYROIDISM WITH OR WITHOUT ATRIAL FIBRILLATION

<u>Okamura K</u>¹, Bandai S¹, Fujikawa M¹, Sato K¹, Chishaki A², Kitazono T¹

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P89 THYROID FUNCTION STATUS IN PATIENTS RECEIVING HEMODIALYSIS AND PERITONEAL DIALYSIS FOR CHRONIC KIDNEY DISEASE

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P90 LEVELS OF TSH, FREE T4 AND ANTI-TPO LEVELS IN AN EUTHYROID BULGARIAN POPULATION WITHOUT HISTORY, LABORATORY OR ULTRASOUND DATA OF THYROID DISEASE

<u>Shinkov A</u>¹, Borissova A-M¹, Vlahov J¹, Dakovska L¹

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P91 AN INTRIGUING CASE OF HYPOTHYROID WOMAN BECOMING HYPERTHYROID

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P92 TRANSIENT THYROTOXICOSIS DIFFERENT FROM SUBACUTE THYROIDITIS

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P93 LATE RECURRENCES OF GRAVES HYPERTHYROIDISM AFTER SURGICAL THERAPY

<u>Ursu HI</u>^{1,2}, Galoiu S^{1,2}, Podia CI³, Purice M⁴, Stanescu B^{2,5}, Goldstein A⁴, Alexandrescu D⁶

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P94 LITHIUM-ASSOCIATED HYPERPARATHYROIDISM: A CASE REPORT

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Monday, 9th September 2013

Poster Exhibition Area

12.00-13.00

Poster Session 2

PO11 Thyroid Autoimmunity Clinical

Chair: Stefano Mariotti, Italy

P95 THE CONTRIBUTION OF POLYMORPHISMS WITHIN GENES ENCODING CO-STIMULATORY MOLECULES TO THE SUSCEPTIBILITY TO GRAVES' DISEASE AND ORBITOPATHY

Pawlak-Adamska E¹, <u>Daroszewski J</u>², Frydecka I¹, Karabon L¹, Jonkisz A¹, Tomkiewicz A¹, Partyka A¹, Lebioda A³, Bolanowski M² ¹Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw, Poland, ²Wroclaw Medical University, Dept. of Endocrinology, Diabetes and Isotope Therapy, Wroclaw, Poland, ³Wroclaw Medical University, Dept. of Forensic Medicine, Wroclaw, Poland

P96 SELENOMETHIONINE SUPPLEMENTATION IN EUTHYROID PATIENTS WITH AUTOIMMUNE THYROIDITIS: EFFECTS OF TWO DOSES (80 OR 160 μ G) VERSUS PLACEBO

Cenci V^1 , <u>Pilli T^1 </u>, Cardinale S^1 , Cantara S^1 , Fioravanti C^1 , Sestini F^1 , Pasaui L^1 . Pacini F^1

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P97 CHRONIC LYMPHOCITIC THYROIDITIS (CLT) IS INCREASED IN INDUSTRIALIZED AREAS WITH PETROCHEMICAL PLANTS IN SOUTH-EASTERN SICILY. A CYTOLOGICAL-BASED STUDY

Arena S¹, <u>Gullo D</u>², <u>Latina A</u>², <u>Benvenga S</u>³

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³University of Messina, Department of Clinical and Experimental Medicine, Messina, Italy

P98 EFFECTS OF STEROID PROPHYLAXIS FOR GRAVES' ORBITOPATHY ON THE RADIOIODINE (RAI) THERAPEUTIC OUTCOME AND THYROID FUNCTION

<u>Covelli D</u>¹, Vannucchi G¹, Campi I¹, Currò N², Dazzi D³, Rodari M⁴, Pepe G⁴, Chiti A⁴, Beck-Peccoz P¹, Salvi M¹

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P99 PENDRIN AUTOANTIBODIES, USING A RADIOLIGAND BINDING ASSAY, ARE DETECTED WITH LOW FREQUENCY IN PATIENTS WITH AUTOIMMUNE THYROID DISEASE AND ARE UNDETECTABLE IN NORMAL CONTROLS

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Department of Human Metabolism, Sheffield, United Kingdom

P100 OXIDATIVE STRESS IS ASSOCIATED WITH THYROID HORMONES AND THYROID AUTOIMMUNITY IN EUTHYROID WOMEN

<u>Giannakou M</u>¹, Saltiki K¹, Loukari E¹, Mantzou A¹, Philippou G¹, Terzidis K¹, Stavrianos C¹, Alevizaki M¹

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P101 PRIMARY THYROID DISORDERS IN PATIENTS WITH ENDOGENOUS HYPERCORTISOLISM AND THE ROLE OF IMMUNE DYSREGULATION: AN OBSERVATIONAL STUDY

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P102 FACTORS INFLUENCING GRAVES' DISEASE RECURRENCE AFTER SUCCESSFUL TREATMENT WITH ANTITHYROID DRUGS

Zaletel K¹, Arko R², Gaberšček S¹, Pirnat E¹, Hojker S¹

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P103 THYROID AUTOIMMUNITY IN PATIENTS WITH HYPERPROLACTINEMIA: AN OBSERVATIONAL STUDY

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P104 AUTOIMMUNE THYROIDITIS AND PAPILLARY THYROID CANCER

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PO12 Thyroid Cancer Basic 2

Chair: Dagmar Führer, Germany

P105 **DISTINCT GENETIC ALTERATIONS IN MAPK**PATHWAY MODULATE TYPE 3 DEIODINASE IN HUMAN PTC CELL LINES

Romitti M¹, Wajner SM¹, Pinto Ribeiro RV¹, Ceolin L¹, Ferreira CV¹, Rohenkohl HC¹, Fuziwara CS², Edna KT², Maia AL¹

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P106 IMPORTANCE OF THE TRANSIENT RECEPTOR POTENTIAL CANONICAL 1 (TRPC1) CHANNEL IN THE MIGRATION AND PROLIFERATION OF FOLLICULAR ML-1 THYROID CANCER CELLS

<u>Asghar MY</u>¹, Magnusson M¹, Kemppainen K¹, Bergelin N², Törnquist K^{1,2}

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P107 THE USE OF PGLA NANOPARTICLES AS A DELIVERY SYSTEM OF DIFFERENT ANTITUMOURAL DRUGS AS A CONTROL OF THE PROLIFERATION CELLS IN THE EPITHELIAL THYROID NEOPLASIAS

<u>Mato E</u>^{1,2,3}, Bordas A¹, Puras G⁴, Zararte J⁴, Hernández RM⁴, Igartua M⁴, González C^{1,2}, Bell O^{1,2}, Moral A⁵, Pérez JI⁵, Pedraz JL⁴, de Leiva A^{1,2}

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P108 MOLECULAR EPIDEMIOLOGY STUDY OF CHERNOBYL THYROID CANCER FROM BELARUS AND UKRAINE

<u>Saenko V</u>¹, Takahashi M², Rogounovitch Tl³, Akulevich NM⁴, Drozd VM⁴, Danilova Ll⁴, Lushchyk ML⁴, Demidchik YE⁴, Bogdanova Tl⁵, Tronko MD⁵, Mitsutake N³, Takamura N⁶, Matsuda F², Yamashita S^{1,3}

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P109 THYROCYTE IS PARTICULARLY WELL PROTECTED AGAINST OXIDATIVE STRESS INDUCED BY H2O2

<u>Ghaddhab C</u>¹, Hancisse O¹, Versteyhe S¹, Driessens N¹, Dumont JE¹, Miot F¹, Corvilain B¹
¹ULB, Brussels, Belgium

P110 α-LIPOIC ACID INHIBITS EPITHELIAL TO MESENCHYMAL TRANSITION IN THYROID CANCER CELLS

<u>Kim WG</u>¹, Choi H-J², Han JM¹, Kim TY¹, Shong YK¹, Kim WB¹

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P111 CELLULAR ABSORPTION OF SUPERPARAMAGNETIC IRON OXIDE NANOPARTICLES IN HUMAN THYROID CANCER (FB3) AND FIBROBLASTIC CELL LINES (NHDF): IN VITRO STUDY

<u>Pasqualetti G</u>¹, Di Bari L², Ursino S³, Lenzi P⁴, Tognini S³, Polini A³, Vitulli G², Vantaggiato C³, Barbaro D⁵, Fornai F⁴, Salvatori P², Monzani F³

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P112 AFTER 20 YEARS, RET GENETIC SCREENING STILL INDENTIFIES NEW GERMILINE AND SOMATIC MUTATIONS

<u>Tacito A</u>¹, Romei C¹, Vivaldi A¹, Ciampi R¹, Matrone A¹, Bottici V¹, Cappagli V¹, Elisei R¹

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P113 MISSENSE POLYMORPHISMS IN XIAP-ASSOCIATED FACTOR 1 (XAF1) AND RISK OF PAPILLARY THYROID CANCER IN KOREAN POPULATION: CORRELATION WITH CLINICOPATHOLOGIC FEATURES

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P114 LESS INTRATUMORAL MICROVESSELS AND MORE NUMEROUS PERITUMORAL LYMPHATIC VASCULATURE IN RECURRENT THYROID CANCERS

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P115 PARVOVIRUS B 19 AS AN ETIOLOGICAL AGENT OF PAPILLARY THYROID CANCER IN A KOREAN POPULATION

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PO13 Thyroid Cancer Diagnostics 2

Chair: Ulla Feldt-Rasmussen, Germany

P116 CORRELATION OF THE PRESURGICAL DIAGNOSIS OF FOLLICULAR VARIANT OF PAPILLARY THRYOID CANCER WITH THE DISEASE STATUS AFTER 10 YEARS OF FOLLOW UP

<u>Giani C</u>¹, Torregrossa L², Angeli M¹, Molinaro E¹, Cacciato Insilla A², Materazzi G², Marchetti I³, Basolo F², Miccoli P², Di Coscio G³, Elisei R¹

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P117 IDENTIFICATION OF SOMATIC MUTATIONS BY MATRIX-ASSISTED LASER DESORPTION IONIZATION TIME-OF-FLIGHT MASS SPECTROMETRY IN FINE NEEDLE ASPIRATION OF PAPILLARY THYROID CANCER

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P118 CLINICAL PREDICTORS OF PERSISTENT DISEASE IN PATIENTS WITH BRAFV600E MUTATED PAPILLARY THYROID CANCER (PTC)

<u>Repaci A</u>¹, Vicennati V¹, Paccapelo A¹, Cavicchi O², Monari F³, Mazzarotto R³, Tallini G⁴, Altimari A⁵, Gruppioni E⁵, Fiorentino M⁵, Pasquali R¹

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P119 THE EVALUATION OF SALIVARY GLAND DYSFUNCTION AFTER I-131 THERAPY IN PATIENTS FOLLOWING TOTAL THYROIDECTOMY

<u>Kim D-Y</u>¹, Hong IK¹, An JY², Lee KM², Kim EJ²

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P120 THE DISCORDANCE BETWEEN PRE-OPERATIVE AND POST-OPERATIVE BRAF MUTATION ANALYSIS OF PAPILLARY THYROID CANCER BY US-GUIDED FNA: ULTRASOUND FEATURES

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P121 DO CHARACTERISTICS OF PAPILLARY THYROID CARCINOMAS CORRELATE WITH PREOPERATIVE SERUM TSH CONCENTRATIONS?

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P122 BASAL THYROGLOBULIN LEVELS MAY PREDICT RECURRENT AND PERSISTENT DISEASE IN DIFFERENTIATED THYROID CANCER (DTC)

Aydoğan Bi¹, E<u>rdogan MF</u>¹, Öztürk B¹, Özkan E², Şahin M¹, Emral R¹, Küçük Ö², Çorapçıoğlu D¹, Başkal N¹, Uysal AR¹, Güllü S¹ Ankara University School of Medicine, Endocrinology and Metabolism Diseases, Ankara, Turkey, ²Ankara University School of Medicine, Nuclear Medicine, Ankara, Turkey

P123 SILENT BONE METASTASES FROM DIFFERENTIATED THYROID CANCER – A STUDY ON INCIDENCE AND OUTCOME OF TREATMENT

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P124 VERY RARE METASTASES IN DIFFERENTIATED THYROID CANCER: DIAGNOSIS WITH 18F FDG PET/CT OR 131I SPECT/CT IMAGING; ON BEHALF OF THE FRENCH TUTHYREF (TUMEURS DE LA THYROIDE REFRACTAIRES) NETWORK

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PO14 Thyroid Nodules and Goitre 1

Chair: Laszlo Hegedüs, Denmark

P125 MCL-1 UPREGULATION AND P27 DOWNREGULATION DIFFERENTIATE THE PATHOGENESIS OF PAPILLARY THYROID CARCINOMA AND BENIGN THYROID NODULES: CLINICAL, SCINTIGRAPHY AND SONOGRAPHIC CORRELATIONS

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P126 THE EFFECT OF HEMITHYROIDECTOMY FOR BENIGN EUTHYROID GOITER ON THE MITOCHONDRIAL MEMBRANE POTENTIAL OF PERIPHERAL MONONUCLEAR BLOOD CELLS

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P127 AN OPEN-LABEL, RANDOMIZED, CONTROLLED STUDY OF THE EFFECTIVENESS AND SAFETY OF A HIGH INTENSITY FOCUSED ULTRASOUND DEVICE COMPARED WITH OBSERVATION IN PATIENTS WITH NON-MALIGNANT COLD THYROID NODULES

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P128 ASSOCIATION BETWEEN REAL-TIME NODULE ELASTOGRAPHY AND CLASSICAL MALIGNANCY RISK MARKERS BY ULTRASONOGRAPHY IN A REAL LIFE CLINICAL SETTING – A PROSPECTIVE PATIENT STUDY BEFORE THYROID SURGERY

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P129 THE ROLE OF BETHESDA CYTOLOGICAL CLASSIFICATION SYSTEM AND SONOGRAPHIC PARAMETERS TO DISCRIMINATE BENIGN AND MALIGNANCY IN THYROID NODULES ≥3CM

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P130 EFFICACY, SAFETY AND COSTS OF THERMAL ABLATION WITH RADIOFREQUENCY COMPARED TO SURGERY FOR THE TREATMENT OF BENIGN THYROID NODULES

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P131 THIAMAZOL INCREASES IODINE UPTAKE AND ALLOWS A REDUCTION OF RADIOIODINE DOSE NEEDED TO TREAT SUBCLINICAL HYPERTHYROIDISM IN PATIENTS WITH MULTINODULAR GOITER

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P132 TWO NOVEL FORMULATIONS OF L-T4 (ORAL SOLUTION AND SOFT GEL CAPSULE) ARE REFRACTORY TO THE COFFEE-INDUCED INTESTINAL MALABSORPTION OF TABLET L-T4

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PO15 Thyroid Cancer Therapeutics 2

Chair: Alicja Hubalewska-Dydejczyk, Poland

P133 BASELINE AGGRESSIVENESS AND LONG-TERM OUTCOME OF PAPILLARY THYROID CANCER IN PATIENTS WITH OR WITHOUT POSITIVE CIRCULATING ANTITHYROGLOBULIN ANTIBODY TITRE: RESULTS FROM A MULTICENTER, RETROSPECTIVE ANALYSIS

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P134 PREDICTION OF RISK FOR SYMPTOMATIC SIALADENITIS BY POST-THERAPEUTIC DUAL ¹³¹I SCINTIGRAPHY IN PATIENTS WITH DIFFERENTIATED THYROID CANCER

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P135 TREATMENT OF PATIENTS WITH PATHOLOGY PROVEN HÜRTHLE CELL THYROID CARCINOMA WITH PEPTIDE RECEPTOR RADIONUCLIDE THERAPY USING THE RADIOACTIVE SOMATOSTATIN ANALOGUE [LU-177-DOTA0, TYR3]OCTREOTATE

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P136 CLINICAL SIGNIFICANCE OF DELPHIAN LYMPH NODE METASTASIS IN PAPILLARY THYROID CARCINOMA

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P137 THE PREDICTION OF PATIENTS, UNNECESSARY OF STIMULATED THYROGLOBULIN TEST IN THE LONG TERM MANAGEMENT OF DIFFERENTIATED THYROID CARCINOMA

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P138 **DIFFERENTIATED THYROID CANCER LOCALIZED IN**THE THYROID ISTHMUS: IS THERE ANY SPECIFICITY?

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P139 LEVEL OF THYROGLOBULIN (TG) IN PATIENT WITH PAPILLARY THYROID CARCINOMA (PTC) RECEIVED RADIO IODINE (RAI) ABLATION THERAPY

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P140 PYRAMIDAL LOBE DIFFERENTIATED THYROID CARCINOMA: A RARE AND ATYPICAL LOCALIZATION

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P141 FOLLOW-UP OF CHILDREN WITH DIFFERENTIATED THYROID CANCER: AN INSTITUTIONAL EXPERIENCE

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PO16 Case Reports 2

Chair: Bojan Lozanov, Bulgaria

P142 FIRST DESCRIPTION OF A PATIENT WITH CONGENITAL GOITROUS HYPOTHYROIDISM DUE TO SODIUM/IODIDE SYMPORTER (NIS) DEFECT AND THYROID CANCER

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P143 A NEW TSHR VARIANT (L665F) AS THE MOLECULAR CAUSE FOR NON-AUTOIMMUNE HYPERTHYROIDISM IN AN AUSTRIAN FAMILY

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P144 REVERSIBLE CEREBRAL AND CEREBELLAR ATROPHY IN A PATIENT WITH HYPOTHYROIDISM

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P145 GRAVES' DISEASE IN AN ADULT WITH CONGENITAL HYPOTHYROIDISM

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P146 POST-PARTY PARALYSIS (PPP)?

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P147 THYROTOXICOSIS DURING PREGNANCY, COMPLICATED BY ALLERGIES TO ANTI-THYROID DRUGS

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P148 PRIMARY THYROID LYMPHOMA: A CASE REPORT

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P149 STRESS INDUCED GRAVES' DISEASE: A CASE REPORT HIGHLIGHTING THE PRE AND POSTOPERATIVE IMPLICATIONS OF SUBCLINICAL THYROTOXICOSIS

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P150 TOXIC ADENOMA A RISK FACTOR FOR THYROTOXIC HEART FAILURE

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PO17 Clinical Thyroidology 2

Chair: Joao de Castro, Portugal

P151 THYROID-STIMULATING HORMONE AND THYROID VOLUME IN OBESE SUBJECTS

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P152 THE GASTROINTESTINAL ABSORPTION OF IODINE IS NOT REDUCED AFTER MALABSORPTIVE BARIATRIC PROCEDURES

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P153 TREATMENT OF CENTRAL HYPOTHYROIDISM WITH RECOMBINANT HUMAN TSH – A PILOT STUDY

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P154 POLYMORPHISM SER49GLY β1-ADRENORECEPTOR GENE AND FREQUENCY OF SUPRAVENTRICULAR ARRHYTHMIAS IN PATIENTS WITH THYREOTOXICOSIS

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P155 **SELENIUM SUPPLEMENTATION IN EUTHYROID PATIENTS WITH AUTOIMMUNE THYROIDITIS. A PILOT CONTROLLED STUDY**

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P156 INFLUENCES ON SKIN MICROCIRCULATION IN HYPERTHYROID PATIENTS WITH GRAVES' DISEASE

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P157 Poster has been withdrawn

P158 CONCOMITANT THYROID AND THYMIC EXERESIS IN SURGERY OF HYPERPARATHYROIDISM

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PO18 Environmental Influences on Thyroid Function

Chair: Leonidas Duntas, Greece

P159 PREVIOUS PREGNANCY IS A MAJOR RISK FACTOR FOR AUTOIMMUNE HYPOTHYROIDISM IN YOUNG WOMEN – A POPULATION-BASED CASE-CONTROL STUDY

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P160 INCREASED INCIDENCE OF THYROID DISORDERS IN ADULT POPULATION OF UKRAINE AFTER THE CHERNOBYL NPP ACCIDENT IS RELATED TO COMPLEX HORMONAL PATHWAYS

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P161 INFLUENCE OF EXCESSIVE IODINE INTAKE ON THYROID FUNCTION AND PREVALENCE OF THYROID ABNORMALITIES IN ADULT POPULATION IN SVERDLOVSK REGION OF RUSSIA

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P162 INTERACTION OF SERUM COPPER WITH THYROID HORMONES IN POSTMENOPAUSAL WOMEN

<u>Rijntjes</u> E^1 , Pietschmann N^1 , Gogakos A^2 , Hoeg A^1 , Reid D^3 , Gluer C^4 , Murphy E^2 , Felsenberg D^5 , Roux C^6 , Eastell R^7 , Williams G^2 , Schomburg L^1

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P163 PITFALLS OF THYROID SCREENING IN CHILDREN AFTER NUCLEAR POWER PLANT ACCIDENT IN FUKUSHIMA, JAPAN

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P164 THYROID FUNCTION IN HEALTHY SUBJECTS AND IN EUTHYROID PATIENTS WITH HASHIMOTO'S THYROIDITIS THREE YEARS BEFORE AND THREE YEARS AFTER INCREASE IN MANDATORY SALT IODIZATION

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P165 THYROID DISORDERS AND KIDNEY TRANSPLANTATION

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P166 AUTOIMMUNE THYROIDITIS IN PATIENTS WITH MULTIPLE SCLEROSIS TREATED WITH INTERFERON-BETA

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PO19 Hyperthyroidism 2

Chair: Chantal Daumerie, Belgium

P167 YOUNGER AND LESS HYPERTHYROID PATIENTS WITH GRAVES' DISEASE ARE MORE SUCCESSFULLY TREATED WITH THE FIRST DOSE OF RADIOIODINE

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P168 INCREASING THE RADIOIODINE DOSE DOES NOT IMPROVE CURE RATES IN SEVERE GRAVES' HYPERTHYROIDISM: A CLINICAL TRIAL WITH HISTORICAL CONTROL

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P169 EFFECTS OF THIAMAZOLE, METOPROLOL, AND VITAMIN E ON OXIDATIVE STRESS IN GRAVES' DISEASE PATIENTS

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P170 POTENTIAL CAPABILITIES OF MINIMALLY INVASIVE APPROACH IN THE SURGICAL TREATMENT OF GRAVES' DISEASE

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P171 SUSTAINED INCREASE OF SERUM ADIPONECTIN FOLLOWING ADMINISTRATION OF RADIOIODINE IN TREATMENT OF THYROTOXICOSIS

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P172 THE TIME-LAG BETWEEN THE ONSET OF SYMPTOMS AND THE APPEARANCE OF ABNORMAL LABORATORY FINDINGS IN THE PATIENTS WITH SUBACUTE THYROIDITIS

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P173 GRAVES' DISEASE TREATMENT WITH FIXED ACTIVITY OF RADIOIODINE

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P174 A WEB-BASED CLINICAL TRIAL MANAGEMENT SYSTEM FOR A PRAGMATIC MULTI-CENTER TRIAL OF SELENIUM SUPPLEMENTATION VERSUS PLACEBO IN PATIENTS WITH GRAVES' DISEASE

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P175 THYROTROPIN-PRODUCING PITUITARY TUMOURS – A CHALLENGE FOR ENDOCRINOLOGIST AND NEUROSURGEON

Kostecka-Matyja M¹, Fedorowicz A¹, <u>Hubalewska-Dydejczyk A</u>¹Chair and Department of Endocrinology, Jagiellonian University College of Medicine, Krakow, Poland

PO20 Hypothyroidism

Chair: Marek Niedziela, Poland

P176 CHANGES IN T3 THERAPY RELATED QOL IN HYPOTHYROID PATIENTS IS NO SIGNIFICANTLY ASSOCIATED TO POLYMORPHISM IN DIO2, DIO1, MCT10, PDE8B OR SLC 16A10 GENES

<u>Nygaard B</u>¹, Steffensen R², Faber J¹, Kvetney J³, Jarloev A⁴, Jensen EW¹, Laurberg P⁵

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P177 PREVALENCE OF HYPOTHYROIDISM AMONG CHILDREN AND ADOLESCENTS WITH DIABETES MELLITUS

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P178 THE INCIDENCE OF THYROID DYSFUNCTION IN EUROPE: A META-ANALYSIS

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P179 QUALITY OF LIFE AND EMOTIONAL STATUS OF PATIENTS WITH HYPOTHYROIDISM DUE TO RADIOIODINE TREATMENT OR SURGERY

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P180 COMPARATIVE EFFECTIVENESS OF REPLACEMENT THERAPY WITH L-THYROXINE IN WOMEN WITH POSTOPERATIVE AND AUTOIMMUNE HYPOTHYROIDISM

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P181 QUALITY OF LIFE AND THE PSYCHOEMOTIONAL STATUS OF THE PATIENTS WHO HAVE RECEIVED RADICAL TREATMENT OF GRAVES' DISEASE

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P182 THE QUALITY OF LIFE AND PSYCHO-EMOTIONAL STATUS OF PATIENTS WITH LOW AND UPPER-NORMAL LEVELS OF TSH

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P183 SLEEP APNEA, MYOPATHY, HYPOTHYROIDISM: CASE REPORT

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Tuesday, 10th September 2013

Poster Exhibition Area

12.00-13.00

Poster Session 3

PO21 Thyroid Cancer Diagnostics 3

Chair: Kalliopi Pazaitou-Panayiotou, Greece

P184 EARLY POSTOPERATIVE VOCAL FUNCTION EVALUATION AFTER THYROIDECTOMY USING THYROIDECTOMY RELATED VOICE QUESTIONNARE

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P185 HIGH THYROGLOBULIN LEVELS AT REMNANT ABLATION MAY PREDICT RECURRENT/PERSISTENT DISEASE IN DIFFERENTIATED THYROID CANCER(DTC)

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P186 REVIEW OF CLINICAL AND PATHOLOGICAL FEATURES OF THYROID CARCINOMA FROM FOLLICULAR ORIGIN IN CHILDREN FROM SOUTH PORTUGAL REGIONAL CANCER REGISTRY BETWEEN 1964 AND 2006

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P187 OUR EXPERIENCES OF TRI-ANNUAL THYROID FINE-NEEDLE ASPIRATON BIOPSIES AT THE DOUBLE-HEAD CENTER IN AN ENDEMIC AREA: THE RETROSPECTIVE DESCRIPTIVE CYTOPATHOLOGICAL ANALYSIS OF 1196 CASES

Findik Guvendi G^1 , <u>Sengul D</u>², Sengul I^3 , Oksuz H^1 , Guvendi B^4 , Akgedik S^1 , Maras Ozdemir Z^5 , Erverdi B^5 , Ozhan C^5 , Gurgen F^5 , Duzcu S^5 , Yilmaz ZC^5

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P188 PREDICTION OF MALIGNANCY IN PATIENTS WITH SUSPICIOUS THYROID NODULE IN THE BACKGROUND OF HETEROGENEOUS PARENCHYMA

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P189 ECHOGRAPHIC, CYTOLOGICAL AND HISTOLOGICAL CHARACTERISTICS OF THYROID FOLLICULAR TUMOR

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P190 RETROSPECTIVE VALUE OF THE ECHOGRAPHIC PICTURE OF THYROID PAPILLARY CARCINOMA

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P191 **PAPILLARY THYROID CARCINOMA PRESENTING SPONGIFORM OR PREDOMINANTLY CYSTIC NODULE**

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P192 THYROID PAPILLARY CARCINOMA: ECHOGRAPHIC PICTURE

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PO22 Thyroid Cancer Diagnostics 4

Chair: Valeriano Leite, Portugal

P193 THE IMPORTANT ROLE OF PREOPERATIVE ULTRASOUND AND CT FINDINGS OF THE PRIMARY TUMOR IN PREDICTING THE CERVICAL LYMPH NODE METASTASES OF PAPILLARY THYROID CARCINOMAS

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P194 PREOPERATIVE ULTRASOUND, FINE NEEDLE ASPIRATION CITOLOGY AND TG IN ASPIRATES IN THE ASSESSMENT OF LATERAL LYMPH NODES IN PATIENTS WITH PAPILLARY THYROID CARCINOMA

<u>Sisko Markos I</u>¹, Franceschi M¹, Jukic T¹, Stanicic J¹, Petranovic Ovcaricek P¹, Granic R¹, Punda M¹, Lukinac L¹, Kusic Z¹ ¹University Hospital Center Sestre Milosrdnice, Department of Nuclear Medicine and Oncology, Zagreb, Croatia

P195 **DIAGNOSIS OF THYROID NODULES BY MEANS OF FINE-NEEDLE ASPIRATION CYTOLOGY, RESEARCH RESULTS**

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P196 PREDICTORS OF MALIGNANCY IN THYROID NODULES WITH CYTOLOGICAL DIAGNOSIS OF FOLLICULAR NEOPLASM

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P197 THYROID CANCER IN GRAVES' DISEASE PATIENTS

<u>Chinchuk I</u>¹, Sleptsov I², Isheiskaya M¹, Chernikov R¹, Semenov A¹, Makarin V¹, Novokshonov K¹, Uspenskaya A¹, Bubnov A¹, Fedotov Y¹, Karelina Y¹

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P198 FALSE POSITIVE IODINE-131 SCAN IN A PATIENT WITH DIFFERENTIATED THYROID CARCINOMA AND CHRONIC INFLAMMATORY LUNGS DISEASE

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P199 DIAGNOSIS OF PAPILLARY CANCER BY MEASUREMENT OF THYROGLOBULIN IN FINE NEEDLE ASPIRATES: CLINICAL CASES

<u>Ribeiro C</u>¹, Paiva S¹, Gouveia S¹, Melo M¹, Martins MJ², <u>Fernandes G</u>², Leitão F³, Carrilho F¹

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P200 ANAPLASTIC CARCINOMA AND TOXIC MULTINODULAR GOITER, AN UNUSUAL PRESENTATION

 $\underline{\mathit{Marcelino\ M}}^1$, $\mathit{Marques\ P}^2$, $\mathit{Lopes\ L}^1$, $\mathit{Leite\ V}^2$, $\mathit{de\ Castro\ JJ}^1$ 1 Armed Forces University Hospital, Endocrinology, Lisbon, Portugal, 2 Portuguese Cancer Institute, Endocrinology, Lisbon, Portugal

P201 REVIEW OF PAPILLARY THYROID CARCINOMA VARIANTS: IMAGING, PATHOLOGICAL AND CLINICAL CORRELATION

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PO23 Thyroid Cancer Therapeutics 3

Chair: Françoise Borson-Chazot, France

P202 BRAF^{V600E} MUTATION IN PATIENTS WITH PAPILLARY THYROID CARCINOMA CONCURRENT WITH HASHIMOTO THYROIDITIS

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P203 LONG TERM UTILITY OF INJECTION LARYNGOPLASTY IN THE MANAGEMENT OF PERMANENT POST-THYROIDECTOMY VOCAL FOLD PARALYSIS – PROSPECTIVE STUDY

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P204 SIALENDOSCOPY FOR DYSFUNCTIONS OF SALIVARY GLANDS AFTER RADIOACTIVE IODINE THERAPY

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P205 LEARNING CURVE FOR GASLESS ENDOSCOPIC THYROIDECTOMY USING THE TRANS-AXILLARY APPROACH: CUSUM ANALYSIS OF A SINGLE SURGEON'S EXPERIENCE

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P206 COMPARATIVE ANALYSIS OF THE CENTRAL NODE METASTASIS BETWEEN WITH OR WITHOUT CHRONIC LYMPHOCYTIC THYROIDITIS IN PAPILLARY THYROID CANCER

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P207 **PROSPECTIVE STUDY ON SUTURELESS AND DRAINLESS OPEN THYROIDECTOMY USING ULTRASONIC COAGULATOR: PRELIMINARY STUDY**

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P208 ROBOTIC THYROID SURGERY USING BILATERAL AXILLO-BREAST APPROACH: A SINGLE SURGEON'S EXPERIENCE AND OUTCOME WITH THE FIRST 200 CASES

<u>Kim WW</u>¹, Kang JG¹, Choi HH¹, Hwang SO¹, Jung JH¹, Park HY¹ ¹Kyungpook National University, Daegu, Republic of Korea

P209 **COMPARISON STUDY BETWEEN HARMONIC FOCUS® AND LIGASURE® IN OPEN THYROIDECTOMY: A PROSPECTIVE, RANDOMIZED STUDY**

<u>Kim WW</u>¹, Kang JG¹, Choi HH¹, Hwang SO¹, Jung JH¹, Park HY¹ ¹Kyungpook National University, Daegu, Republic of Korea

P210 SURGICAL SURVIVAL FIGURES FOR THYROID CANCER IN THE NORTHERN AND WEST YORKSHIRE REGIONS OF THE UNITED KINGDOM: IMPROVEMENTS AFTER TEN YEARS?

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PO24 Thyroid Cancer Therapeutics 4

Chair: Lionel Groussin, France

P211 TRANSORAL ENDOSCOPIC THYROIDECTOMY VIA THE TRI-VESTIBULAR ROUTE: RESULTS OF A PRECLINICAL CADAVER FEASIBILITY STUDY

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P212 SHORTERM CHANGES OF ELECTROLYTES AND PARATHYROID HORMONE IN PERMANENT HYPOCALCEMIA AFTER TOTAL THYORIDECTOMY IN PAPILLARY THYROID CANCER

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P213 EXPERIENCE WITH THE USE OF RECOMBINANT HUMAN THYROTROPIN (RHTSH) IN FOLLOW-UP OF DIFFERENTIATED THYROID CARCINOMA AND THERAPY OF METASTATIC DISEASE

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P214 HEMITHYROIDECTOMY IN PAPILLARY THYROID MICROCARCINOMA WITH THYROIDITIS INCREASES THE RISK OF POSTOPERATIVE HYPOTHYROIDISM

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P215 UTILITY OF RECOMBINANT HUMAN TSH TO FACILITATE RADIO-IODINE UPTAKE BY LUNG METASTASES WHEN PITUITARY FAILS TO PRODUCE ENDOGENOUS TSH

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P216 VISUAL AND QUANTITATIVE EVALUATION OF POSTOPERATIVE RADIOIODINE ABLATION WITH I-131 WITH 1850MBQ IN PATIENTS WITH DIFFERENTIATED THYROID CANCER

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P217 THE CLINICAL FEATURES IN PATIENTS WITH POORLY DIFFERENTIATED THYROID CARCINOMA

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P218 THYROID CANCER RATE IN PATIENTS WHO UNDERWENT TOTAL THYROIDECTOMY WITH THE DIAGNOSIS OF TNG

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PO25 Case Reports 3

Chair: Valentin Fadayev, Russia

P219 COMBINED THYROID DYSFUNCTION IN PATIENTS WITH ACROMEGALY

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P221 MASSIVE PERICARDIAL EFFUSION: MYXEDEMA OR SOMETHING MORE?

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P222 ALOPECIA AREATA AFTER RADIOIODINE TREATMENT OF BONE METASTASES FROM THYROID FOLLICULAR CARCINOMAS

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P223 THYROTROPIN SECRETING ADENOMA AND THYROID HORMONE RESISTANCE: TWO CASES

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P224 FAMILIAL PAPILLARY THYROID CARCINOMA: AGGRESSIVE TREATMENT OR CAREFUL SURVEILLANCE?

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P225 VANISHING BRAIN METASTASES FOLLOWING RADIO-IODINE THERAPY IN I-131 SCAN AS WELL AS IN MAGNETIC RESONANCE IMAGING – A RARE OCCURRENCE

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P226 AUTOIMMUNE HYPO TO HYPERTHYROIDISM, A RARE EVOLUTION

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P227 CLINICAL CASE – RADIOTHERAPY IN ENDOCRINE OPHTHALMOPATHY

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PO26 Imaging

Chair: Markus Luster, Germany

P228 IDO1 (INDOLEAMINE-2,3-DIOXYGENASE 1) INHIBITION DECREASES PROLIFERATION OF FOLLICULAR THYROID CARCINOMA-DERIVED FTC133 CELLS: IN VITRO AND IN VIVO DATA

Moretti S¹, Menicali E¹, Voce P¹, <u>Puxeddu E</u>¹
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P229 FDG POSITIVE, IODINE NEGATIVE PATIENTS ARE STRONGLY ASSOCIATED WITH A POSITIVE TG DOUBLING TIME, HOWEVER, THE 'FLIP-FLOP' PHENOMENON IN DIFFERENTIATED THYROID CARCINOMA IS OFTEN INCOMPLETE

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P230 ACCURACY AND OBSERVER VARIATION OF THE ASSESSMENT OF THYROID RADIOIODINE UPTAKE AND GOITER SIZE BY VISUAL INTERPRETATION OF THYROID SCINTIGRAMS

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P231 METASTASES TO THE THYROID GLAND; US CLASSIFICATION ACCORDING TO ORIGINAL MALIGNANCIES

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P232 Poster has been withdrawn

P233 PRINCIPLES OF PROPER APPLICATION OF ULTRASOUND (US) AND A FINE-NEEDLE ASPIRATION BIOPSY (FNAB) IN PATIENTS WITH NODULES/US FOCAL LESIONS OF THE THYROID GLAND

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P234 GRAY SCALE ULTRASONOGRAPHY IN DETECTING NEOPLASTIC THYROID NODULES. IS IT USEFUL?

Aslan A^{1,2}, <u>Sancak S^{3,4}</u>, Aslan M^{2,5}, Buğdaycı O⁶, Güllüoğlu B⁷, Ahıskalı RA⁸, Akalın NS⁴, Arıbal ME²

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P235 ¹³¹I SPECT/CT FALSE POSITIVE IMAGES IN DIFFERENTIATED THYROID CANCER, OR HOW TO DISTINGUISH BETWEEN PHYSIOLOGICAL AND PATHOLOGICAL UPTAKE? ON BEHALF OF THE FRENCH TUTHYREF (TUMEURS DE LA THYROIDE REFRACTAIRES) NETWORK

Méas T^1 , Godbert Y^2 , Kelly A^3 , Schvartz C^4 , Ciappuccini R^5 , Faugeron L^1 , Toubert M- L^1

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P236 ULTRASOUND RISK STRATIFICATION OF THYROID FOLLICULAR NEOPLASMS

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P237 NON-DIAGNOSTIC RESULTS OF FINE NEEDLE ASPIRATION CYTOLOGY OF THYROID NODULES

<u>Jacobs S</u>¹, van Nederveen F^2 , Burger P^2 , Peeters R^2 , Vernooij M^2 , van der Lugt A^2

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PO27 Thyroid Hormone Metabolism and Action

Chair: Maria Jesus Obregòn, Spain

P238 HISTOPATHOLOGICAL ANALYSIS OF MCT8-DEFICIENT HUMAN BRAINS

Lopez-Espindola D^{1,2}, Morales-Bastos C³, Refetoff S⁴, Lev D⁵, Sugo E⁶, Bernal J^{1,7}, Guadaño-Ferraz A¹

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P239 ALTERED THYROID HORMONE METABOLISM IN THE PREMATURELY AGING KLOTHO MUTANT MICE

<u>Doycheva</u> D^1 , Laubscher U^1 , Darras VM^2 , Boelen A^3 , Zevenbergen C^4 , Visser WE^4 , Visser TJ^4 , Kuro-o M^5 , Kaether C^1 , Heuer H^1

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P240 TSH EFFECTS ON THERMOGENESIS IN RAT BROWN ADIPOCYTES

Martinez-de-Mena R¹, Anedda A², Cadenas S², <u>Obregon M-J</u>¹ CSIC, Fisiopatologia Endocrina, Madrid, Spain, ²Hospital de la Princesa, Madrid, Spain

P241 SIMULTANEOUS ANALYSIS OF ALL NINE POSSIBLE IODOTHYRONINES BY LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY

Köhrle J¹, Martin C², Renko K¹, <u>Hoefig CS^{1,3}</u>

¹Charité-Universitätsmedizin Berlin, Institut für experimentelle Endokrinologie, Berlin, Germany, ²Waters GmbH, Eschborn, Germany, ³Karolinska Institute, Department of Cell & Molecular Biology, Stockholm, Sweden

P242 **DIVERSE ASPECTS OF 3-T1AM INDUCED SIGNALING AT HUMAN AND MOUSE TRACE AMINE-ASSOCIATED RECEPTOR 5 (TAAR5)**

<u>Mühlhaus J</u>¹, Pratzka J¹, Piechowski CL¹, Krude H¹, Grüters-Kieslich A¹, Köhrle J², Kleinau G¹, Biebermann H¹

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P243 TISSUE-SPECIFIC FUNCTION OF THE MURINE THYROID HORMONE TRANSPORTER MCT8

Horn S¹, Müller J¹, Liebsch C¹, Visser TJ², Heuer H¹

Leibniz Institute for Age Research / Fritz Lipmann Institute (FLI), Jena, Germany, ²Erasmus Medical Center, Erasmus University, Internal Medicine, Rotterdam, Netherlands

P244 TRANSCRIPTIONAL ACTIVITY OF A TRE IN THE HUMAN KLF9 PROMOTER

Moeller LC¹, Saygün G¹, Jaeger A¹, Führer D¹
¹University Duisburg-Essen, Endocrinology and Metabolism, Essen, Germany

P245 A NOVEL HPLC-MS-MS METHOD TO ASSAY TISSUE THYROID HORMONES

Saba A¹, Colligiani D¹, Donzelli R¹, Chiellini G¹, Nannipieri M¹, Kusmic C², Dos Remedios C³, Simonides W⁴, Iervasi G², <u>Zucchi R</u>¹

¹University of Pisa, Pisa, Italy, ²CNR Institute of Clinical Physiology, Pisa, Italy, ³University of Sydney, Sydney, Australia, ⁴VU University Medical Center, Amsterdam, Netherlands

P246 ESTABLISHMENT OF A COMPETITIVE CHEMILUMINESCENCE IMMUNOASSAY TO DETECT 3,5-DIIODO-L-THYRONINE IN HUMAN SERUM

<u>Lehmphul I</u>¹, Wu Z², Strasburger CJ², Köhrle J¹

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Experimentelle Endokrinologie, Berlin, Germany, ²Charité – Universitätsmedizin Berlin, Department of Medicine for Endocrinology, Diabetes and Nutritional Medicine, Berlin, Germany

P247 EXPRESSION AND LOCALIZATION OF TRACE AMINE-ASSOCIATED RECEPTORS IN RODENT THYROID EPITHELIAL CELLS WITH ALTERED ACTIVITIES OF THE THYROGLOBULIN-PROCESSING CYSTEINE CATHEPSINS B, K, AND L

Qatato M^1 , Szumska J^1 , Venugopalan V^1 , Rehders M^1 , Mc Innes J^1 , Oellrich N^1 , Pratzka J^2 , Saftig P^3 , Peters C^4 , Reinheckel T^4 , Führer D^5 , Biebermann H^2 , $\underline{Brix} K^1$

¹Jacobs University Bremen, School of Engineering and Science, Bremen, Germany, ²Charité – Universitätsmedizin Berlin, Institut für Experimentelle Pädiatrische Endokrinologie, Berlin, Germany, ³Christian-Albrechts Universität zu Kiel, Institute of Biochemistry, Kiel, Germany, ⁴Albert-Ludwigs-Universität Freiburg, Institut für Molekulare Medizin und Zellforschung, Freiburg, Germany, ⁵Universitätsklinikum Essen, Klinik für Endokrinologie und Stoffwechselerkrankungen, Essen, Germany

P248 HOMOLOGY MODEL OF THE L-TYPE AMINO ACID TRANSPORTER LAT2 FOR ELUCIDATING THE STRUCTURE-FUNCTION RELATIONSHIPS OF SUBSTRATE TRANSPORT

<u>Hinz K^1 </u>, Kinne A^1 , Krause G^1

¹Leibniz-Institut für Molekulare Pharmakologie, Berlin, Germany

P249 COLLECTING MULTIPLE URINARY IODINE CONCENTRATION SAMPLES FROM EACH PARTICIPANT IN POPULATION SURVEYS – IS IT WORTH IT?

Samidurai AJ1, Davies PSW1, Ware RS2,3

¹Childrens Nutrition Research Centre, Queensland Children's Medical Research Institute, The University of Queensland, Brisbane, Australia, ²Queensland Children's Medical Research Institute, The University of Queensland, Brisbane, Australia, ³School of Population Health, The University of Queensland, Brisbane, Australia

PO28 Medullary Thyroid Cancer

Chair: Laura Fugazzola, Italy

P250 WHOLE EXOME SEQUENCING OF MEDULLARY THYROID CARCINOMA CASES IDENTIFIES 86 VARIATIONS IN GENES POSSIBLY INVOLVED IN TUMORAL TRANFORMATION

<u>Ciampi R</u>¹, Lami P¹, Romei C¹, Tacito A¹, Vivaldi A¹, Vitti P¹, Elisei R¹

¹Pisa, Department of Clinical and Experimental Medicine, Pisa, Italy

P251 LESS CANCER REOPERATIONS AFTER INITIAL SURGERY ACCORDING TO ATA GUIDELINES IN MEDULLARY THYROID CANCER

Verbeek HHG¹, Meijer JAA^{2,3}, Zandee WT³, Kramp KH¹, Sluiter WJ¹, Smit JW^{3,4}, Kieivt J⁵, Links TP¹, Plukker JTM⁶

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P252 ANTI-NEOPLASTIC ACTIVITY OF CLM3 AND CLM94, MULTI-TARGET PYRAZOLOPYRIMIDINE DERIVATES, IN MEDULLARY THYROID CANCER IN VITRO

<u>Fallahi P</u>¹, Ferrari SM¹, La Motta C¹, Di Domenicantonio A¹, Mancusi C¹, Materazzi G¹, Galleri D¹, Da Settimo F¹, Miccoli P¹, Antonelli A¹

¹University of Pisa, Pisa, Italy

P253 **COMBINED TREATMENT WITH EVEROLIMUS AND 5-AZA-2'-DEOXYCYTIDINE: A NEW THERAPEUTIC STRATEGY IN MEDULLARY THYROID CANCER**

<u>Dicitore A</u>¹, Gaudenzi G², Caraglia M³, Misso G³, Borghi MO^{2,4}, Hofland L⁵, Persani L^{1,2}, Vitale G^{1,2}

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P254 TIMING OF TOTAL THYROIDECTOMY IN RET GENE CARRIERS <18 YEARS OF AGE

Romei C¹, Bottici V¹, Opocher G², Mian C², Brandi ML³, Giusti F³, Loli P⁴, Castellano M⁵, Cappelli C⁵, Persani L⁶, Filetti S⁷, Fugazzola L⁶, Verga U⁶, degli Uberti E⁸, Zatelli MC⁸, Colao A⁹, Faggiano A⁹, Creminini N¹⁰, Taccaliti A¹¹, Boscaro M¹¹, Giorgino F¹², Orlandi F¹³, Elisei R¹, ItaMEN network ¹University of Pisa, Section of Endocrinology, Department of Clinical and Experimental Medicine, Pisa, Italy, ²Dept. of Medicine-DIMED, University of Padua, Padua, Italy, ³Unit of Metabolic Bone Diseases, Department of Surgery and Translational Medicine, University of Florence, Florence, Italy, ⁴Dept of Medical Specialties, Endocrinology Unit, Ospedale Niguarda Cà Granda, Milano, Italy, ⁵Dept of Clinical and Experimental Sciences, Internal Medicine and Endocrinology Unit, University of Brescia, Brescia, Italy, ⁶Dept. of Clinical Sciences and Community Health, University of Milan, Milan, Italy, ⁷Department of Internal Medicine and Medical Specialties, University of Rome 'Sapienza', Rome, Italy, 8Dept of Medical Sciences, University of Ferrara, Ferrara, Italy, ⁹Dept of Clinical Medicine and Surgery, 'Federico II' University of Naples, Naples, Italy, 10 Endocrinology Unit - Maggiore Hospital – Bologna, Bologna, Italy, ¹¹Dept. of Clinical and Molecular Science, Polytecnic University of Marche, Ancona, Italy, ¹²Dept of Emergenza e Trapianto di Organi, University of Bari, Bari, Italy, ¹³Dept of Oncology, University of Turin, Turin, Italy

P255 CLINICAL CHARACTERISTICS IN SPORADIC AND FAMILIAL MEDULLARY THYROID CARCINOMAS (MTCS) AT PRESENTATION ARE CURRENTLY SIMILAR

Alevizaki M¹, Saltiki K¹, Rentziou G¹, Athanasiadou A¹, Kyratzoglou E¹, Sarika L¹, Anastasiou E¹

¹Athens University School of Medicine, Endocrine Unit, Dept Medical Therapeutics, Athens, Greece

P256 RETROSPECTIVE ANALYSIS OF 140 CASES OF MEDULLARY THYROID CARCINOMA IN A SINGLE INSTITUTION

<u>Simões-Pereira J</u>¹, Silva Vieira M², Macedo D², Marques P², Moura M², Limbert E², Bugalho MJ², Leite V²

¹Instituto Português de Oncologia de Lisboa Francisco Gentil, Endocrinology, Lisbon, Portugal, ²Instituto Português de Oncologia de Lisboa Francisco Gentil, Lisbon, Portugal

P257 TWO GENETIC VARIANT IN THE 3'UTR OF THE RET PROTO-ONCOGENE ARE IN LINKAGE DISEQUILIBRIUM WITH S836S POLYMORPHISM IN PATIENTS WITH **MEDULLARY THYROID CARCINOMA**

Ceolin L¹, Siqueira DR¹, Romitti M¹, Ferreira CV¹, Maia AL¹ ¹Universidade Federal do Rio Grande do Sul, Endocrinology, Porto Alegre, Brazil

Poster has been withdrawn

PO29 Thyroid Nodules and Goitre 2

Chair: Ralf Paschke, Germany

P259 SOMATIC MUTATIONS IN 33 HOT THYROID **NODULES IN CHILDREN**

Eszlinger M^1 , Niedziela M^2 , Typlt E^1 , Huth S^1 , Jäschke H^1 , Schaarschmidt J¹, Krohn K³, Paschke R¹ ¹Universität Leipzig, Klinik & Poliklinik für Endokrinologie und Nephrologie, Leipzig, Germany, ²Poznan University of Medical Sciences, Department of Pediatric Endocrinology and Rheumatology, Poznan, Poland, ³Universität Leipzig, IZKF Leipzig, Leipzig, Germany

P260 RARE ALLELE OF RS944289 AT CHROMOSOME 14013.3 ASSOCIATES WITH RISK OF BOTH MALIGNANT AND BENIGN THYROID TUMORS IN JAPANESE **POPULATION**

Rogounovitch Tl¹, Saenko VA², Bychkov A¹, Nikitski AV¹, Takahashi M³, Nakashima M⁴, Hayashi T⁵, Hirokawa M6, Miyauchi A^6 , Shigematsu K^7 , Mitsutake N^1 , Matsuda F^3 , Yamashita S^{1,2}

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P261 SYSTEMIC OXIDATIVE STRESS TO NUCLEIC ACIDS IS UNALTERED FOLLOWING RADIOIODINE THERAPY OF PATIENTS WITH BENIGN NODULAR GOITER

Bonnema SJ^1 , Stovgaard ES^2 , Fast S^1 , Broedbaek K^2 , Andersen JT^2 , Grupe P^3 , Hegedüs L^1 , Weimann A^2 , Poulsen $HE^{2,4,5}$ ¹Odense University Hospital, Endocrinology, Odense, Denmark, ²Rigshospitalet, Laboratory of Clinical Pharmacology, Copenhagen, Denmark, ³Odense University Hospital, Nuclear Medicine, Odense, Denmark, ⁴Bispebjerg Hospital, Department of Clinical Pharmacology, Copenhagen, Denmark, ⁵University of Copenhagen, Faculty of Health Sciences, Copenhagen, Denmark

MANAGEMENT OF MULTINODULAR GOITERS OF **ENDEMIC ZONES BY SPECIALLY TRAINED SURGEONS**

Maudar KK^{1,2}

¹Bhopal Memorial Hospital and Research Centre, Surgery, Bhopal, India, ²Manipal College of Medical Sciences, Surgery, Pokhra, Nepal

P263 CALCITONIN LEVELS IN PREGNANT WOMEN

Sanchez E¹, Grunenwald S¹, d'Herbomez M², Caron P¹ ¹CHU Larrey, Endocrinology and Metabolic Diseases, Toulouse, France, ²CHRU Lille, Department of Nuclear Medicine, Lille, France

P264 LATE FOLLOW-UP RESULTS AFTER I-131 THERAPY OF TOXIC MULTINODULAR GOITER

Petrovski Z¹

¹Clinical Hospital, Department of Nuclear Medicine, Bitola, the Former Yugoslav Republic of Macedonia

P265 HIGH INTENSITY FOCUSED ULTRASOUND [HIFU] -A FEASIBLE OPTION FOR THE TREATMENT OF BENIGN **THYROID NODULES**

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P266 PREGNANCY AND EUTHYROID GOITER: CHOICE OF **THERAPY**

Badalyan M¹, Harutyunyan A¹, Azatyan K², Florov V¹ ¹Yerevan State Medical University, Yerevan, Armenia, ²Polyclinic medical center N8, Yerevan, Armenia

PO30 Thyroid in Reproduction and Development

Chair: Peter Bisschop, The Netherlands

P267 PREDICTIVE VALUE OF MATERNAL SECOND GENERATION TBII ASSAY FOR NEONATAL AUTOIMMUNE HYPERTHYROIDISM

Abeillon – du Payrat J¹, Chikh K^{2,3}, Bossard N⁴, Bretones P⁵, Gaucherand P^{6,7}, Claris O^{7,8}, Charrié A^{2,9}, Raverot V¹⁰, Orgiazzi J^{7,11}, Borson – Chazot F^{7,12,13}, Bournaud C^{7,13,14} ¹Hospices Civils de Lyon, GH Est, Fédération d'endocrinologie, Bron Cedex, France, ²Hospices Civils de Lyon, Centre Hospitalier Lyon Sud, Service de biochimie, Lyon, France, ³Faculté de pharmacie, Lyon, France, ⁴Hospices Civils de Lyon, Service de biostatistiques, Lyon, France, ⁵Hospices Civils de Lyon, GH Est, Service d'endocrinologie pédiatrique. Lyon, France, ⁶Hospices Civils de Lyon, GH Est, Service de gynécologie obstétrique, Lyon, France, ⁷Université Lyon 1, Faculté de médecine Lyon Est, Lyon, France, ⁸Hospices Civils de Lyon, GH Est, Service de néonatologie, Lyon, France, ⁹Faculté de médecine et de maïeutique Lyon Sud, CARMEN INSERM U1060, Lyon, France, ¹⁰Hospices Civils de Lyon, GH Est, Service de biochimie, Lyon, France, ¹¹Hospices Civils de Lyon, Centre hospitalier Lyon Sud, Service d'endocrinologie, Lyon, France, ¹²Hospices Civils de Lyon, GH Est, Fédératoion d'endocrinologie, Lyon, France, ¹³INSERM, U1052, Lyon, France, ¹⁴Hospices Civils de Lyon, GH Est, Service de Médecine nucléaire, Lyon, France

P268 **EFFECTS OF IODINE SUPPLEMENTATION ON THYROID FUNCTION IN INFANTS**

<u>Belykh NA</u>¹, Mamenko MY¹, Dontsova EM¹

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P269 SUBCLINICAL HYPOTHYROIDISM IN PREGNANCY: 5 YEAR FOLLOW-UP INDICATES THE MAJORITY OF CASES ARE TRANSIENT

Shields BM¹, Knight BA¹, Hill AV¹, Hattersley AT¹, <u>Vaidya B</u>^{1,2}
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²Royal Devon & Exeter Hospital, Endocrinology, Exeter, United Kingdom

P270 **EFFECTS OF IODINE SUPPLEMENTATION ON PREGNANCY AND ON THE OFFSPRING**

<u>Mamenko M</u>¹, Belykh N¹, Valiyev O², Mimyaylo N³, Kovalenko N⁴
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Luhansk, Ukraine, ³Krasnodon Obstetrics Hospital, Krasnodon,
Ukraine, ⁴Pervomaysk Obstetrics Hospital, Pervomaysk,
Ukraine

P271 IODINE PROPHYLAXIS RATHER THAN
L-THYROXINE TREATMENT IS EFFECTIVE IN IMPROVING
NEUROINTELLECTUAL PERFORMANCES IN CHILDREN BORN
TO MOTHERS FROM A MODERATELY IODINE DEFICIENT
(ID) AREA: RESULTS OF A LONGITUDINAL PILOT STUDY
Moleti M¹, Ilardo G², Boncoddo M², Candia Longo A², Di Bella B¹,
Presti S¹, Sturniolo G¹, Tortorella G², Trimarchi F¹, Vermiglio F¹
¹University of Messina, Endocrinology, Messina, Italy,
²University of Messina, Neuroscience, Messina, Italy

P272 CROSS-CULTURAL VALIDITY OF THE THYROID-RELATED OUALITY OF LIFE INSTRUMENT THYPRO

Watt T^1 , Barbesino G^2 , Bjorner JB^3 , Bonnema SJ^4 , Bukvic B^5 , Drummond R^6 , Groenvold M^3 , Hegedüs L^4 , Kantzer V^7 , Lasch KE^8 , Marcocci C^9 , Mishra A^{10} , Netea-Maier R^{11} , Paunovic I^{12} , Quinn T^6 , Åse RK^{13} , Russell A^{14} , Sabaretnam M^{15} , Smit JWA 16 , Törring O^{17} , Zivaljevic V^{12} , Feldt-Rasmussen U^{13}

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P273 IODINE SUPPLEMENTATION DURING PREGNANCY AND OFFSPRING NEUROCOGNITIVE DEVELOPMENT AT 2 YEARS OF AGE IN AN AREA OF MILD IODINE DEFICIENCY

<u>Brucker-Davis F</u>¹, Chauliac F², Panaia-Ferrari P³, Fenichel P¹, Hieronimus S¹

¹CHU Nice, Endocrinology, Nice, France, ²CHU Nice, Neurology, Nice, France, ³CHU Nice, Biochemistry, Nice, France

P274 IODINE STATUS AMONG PREGNANT PATIENTS IN NORTH-EAST OF TURKEY, TRABZON, AFTER MANDATORY SALT IODINATION

Anaforoglu I¹, Algun E¹, Incecayır O¹, Topbas M², Erdogan MF³

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Endocrinology and Metabolism, Trabzon, Turkey, ²Karadeniz
Technical University, Faculty of Medicine, Department of
Public Health, Trabzon, Turkey, ³Ankara University, Faculty of
Medicine, Endocrinology and Metabolism, Ankara, Turkey

P275 THE RELATION OF THYROID STIMULATING HORMONE AND METABOLIC PARAMETERS IN THE SUBJECTS FOR HEALTH CHECK-UP

Yu HM¹, Park KS¹, Lee JM¹, Hong JH¹, Ryu AJ¹

Research Institute of Clinical Medicine, Eulji University
Hospital, Division of Endocrinology and Metabolism,
Department of Internal Medicine, Daejeon, Republic of Korea

Congress General Information

European Thyroid Journal

Venue

City Music Hall (Stadsgehoorzaal) Breestraat 60 2311 CS Leiden, The Netherlands Tel. +31 900 9001705

All conference rooms are fully equipped with up-to-date presentation systems. Powerpoint is the preferred format for presentations. In the Media Check Room speakers can also check their presentation at several working stations.

Opening Times of Media Check

 Saturday:
 07.30–18.30

 Sunday:
 07.30–19.00

 Monday:
 07.30–17.30

 Tuesday:
 07.30–18.00

 Wednesday:
 07.30–12.30

All presenters are requested to hand in their lecture at least 1 hour before the scheduled talk, or the day before if your talk is early the next morning.

Poster Displays

Maximum Poster sizes are 125 cm high and 90 cm wide. The poster should be easily readable from a distance of about 1m. All posters have to be in English.

Mounting material will be available on site. All poster boards will be numbered. Staff will assist you in locating your poster wall and setting up your poster.

Poster discussion sessions are from 12.00-13.00 from Sunday to Tuesday. Your poster should be in place well before discussion time. See below for a time guide:

P1-P94: Sunday 8th from 07.30 to be removed by 18.00 P95-P183: Monday 9th from 07.30 to be removed by 17.00 P184-P275: Tuesday 10th from 07.30 to be removed by 18.00

Authors must be present at their poster session.

Thank you for your understanding that posters not removed by the above mentioned times cannot be stored.

Programme Changes

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



Language

The official congress language is English.

Name Badges

Entrance to the Congress area will be limited to badge holders only. If the badge is lost, please contact the Congress registration desk.

Congress Lunches

Lunch boxes will be provided in the exhibition areas as well as two other catering stations within the venue (see floor plans).

Coffee Breaks

Coffee breaks will be served in the exhibition areas as well as at various stations within the venue. The coffee bar in the Catherina Foyer is a self-paying bar which only offers free coffee during the official coffee breaks.

Congress Material

The Congress participants who have pre-registered will receive the congress material, together with their name badge from the Pre-Registered desk of the Congress Secretariat.

Banks and Exchange

Banks are open from Monday to Friday, from 9.00–17.00 and are closed on public holidays. Most hotels, restaurants and shops accept credit cards. ATMs are located throughout the city.

Climate

The Netherlands is located in a temperate weather region with moderate temperatures. Early September should still be relatively warm.

Currency

The official currency in the Netherlands is the Euro.

Dutch Time

Leiden is located in the Central European Time Zone (GMT +1). During the congress the official time will be summer time, i.e. GMT +2.

Electricity

The electricity supply is 220 volts. Foreign appliances may require a power converter and/or an adapter.

Emergency phone numbers

For emergencies dial 112.

Health

Free first aid and hospital services are available to all citizens of the Europe who have a special card (EHIC, European Health Insurance Card, formerly E111) issued by the health authority of the relative country. Visitors from other countries are advised to take out special insurance for the duration of the trip, to avoid the cost of possible medical treatment. American visitors may find that reimbursement of medical expenses incurred abroad is covered by their private insurance. Prescription medication can only be obtained in the pharmacies (Apotheek).

Insurance

The registration fee does not include the insurance of participants against personal accidents, illness, cancellations by any party, loss or damage to personal possessions, theft. <u>All</u> participants are strongly advised to make adequate personal insurance arrangements to cover travel, accommodation, cancellation and personal effects prior to travel.

Italian Secretariat

Alijet & Fargo International S.r.I. has been appointed to be the referent between the Italian Pharmaceutical Companies and the Italian Health Ministry as to the collection and submission of the legal documentation required by the Italian Legislative Order n. 219 of 24th April 2006 – art. 124 from Italian delegates visiting the congress. Contact: Alijet & Fargo International S.r.I., Via Pietro Maroncelli 44/46, 50137 Firenze, Italy, Tel. 011 39 055 600555 – Fax 011 39 055 609078.

Smoking Policy

For the general comfort and health of all participants, smoking is not permitted at any of the official functions during the Congress. This includes all scientific sessions, business and other meetings, evening functions and registration area & foyers.

Telephone

The international code for The Netherlands is ++31. The prefix for Leiden is (0)71.

Tipping

Value-added tax (VAT) and service charges are included in hotel, restaurant, shopping bills and taxi fares. Tips for extra services are always appreciated but not absolutely necessary. It is customary to give taxi drivers and waiters a tip of about 10 per cent.

Visa Requirements

Citizens of countries in the European Union and the European Economic Area do not need a visa for The Netherlands.

We advise you to consult the following website:

http://www.justlanded.com/english/Netherlands/Netherlands-Guide/Visas-Permits/Visa-requirements for updated and detailed information for foreigners regarding entrance visas for The Netherlands and permits of stay. Foreign participants should contact the Dutch Embassy or Consulate in their home country as soon as possible to determine their particular visa requirements. Participants requiring visas must initiate the application process at least 3 months prior to their departure date. Visa

application procedures are easier when the confirmation of registration is included. Refunds cannot be made if a visa application is not granted.

The conference organizers are not obliged to assist participants with their visa application process.

Leiden Information

Leiden can be reached easily by international visitors, with Schiphol just 20 minutes away and Rotterdam's smaller airport at 25 minutes distance. Leiden is within 10 kilometres of Holland's North Sea coast, and the Green Heart of the Netherlands is also close at hand.

Leiden is ideally located within a short travelling distance of major centres such as The Hague and Amsterdam.

By car

Leiden is located between the A4 and A44 motorways, which makes it easy to reach by car. The city centre is a pedestrian-only area, but visitors will find space for more than 3,000 cars in the many small and large car parks and garages spread around the periphery of the centre.

Haagweg car park (recommended for visitors)

Leiden's biggest car park is on the Haagweg, and provides full park-and-ride services to the city centre. During the daytime and in the evenings, shuttle buses will take you from the car park to all the main spots in the city – and bring you back, of course. Special arrangements can be made for groups, so that you can always be sure of transport to the city centre. For more information: www.stadsparkeerplan.com.

Cycling in and around Leiden

As well as the city centre, the area around Leiden also has a lot to offer. Cycling is the ideal mode of transport for discovering the region, and there are many different cycle routes starting in Leiden see http://portal.leiden.nl/en/tourism_leisure/discover/walking and cycling

Bicycle Rental Leiden

De Rijwielshop, at the rear of the main station.

See further information under **Transportation**.

Airports

Amsterdam Airport/AMS (http://www.amsterdamairport.info/)

Officially known by the name Amsterdam Airport Schiphol, this airport is of great importance in Europe. It is an international airport and is located 20 minutes from Amsterdam city and approximately 9 miles south-west of the center of Amsterdam in Haarlemmermeer municipality. This is an international airport connecting to many notable European airports.

Rotterdam Airport/RTM (http://rotterdam-rtm.airports-guides.com/)

Rotterdam Airport is a small airport that handles flights from a small number of local carriers to destinations throughout Europe. The airport is situated around 8 km / 5 miles to the north-west of central Rotterdam and close to Kethel, Schiebroek, Schiedam and Zestienhoven.

Transportation

Leiden can be reached in a variety of ways: by car, boat, train, bus and by air. At Amsterdam (Schiphol) and Rotterdam Airport, flights are continually landing from the major cities of neighbouring countries. The number of international flights is increasing.

Inside the city, a network of busses, maintains excellent connections. Parking places for coaches can be found, for example, near Municipal Windmill Museum 'De Valk'. Trains from all directions stop at Leiden Central Station, and the city centre is just a short walk from the station. Or, if you prefer, there is a frequent bus service from the station to almost anywhere in the city.

See also http://portal.leiden.nl/en/tourism_leisure/practical/accessibility

Bus

Connexxion Stationsplein 3F (at AKO at Leiden Central Station), 2312 AJ Leiden, customer service tel. 0900-2666399 Veolia Transport Haaglanden/Service point Zoetermeer, Kelvinstraat 5 2723 RJ Zoetermeer

Train

Dutch Railways www.ns.nl Information OV Chipkaart: www.ov-chipkaart.nl

Taxi Information

Taxi stands Stations: Leiden Central, Leiden Lammenschans

Information about the Netherlands

For further information about the Netherlands please visit www.holland.com

European Thyroid Journal



Welcome Reception

Saturday, 7th September, 19.30-21.00

Hooglandse Kerk (Highlands Church) Middelweg 2 2312 KH Leiden

The Hooglandse Kerk is a cross-shaped church dating from the 14th century. Although emptied of its art by Calvinist iconoclasm, its elegant architecture has been beautifully restored. The first place of worship on this elevated site was a simple wooden chapel consecrated to St. Pancras around the beginning of the 14th century. In 1315, it was replaced by a sturdier stone church, and in 1377 construction of the present Late Gothic church got underway, beginning with the choir. The Collegiate Church of St. Pancras was consecrated in phases in 1381 and 1436. Other buildings sprung up around the church in this period, including homes for the canons, a beguinage, and an inn. The Hooglandse Kerk is located where the Old Rhine and New Rhine rivers meet. A beautiful landmark of Leiden. For further information go to www.hooglandsekerk.com. After the welcome address from Jan Smit and Theo Visser, you will be able to enjoy a short organ concert before the buffet opens. The Hooglandse Kerk is within walking distance of the congress venue.

Price per person: included in the fee for registered participants and registered accompanying persons.



Photo: Courtesy of Scheltema Leiden

ETA Excursion: Canal Trip and Scheltema Complex, Marktsteeg 1

Monday, 9th September, 18.00

The excursion will be an impressive encounter with past and present of Leiden. A canal tour through the beautiful Leiden canals will be held with small motorboats http://www.schuitjevaart.nl/e_index.html. For those of you who prefer a more stable ride, a guided city walking tour will be provided. After the canal tour, all will meet at the Scheltema complex (Marktsteg 1) http://www.scheltemaleiden.nl/Historie (Dutch language only) which originally housed a factory of sheets and plaids. After the factory was closed, the building was renovated into a cultural center, where modern art and science meet in exhibitions, performances and symposia. No better place for thyroid scientists to meet! We will have an informal party at Scheltema with typical Dutch food, drinks and dance. The boats for the canal tour will leave from the canal directly behind the congress venue, within walking distance.

NB: Drinks are complimentary from 19.00–22.00 only. Any drinks consumed after 22.00 must be paid for by the participant.

Price per person: 50 €

Gala Dinner: National Museum of Antiquities, Rapenburg 28, Leiden

Tuesday, 10th September, 20.00

The formal congress dinner will be in the National Museum of Antiquities, http://www.rmo.nl/english, Rapenburg 28, Leiden. The Museum hosts an internationally renowned collection of fine Egyptian, Greek and Roman art and archeology as well as remains from ancient Dutch history. The dinner will be at the main hall in the museum where the Temple of Taffeh, transported piece by piece from Nubia will ensure a stylish atmosphere. During the evening, the collection can be visited. This venue is in the old city centre.

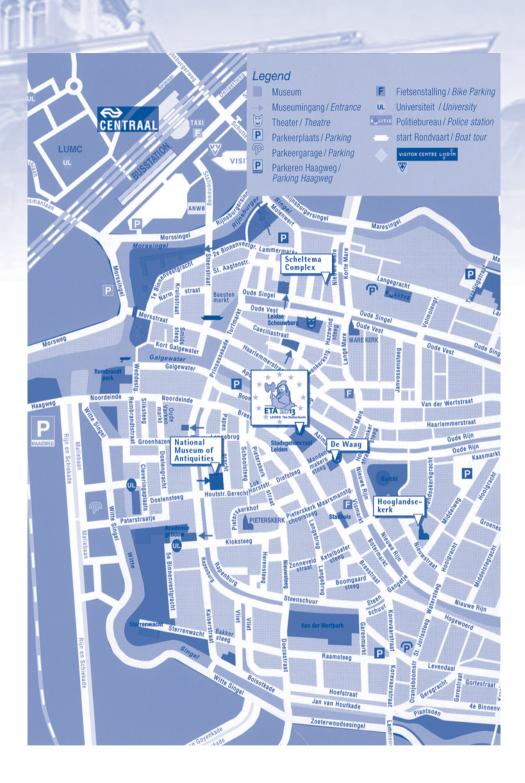
Price per person: 75 € (formal dress)





Photo: Courtesy of the Rijksmuseum van Oudheden

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Transparency Declaration

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The Executive Committee and the Standing Office of the ETA are most grateful to the following ETA Corporate members and all other sponsors for their generous logistical support of the ETA 2013 Annual Meeting

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