ETA
2007
LEIPZIG

32nd ANNUAL MEETING OF THE

EUROPEAN THYROID ASSOCIATION

SEPTEMBER 1st - 5th, 2007

LEIPZIG, GERMANY

Final Programme

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Address: 4620 Kingsgate, Cascade Way, Oxford Business Park South, Oxford, OX4 2SU, UK
Phone: +44-1865-405-217, Fax: +44-1865-402-964, Website: www.genzyme.com

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Welcome to the 32nd Annual Meeting of the European Thyroid Association in Leipzig!

Welcome

Dear Friends and Colleagues,

the general assembly of the 2001 ETA meeting in Warsaw decided to hold the 32nd annual meeting of the European Thyroid Association in Leipzig. It is now exactly 10 years after the third ETA meeting in Germany which took place in Munich from August 30th to September 3rd 1997. Further ETA meetings in Germany took place in 1978 in Berlin and in 1991 in Hannover. Internationally recognised thyroid research in Leipzig started in 1995. A former kitchen was best suited to be transformed into a molecular research lab without much reconstruction. This lab is still used today. However, many new laboratory facilities have been built since then. The hospital and the medical faculty are currently engaged in a major construction effort for new buildings for most of the clinical departments and also a new research building which will provide lab space for the majority of the researchers of the medical faculty in Leipzig. In spite of this long lag time for new infrastructure and the significantly lower pay for researchers in the eastern compared to the western part of Germany thyroid research in Leipzig did grow continuously over the last 12 years. Some young and highly motivated basic scientists and clinicians with a good spirit, many of them born around Leipzig did recognise that they could accomplish a lot more in a not ready made but rapidly changing environment. Their scientific accomplishments were the most important argument to maintain the department of endocrinology when the medical faculty and the university decided in 1998 to reduce it's status to being attached to another department. Maintaining it's status as a department and thereby its equal academic chances was an appropriate revision of this decision since thyroid research in Leipzig did grow further. Moreover, its growth also led to the advancement of other areas of endocrinology during the last 12 years. It did not only lead to the training of professors and PhDs in the field of thyroidology but also to the training of professors and PhDs who did their further specialisation in diabetology and obesity. The department of endocrinology was also instrumental in shaping one of the four major research areas of the faculty and in attracting a basic science research chair. Moreover, it advanced the center of interdisciplinary clinical research of the medical faculty by providing an important part of it's externally reviewed research projects and by shaping it's structure and core units.


Ralf Paschke

First and foremost the Annual Meeting means science. This requires the structuring of a scientific program that is informative and appealing for a wide thyroid audience. During the recent months the ETA Executive Committee under the presidency of Josef Köhrle has prepared an attractive scientific program which will present a clinical and educational track consisting of a new case management discussion section, the traditional thyroid ultrasound course, ICCDD and ETA-CRN meetings and clinical symposia on the different thyroid nodule guidelines, revision of textbook chapters, the lifelong management of congenital hypothyroidism, new developments in thyroid autoimmunity, new medical treatments for medullary

carcinomas or thyroid cancer management, and a basic science track covering topics like the clinical impact of rapid thyroid hormone action, the molecular basis of thyroid cancer, thyroid hormone catalysed energy metabolism, thyroid development or the role of thyroid hormones during development and an educational symposium on cell imaging techniques.

The annual meeting also means consolidating existing and establishing new collaborations. This is usually done after the official presentations and discussions, mainly at the social events. Here we can profit from Leipzig's rich cultural life, especially arts, literature and it's long tradition of music. You will get an impression of both, the changes and the culture that originated in Leipzig, primarily known from the work of J. S. Bach as the Cantor of the St. Thomas Church. For 27 years he worked and lived in Leipzig until his death. The social program will expose you to Leipzig's music by an organ concert in the St. Thomas church, the origins and places of the peaceful revolution and to European history by a visit of the monument of the battle of the nations. The Welcome Reception in the new Museum of Fine Arts will open the possibility to see old and new paintings of the Leipzig School. The Gala Dinner in the historical restaurant Auerbach's Keller will give the possibility to get a closer look into Goethe's Faust.

I would like to thank all those who have helped in many different ways throughout the months of preparation for this meeting. Most of this work was done by the K.I.T. team of Jörg Herrmann. The close and smooth link with the ETA Executive Committee ensured an efficient interaction throughout the preparation of the meeting. However, we are really looking foreward to the time when most of this will be taken over by the ETA standing office. I am also greatful for the cofunding of the meeting by the Deutsche Forschungsgemeinschaft.

All thyroidologists in Leipzig and Halle are proud to host this ETA annual meeting. Founded in 1409 after the universities in Heidelberg in 1385, Köln in 1388 and Erfurt in 1392 Leipzig is one of the oldest universities in Germany. The university will soon celebrate its 600th anniversary. We thank the medical faculty for allowing us to use the faculty's lecture halls. After many months of preparations the time has come to open the doors. So welcome to Leipzig and enjoy the 32nd Annual meeting of the European Thyroid Association!

Ralf Paschke
Chairman Local Organising Committee

ORGANISING COMMITTEE

ETA Executive Committee

Josef Köhrle (President)
Ulla Feldt-Rasmussen
Onno Bakker
Murat Erdogan
Barbara Jarzab
Ralf Paschke
Patrice Rodien
Massimo Santoro
István Szabolcs
Paolo Vitti
Antony P. Weetman

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Steffen Leinung
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Osama Sabri
Thorsten Schöneberg
Anke Tönjes

President of the Local Organising Committee

Prof. Dr. med. Ralf Paschke

University Hospital Leipzig
Medical Clinic III
Philipp-Rosenthal-Str. 27
04103 Leipzig · Germany

Phone +49 341 971 32 00
Fax +49 341 971 32 09
E-mail: pasr@medizin.uni-leipzig.de

Conference Office - Organisation

Contact: Mr. Jörg Herrmann

K.I.T. Congress Incentives GmbH
Münzgasse 2
01067 Dresden · Germany

Phone +49 341 971 51 70
Fax +49 341 971 51 71
E-mail: eta2007@kitleipzig.de
Internet: www.kitdresden.de

SATURDAY, September 1st, 2007

ETA-CRN

09.00 - 18.00 | Small Lecture Hall

07.30 - 08.30 Registration

09.00 - 09.10 Welcome and Opening
President ETA-CRN, Rossella Elisei, Pisa, Italy
Secretary ETA-CRN, Secretary-Treasurer ETA, Ulla Feldt-Rasmussen
Copenhagen, Denmark

09.10 - 12.10 Clinical Scientific Sessions

LONG-TERM CONSEQUENCES OF L-THYROXINE TREATMENT IN THYROID CANCER

Chairpersons: Rossella Elisei, Pisa, Italy
Jan Smit, Leiden, The Netherlands

09.10 - 09.35 *TSH suppressive therapy – an overview of long-term clinical consequences*
David Cooper, Baltimore, USA

09.35 – 09.55 *TSH target level in differentiated thyroid carcinoma*
Georg Brabant, Birmingham, UK

09.55 - 10.15 *QoL in patients treated for differentiated thyroid carcinoma*
Jan Smit, Leiden, The Netherlands

10.15 – 10.35 *TSH suppression and the heart*
Bernadette Biondi, Naples, Italy

10.35 – 10.55 TSH suppression and bones
Graham Williams, London, UK

10.55 - 11.25 Coffee Break

INCREASED INCIDENCE OF DIFFERENTIATED THYROID CARCINOMA – FACT OR FICTION?

11.25 - 12.35 *Overview*
Ian Hay, Minnesota, USA

Relationship with iodine intake?
Maria Alevizaki, Athens, Greece

Relationship with radiation?
Martin Schlumberger, Villejuif, France

12.35 - 13.00 GENERAL DISCUSSION

13.00 - 14.00 Lunch

14.00 - 14.30 GENERAL ASSEMBLY

BASIC SCIENTIFIC SESSION AND FREE COMMUNICATIONS

Chairpersons: Barbara Jarzab, Gliwice, Poland
Clara Alvarez, Santiago de Compostela, Spain

14.30 - 14.45 *Human thyroid cell lines as models of thyroid carcinoma*
W Vanstaveren, Brussels, Belgium

14.45 - 15.15 *A proteomic approach to thyroid tumorigenesis*
Dagmar Führer, Leipzig, Germany

15.15 - 15.45 *Thyroid cancer: linkage analysis, gene expression array/ microRNA array, whole genome association study*
Krystian Jazdzewski, USA

15.45 - 16.15 Coffee Break

16.15 - 18.00 Free Communications

SATURDAY, September 1st, 2007

ICCIDD – West Central Europe Regional Meeting

09.00 - 16.00 | Big Lecture Hall

Scientific Programme

Chairpersons: Gerard Burrow, Hamden, USA
Aldo Pinchera, Pisa, Italy

Thyroid Dysgenesis and Iodine Deficiency
Annette Grüters-Kieslich, Berlin, Germany

Genetics and Environment in the Pathogenesis of Goiter
Ralf Paschke, Leipzig, Germany

Thyroid Autoimmunity
Stefano Mariotti, Monserrato-Cagliari, Italy

Iodine Deficiency today: Is it still an Epidemiological Problem?
Michael Zimmermann, Zurich, Switzerland

Update of the Iodine prophylaxis status in West Central Europe (Part 1)

Chairperson: Aldo Pinchera, Pisa, Italy

Presentation of new country data by the ICCIDD national representatives

Update of the Iodine prophylaxis status in West Central Europe (Part 2)

Chairperson: Aldo Pinchera, Pisa, Italy

Continuation of country presentations, discussion and conclusions

SATURDAY, September 1st, 2007

Practical Diagnostic Thyroid and Parathyroid Ultrasonography Course

09.00 - 16.00 | Seminar 1

08.30 - 09.00 Registration and distribution of course materials

09.00 - 09.30 *Neck anatomy, basics of ultrasonography and how to perform neck ultrasonography*
Murat Erdogan, Ankara, Turkey

09.30 - 10.15 *Ultrasonography in thyroid nodule, FNAB and ultrasonography guidance*
Theresa Rago, Pisa, Italy

10.15 - 10.30 Questions and answers

10.30 - 11.00 Coffee Break

11.00 - 11.30 *Grey scale and Doppler sonography in thyroididis*
Paolo Vitti, Pisa, Italy

11.30 - 12.15 *Ultrasound guided intervention in nodular thyroid disorders, percutaneous ethanol injections, laser treatment etc.*
Enrico Papini, Rome, Italy

12.15 - 12.30 Questions and answers

12.30 - 13.30 Lunch

13.30 - 14.00 *Parathyroid lesions*
Murat Erdogan, Ankara, Turkey

14.00 - 16.00 Practice on real patients with the lecturers and self practice groups
A, B, C, D, E

SATURDAY, September 1st, 2007

Joint IZKF and ETA Educational Symposium Microscopy in the 21st Century – 2D or 3D

BASIC

15.00 - 18.00 | Seminar 6

Chairpersons: Onno Bakker, Amsterdam, The Netherlands
Andreas Lösche, Leipzig, Germany

Latest developments in 2 und 3 D real time flourescence microscopy and how to do it
Peter Zehetmayer, Hamburg, Germany

Questions and answers

Real-time protein-protein interactions
Fred Schaufele, San Francisco, USA

Converting 2D images into a 3D model, lessons from the heart
Alexandre T Soufan, Amsterdam, The Netherlands

SUNDAY, September 2nd, 2007

Topic Highlights 1

08.30 - 11.00 | Big Lecture Hall

Chairpersons: Josef Köhrle, Berlin, Germany
Ralf Paschke, Leipzig, Germany

What is the role of Pit1 in the negative regulation of TSH gene by T3 and its receptors?
Hirotoshi Nakamura, Hamamatsu, Japan[1], A. Matsushita[1], Y. Kashiwabara[1], S. Sasaki[1]
[1] Hamamatsu University School of Medicine, Department of Internal Medicine 2, Hamamatsu

Long-term outcome in 210 cases of papillary thyroid carcinoma (PTC) presenting in patients <21 years old and managed at one institution during 1940-2005: a possible Pyrrhic victory?
Ian Hay, Rochester, USA[1], T. Gonzalez Losada[1], G. Thompson[2], M. Reinalda[3], A. Lteif[4], F. Schwenk[4], T. Sebo[5], J. Goellner[5]
[1] Mayo Clinic, Endocrinology, Rochester, [2] Mayo Clinic, Surgery, Rochester, [3] Mayo Clinic, Biostatistics, Rochester, [4] Mayo Clinic, Pediatrics, Rochester, [5] Mayo Clinic, Pathology, Rochester

Crystal structure of the TSH receptor bound to a thyroid stimulating autoantibody
Jadwiga Furmaniak, Cardiff, UK[1], J. Sanders[1], D.Y. Chirgadze[2], P. Sanders[1], S. Baker[1], A. Sullivan[1], A. Bhardwaja[1], J. Bolton[1], N. Nakatake[1], M. Evans[1], T. Richards[1], M. Powell[1], R. Nunez Miguel[1,2], T.L. Blundell[2], B. Rees Smith[1]
[1] FIRS Laboratories, RSR Ltd, Cardiff, [2] University of Cambridge, Department of Biochemistry, Cambridge

A high affinity TSH receptor blocking type human monoclonal auto-antibody
Jane Sanders, Cardiff, UK[1], C. Betterle[2], M. Evans[1], P. Sanders[1], E. Roberts[1], A. Bhardwaja[1], J. Bolton[1], T. Richards[1], A. Kiddie[1], S. Young[1], G. Coco[1,2], R. Zanchetta[2], S. Chen[1], J. Furmaniak[1], B. Rees Smith[1]
[1] FIRS Laboratories, RSR Ltd, Cardiff
[2] University of Padua, Department of Medical and Surgical Sciences, Padua

Dendritic cell vaccination with heteroclitic calcitonin peptide in a transgenic tumor mouse model for medullary thyroid carcinoma leads to specific anti-tumor immunity and diminished tumor outgrowth

Matthias Schott, Duesseldorf, Germany[1], C. Papewalis[1], M. Wuttke[1], Y. Meyer[1], C. Kessler[1], B. Jacobs[1], H.S. Willenberg[1], S. Schinner[1], W.A. Scherbaum[1]

[1] University Hospital Duesseldorf, Dept. of Endocrinology, Diabetes and Rheumatology, Duesseldorf

Specific interaction of iodothyronamines with the MCT8 thyroid hormone transporter

Edith Friesema, Rotterdam, The Netherlands[1], J. Jansen[1], E. Visser[1], A. Ianculescu[2,3], T. Scanlan[2], T. Visser[1]

[1] Erasmus MC, Internal Medicine, Rotterdam

[2] Oregon Health and Science University, Physiology and Pharmacology, Portland

[3] University of California, Biochemistry and Molecular Biology, San Francisco

SUNDAY, September 2nd, 2007

Thyroid Hormone Action

BASIC

11.30 - 13.00 | Big Lecture Hall

Chairpersons: Juan Bernal, Madrid, Spain
Klaus Mann, Essen, Germany

Classical action mediated by T3 receptors – an update
Graham Williams, London, UK

Thyroid hormone signalling via AKT
Lars Möller, Essen, Germany

Thyroid hormone effects via mitochondrial receptors
Gerard Cabello, Montpellier, France

SUNDAY, September 2nd, 2007

Rewriting Thyroid Textbook Chapters The Smallprints

CLINICAL

11.30 - 13.00 | Small Lecture Hall

Chairpersons: Patrice Rodien, Angers, France
Cuong Hoang-Vu, Halle, Germany

Thyroid tumours in the context of genetic multiple tumour syndromes
Dillwyn Williams, Cambridge, UK

Thyroid disease in metabolic disease
Antongiulio Faggiano, Naples, Italy

The thyroid a side target of new therapeutics
Bryan Haugen, Aurora, USA

SUNDAY, September 2nd, 2007

The Role of Thyroid Hormone in Development
A View over the Hedge

BASIC

14.00 - 16.00 | Big Lecture Hall

Chairpersons: Roberto Di Lauro, Naples, Italy
Heiko Krude, Berlin, Germany

Thyroid hormone in amphibian development (Xenopus or fish)
David J Furlow, Davis, USA

Thyroid hormone and bone development
Duncan Bassett, London, UK

Selenoproteins and heart development and function
Marcus Conrad, Munich, Germany

Thyroid hormone and brain development
Gabriella Morealle-de Escobar, Madrid, Spain

SUNDAY, September 2nd, 2007

Molecular Basis of Thyroid Cancer: Diagnostic and Therapeutic Implications

BASIC

14.00 - 16.00 | Small Lecture Hall

Chairpersons: Massimo Santoro, Naples, Italy
Nils Morgenthaler, Hennigsdorf, Germany

The MAPK signaling cascade in thyroid cancer initiation and progression
James A. Fagin, New York, USA

The cAMP signaling cascade in thyroid tumorigenesis: insights from gene expression profiling
Jacques E. Dumont, Brussels, Belgium

Altered expression of mRNAs and microRNAs in differentiated and undifferentiated thyroid cancer
Alfredo Fusco, Naples, Italy

Molecular testing for oncogene mutations in Thyroid Fine Needle Aspiration Biopsy
Yuri E. Nikiforov, Pittsburgh, USA

SUNDAY, September 2nd, 2007

Meet-the-Expert 1

CLINICAL

16.15 - 17.15 | Big Lecture Hall

TSH reference range and management of typical cases
Georg Brabant, Manchester, UK

SUNDAY, September 2nd, 2007

Poster Discussion: Metabolism and Action

16.15 - 17.15 | Small Lecture Hall

Chairperson: Theo Visser, Rotterdam, The Netherlands

P 184 *Differences in T3 uptake and metabolism in fibroblasts of MCT8 patients reflect phenotypic variability*

W. Edward Visser, Rotterdam, The Netherlands[1], J. Jansen[1], M.H. Kester[1], O.F. Brouwer[2], R.J. Lunsing[2], J. Lundgren[3], E. Mancilla[4], E.C. Friesema[1], T.J. Visser[1]

[1] Erasmus MC, Internal Medicine, Rotterdam, [2] University Hospital Groningen, Pediatrics, Groningen, [3] University Hospital Lund, Child neurology, Lund, [4] Institute of Biomedical Sciences, Program of Pathophysiology, University of Chile, Santiago

P 179 *Erroneous regulation of E2F1 by triiodothyronine and its nuclear receptors: a potential impact on overexpression of E2F1 in clear cell Renal Cell Carcinoma*

Olga Turowska, Warsaw, Poland[1], A. Nauman[1], M. Pietrzak[2], P. Popławski[1], A. Master[1], M. Nygard[3], M. Bondesson[3], Z. Tanski[4], M. Puzianowska-Kuznicka[1,2]

[1] Medical Center of Postgraduate Education, Department of Biochemistry and Molecular Biology, Warsaw, [2] Medical Research Center, Polish Academy of Sciences, Department of Endocrinology, Warsaw, [3] Karolinska Institute, Department of Biosciences and Nutrition, Huddinge, [4] Specialistic Hospital, Urology, Ostroleka

P 181 *Organ-specific effects of 3,5-diiodo-L-thyronine on fatty acid uptake and release in high-fat diet-fed rats through differential regulation of AMP-activated protein kinase*

Pieter de Lange, Caserta, Italy[1], P. Farina[1], A. Feola[1], R. Senese[1], M. Moreno[2], A. Lombardi[3], E. Silvestri[2], F. Goglia[2], A. Lanni[1]

[1] Seconda Università degli Studi di Napoli, Scienze della Vita, Caserta, [2] Università degli Studi del Sannio, Dipartimento di Scienze Biologiche ed Ambientali, Benevento, [3] Università degli Studi di Napoli, Dipartimento delle Scienze Biologiche, Napoli

P 185 *Effects of sulfur- and selenium-containing derivatives of MMI and PTU on type I 5-deiodinase and thyroperoxidase*

Philip Scholz, Berlin, Germany[1], G. Mugesh[2], P. Ambrugger[3], C. Schmutzler[1], J. Köhrle[1]

[1] Charité - Universitaetsmedizin Berlin, Experimentelle Endokrinologie, Berlin, [2] Indian Institute of Science, Department of Inorganic and Physical Chemistry, Bangalore, India, [3] Charité - Universitaetsmedizin Berlin, Experimentelle Paediatrische Endokrinologie, Berlin

P 180 *Characterization of polymorphisms in the Thyroid Hormone Receptor Beta (THRB) gene and estimation of their influence on thyroid hormone parameters using a large twin cohort*

Helena Gásdal Sorensen, Odense, Denmark[1], W. van der Deure[2], P. Skov Hansen[3,1], R. Peeters[2], K. Ohm Kyvik[3], L. Hegedüs[1], T. Visser[2]

[1] Odense University Hospital, Department of Endocrinology and Metabolism, Odense, [2] Erasmus University Medical Center, Internal Medicine, Rotterdam, [3] University of Southern Denmark, The Danish Twin Registry, Epidemiology, Institute of Public Health, Odense

P 183 *High induction of type III deiodinase (D3) expression after partial hepatectomy in the regenerating mouse and rat liver*

Monique Kester, Rotterdam, The Netherlands[1], C. Punt[2], H. Toussaint[2], M. Everts[2], A. de Bruin[2], T. Visser[1]

[1] Erasmus Medical Center, Internal Medicine, Rotterdam, [2] Utrecht University, Pathobiology, Utrecht

P 182 *3,5-diiodo-L-thyronine-induced proteomic changes in liver mitochondria from high fat- fed- rats: evidences from two-dimensional electrophoresis*

Elena Silvestri, Benevento, Italy[1], L. Burrone[1], A. Lombardi[2], P. de Lange[3], P. Farina[3], A. Feola[3], A. Lanni[3], F. Goglia[1], M. Moreno[1]

[1] Università del Sannio, Scienze Biologiche ed Ambientali, Benevento, [2] Università di Napoli, Scienze Biologiche, Napoli, [3] Seconda Università di Napoli, Scienze della Vita, Caserta

SUNDAY, September 2nd, 2007

Poster Discussion: Autoimmunity

16.15 - 17.15 | Seminar 1

Chairperson: Hemmo Drexhage, Rotterdam, The Netherlands

P 2 *Too early to dismiss Yersinia enterocolitica infection in the aetiology of Graves disease. Evidence from a twin case-control study*

Thomas Brix, Odense, Denmark[1], P.S. Hansen[1,2], L. Hegedüs[1], B. Wenzel[3]

[1] Odense University Hospital, Department of Endocrinology and Metabolism, M, Odense, [2] University of Southern Denmark, Danish Twin Registry, Odense, [3] Medical University Lübeck, Cell and Immunobiological Laboratory, Department of Medicine I, Lübeck

P 1 *Assessment of disease activity in Graves' Ophthalmopathy by orbital ultrasonography, TSH-receptor stimulating immunoglobulins and clinical parameters*

A. Vryonidou, Athens, Greece[1], A. Kokkinaki[2], A. Badila[1], N. Lepida[2], S. Mylona[2], C. Phenekos[1]

[1] Red Cross Hospital, Department of Endocrinology, Athens, [2] Red Cross Hospital, Department of Radiology, Athens

P 4 *The Pro12Ala PPARgamma gene polymorphism is associated with less severe and less active graves' orbitopathy (GO).*

Maria Alevizaki, Athens, Greece[1], E. Mantzou[2], A. Cimponeriu[2,3], K. Saltiki[3], G. Philippou[3], W. Wiersinga[4]

[1] Athens University School of Medicine, Evgenideion Hospital, Endocrinology, Metabolism & Diabetes, Athens, [2] Athens University School of Medicine, Evgenideion, Endocrinology, Metabolism & Diabetes, Athens, [3] Athens University School of Medicine, Evgenideion, Endocrinology, Metabolism & Diabetes, Athens, Endocrinology, Metabolism & Diabetes, Athens, [4] Academic Medical Centre, Amsterdam, Endocrinology and Orbital Centre, Amsterdam

P 6 *Direct assay of TSH receptor autoantibodies causing Graves' disease correlates with the clinical diagnosis closer than assays based on TSH displacement*

Ulrich Loos, Ulm, Germany[1], C. Franz[1], W.B. Minich[1], I. Büsselmann[1]

[1] KreLo GmbH Medical Diagnostics, Ulm

P 5

Interferon-gamma-inducible alpha-chemokines CXCL9 and CXCL11 expression in thyrocytes, fibroblasts and preadipocytes from patients with Graves' ophthalmopathy: modulation by pioglitazone and rosiglitazone

Poupak Fallahi, Pisa, Italy[1], S.M. Ferrari[1], M. Rotondi[2], P. Romagnani[3], S. Sellari Franceschini[4], M. Serio[3], E. Ferrannini[1], A. Antonelli[1]

1 University of Pisa, Department of Internal Medicine, Pisa, 2 Second University of Naples, Department of Clinical and Experimental Medicine and Surgery "F. Magrassi-A. Lanzara", Naples, 3 University of Florence, Department of Clinical Pathophysiology, Endocrinology Unit, Florence, 4 University of Pisa, Otorhinolaryngology Unit, Pisa

P 3

Association of the functional NFKB1 promoter polymorphism with graves' disease in polish population

Alina Kurylowicz, Warsaw, Poland[1], B. Jurecka-Lubieniecka[2], D. Kula[2], M. Kowalska[2], D. Rusinek[2], B. Jarzab[2], T. Bednarczuk[1], J. Nauman[1]

[1] Medical Research Center, Polish Academy of Science, Department of Endocrinology, Warsaw, Poland, [2] Maria Sklodowska-Curie Memorial Cancer Center and Institute of Oncology, Department of Nuclear Medicine and Endocrine Oncology, Gliwice, Poland

SUNDAY, September 2nd, 2007

Defining a New Future for Medullary Thyroid Cancer - Sponsored by AstraZeneca

CLINICAL

17.15 - 18.45 | Big Lecture Hall

Chairperson: Martin Schlumberger, Villejuif, France

Treatment pathways and outcome measures used in medullary thyroid cancer
Steve Sherman, Houston, USA

Impact of genotyping on treatment strategies for MTC
Henning Dralle, Halle, Germany

Targeting kinase signalling in thyroid cancer: experience with Vandetanib
Samuel A. Wells Jr., Washington, USA

MONDAY, September 3rd, 2007

Oral Session: Clinical / Autoimmunity

08.30 - 10.30 | Big Lecture Hall

Chairpersons: Paolo Vitti, Pisa, Italy
Anja Eckstein, Essen, Germany

Needle-Free Delivery of Lidocaine for Reducing the Pain Associated with the Fine-Needle Aspiration Biopsy of Thyroid Nodules: Time Saving and Efficacious Procedure
Alptekin Gursoy, Ankara, Turkey[1], D.T. Ertugrul[1], M. Sahin[1], N. Bascil Tutuncu[1], A. Nar Demirer[1], N. Guvener Demirag[1]
[1] Baskent University Faculty of Medicine, Endocrinology and Metabolism, Ankara

Consequences of the National Academy of Clinical Biochemistry (NACB) proposal for Serum-Thyrothropin (TSH) reference intervals
Esther A. Jensen, Odense, Denmark[1], P.H. Petersen[2], O. Blaabjerg[1], L. Hegedüs[3]
[1] Odense University Hospital, Department of Clinical Biochemistry, Odense, [2] University of Bergen, NOKLUS, Bergen, [3] Odense University Hospital, Department of Endocrinology and Metabolism, Odense

Number or urine samples needed to estimate the iodine intake in a population and in an individual
Stig Andersen, Aalborg, Denmark[1], J. Karmisholt[1], K.M. Pedersen[1], P. Laurberg[1]
[1] Aalborg Hospital, Århus University Hospital, Endocrinology, Aalborg

Do WHO Guidelines for Neonatal Blood TSH accurately reflect population Iodine Status?
Robert Burns, Dublin, Ireland[1], P. Mayne[2], D. Smith[1], A. Staines[3], C. O' Herlihy[4], P. Smyth[1]
[1] UCD Conway Institute, Dublin, [2] Childrens University Hospital, Dublin, [3] UCD School of Medicine and Medical Science, Dublin, [4] National Maternity Hospital, UCD, Dublin

Patients and clinicians offer complementary perspectives on what is relevant when evaluating quality of life in thyroid patients
Torquil Watt, Copenhagen, Denmark[1,2], L. Hegedüs[3], Å. K. Rasmussen[1], M. Groenvold[2], S.J. Bonnema[3], J.B. Bjorner[4], U. Feldt-Rasmussen[1]
[1] Copenhagen University Hospital Rigshospitalet, Department of Medical Endocrinology, Copenhagen, [2] University of Copenhagen, Health service research, Copenhagen, [3] Odense University Hospital, Department of Medical Endocrinology and Metabolism, Odense, [4] QualityMetric Inc., Science team, Lincoln, RI

The degree of hyperthyrodism determines persistently reduced white matter glutamine in treated Graves' disease

Ulla Feldt-Rasmussen, Copenhagen, Denmark[3], E.R. Danielsen[1], T.V. Elberling[2,3], Å. K. Rasmussen[3], J. Dock[2], M. Hørding[2], H. Perrild[4], G. Waldemar[2], C. Thomsen[1]

[1] National University Hospital, Department of Radiology, Copenhagen, [2] National University Hospital, Memory Disorder Unit, Copenhagen, [3] National University Hospital, Department of Medical Endocrinology, Copenhagen, [4] Bispebjerg Hospital, Department of Internal Medicine, Copenhagen

Selenomethionine administration may attenuate proinflammation in De Quervain's subacute thyroiditis

Leonidas Duntas, Athens, Greece[1], E. Loukari[2], E. Mantzou[3], B. Grab-Duntas[4], E. Pitsouni[3]

[1] Evgenidion Hospital, Endocrinology, Athens, [2] Evgenidion Hospital, Endocrinology, Athens, [3] Evgenidion Hospital, Laboratory Medicine, Athens, [4] Medical Center, Nuclear Medicine, Athens

The effect of rituximab in thyroid pohthalmopathy may be dependent on reduced antigen B-cell presentation in the orbit

Irene Campi, Milan, Italy[1], G.M. Vannucchi[1], P. Bonara[2], N. Currò[3], D. Dazzi[4], S. Rossi[5], S. Simonetta[3], C. Guastella[6], P. Beck-Peccoz[1], M. Salvi[1]

[1] University of Milan, Fondazione Policlinico, Department of medical Science, Endocrine Unit, Milan, [2] University of Milan, Fondazione Policlinico, Internal Medicine, Milan, [3] University of Milan, Fondazione Policlinico, Ophthalmology, Milan, [4] Ospedale di Fidenza, Division of Internal Medicine, Fidenza, [5] University of Milan, Ospedale S. Paolo, Pathology, Milan, [6] University of Milan, Fondazione Policlinico, Orbital Surgery, Milan

MONDAY, September 3rd, 2007

Oral Session:
Thyroid Cell Biology and Hormone Metabolism

08.30 - 10.30 | Small Lecture Hall

Chairpersons: Anita Boelen, Amsterdam, The Netherlands
Roland Gärtner, Munich, Germany

The inactivation of the Thyroid Hormone Receptor β, in the thyroid leads to a new functional steady-state of the gland probably dependent on the down-regulated expression of iodothyronine deiodinases.
Samia Selmi-Ruby, Lyon, France[1], A. Conscience[2], S. Durand[1], F. Bernier-Valentin[1], O. Chassande[2], J. Samarut[2], B. Rousset[1]
[1] Faculté de Médecine Laennec, Inserm UMR 664, Lyon, [2] Ecole normale Supérieure, CNRS UMR 5665, Lyon

Mice deficient in the thyroid hormone transporter MCT8 exhibit tissue-specific abnormalities in thyroid hormone metabolism
Heike Heuer, Jena, Germany[1], M. Trajkovic[1], J. Mittag[2], V. Darras[3], K. Bauer[2], T. Visser[4]
[1] Leibniz Institute for Age Research/Fritz Lipmann Institute, Jena, [2] Max Planck Institute for Experimental Endocrinology, Hannover, [3] Katholieke Universiteit, Leuven, [4] Erasmus University, Rotterdam

hOATP1B1: an important factor in hepatic thyroid hormone transport and metabolism
Wendy van der Deure, Rotterdam, The Netherlands[1], E. Friesema[1], R. Peeters[1], T. Visser[1]
[1] Erasmus University Medical Center, Internal Medicine, Rotterdam

Screening potential endocrine disruptors of T3-dependent transcriptional regulation
Peter Josef Hofmann, Berlin, Germany[1], L. Schomburg[1], J. Köhrle[1]
[1] Charité - Universitätsmedizin, Institut für Experimentelle Endokrinologie, Berlin, Germany

Expression of deiodinases D1, D2 and D3 mRNA in hearts of amiodarone and dronedarone treated rats
Hermina C van Beeren, Amsterdam, The Netherlands[1], W. Wiersinga[1]
[1] Academic Medical Center, Endocrinology and Metabolism, Amsterdam

Comparison of TSH and FSH binding to their respective receptors at molecular level

Ricardo Nunez Miguel, Cardiff, UK[1,2], D.Y. Chirgadze[2], J. Sanders[1], P. Sanders[1], S. Baker[1], A. Sullivan[1], A. Bhardwaja[1], J. Bolton[1], N. Nakatake[1], M. Evans[1], T. Richards[1], M. Powell[1], T.L. Blundell[2], J. Furmaniak[1], B. Rees Smith[1]

[1] FIRS Laboratories, RSR Ltd, Cardiff, [2] University of Cambridge, Department of Biochemistry, Cambridge

TSH-mediated expression of S100 Ca2+ binding proteins affects calcium-dependent signal transduction in thyroid cells

Stephan Lorenz, Leipzig, Germany[1], M. Eszlinger[1], K. Krohn[2]

[1] University of Leipzig, Medical Faculty, Medical Clinic III, Leipzig, [2] University of Leipzig, Medical Faculty, IZKF, Leipzig

Ghrelin inhibits in vitro thyroid cell function

Birgitte Holst, Copenhagen, Denmark[1], M.-L. Hartoft-Nielsen[2], Å. K. Rasmussen[2], D. Woldbye[3], U. Feldt-Rasmussen[2]

[1] University of Copenhagen, Laboratory of Molecular Pharmacology, Department of Pharmacology, Copenhagen, Denmark, [2] University of Copenhagen, Department of Medical Endocrinology, Rigshospitalet, Copenhagen, Denmark, [3] University of Copenhagen, Laboratory of Neuropsychiatry, Department of Pharmacology, Copenhagen, Denmark

MONDAY, September 3rd, 2007

Guideline for the Diagnosis and Treatment of Thyroid Nodules

CLINICAL

11.00 - 13.00 | Big Lecture Hall

Chairpersons: Ralf Paschke, Leipzig, Germany
Furio Papini, Siena, Italy

Epidemiology and risks of benign and malignant thyroid diseases
Massimo Tonacchera, Pisa, Italy

Agreement and disagreement between guidelines
Hossein Gharib, Rochester, USA

Recommendations based on evidence and lack of evidence
Enrico Papini, Rome, Italy

Which clinical studies do we need to close the evidence gap?
Laszlo Hegedüs, Odense, Denmark

MONDAY, September 3rd, 2007

Molecular Genetics of Thyroid Gland Development and its Disorders

BASIC

11.00 - 13.00 | Small Lecture Hall

Chairpersons: Gilbert Vassart, Brussels, Belgium
Annette Grüters-Kieslich, Berlin, Germany

Molecular mechanisms of thyroid organogenesis and its disorders
Roberto Di Lauro, Naples, Italy

What determines the position and shape of the thyroid gland?
Mikael Nilsson, Gothenborg, Sweden

New candidate genes for congenital hypothyroidism based on the role of vessels in thyroid development
Heiko Krude, Berlin, Germany

MONDAY, September 3rd, 2007

ETA Merck Prize

14.00 - 14.30 | Big Lecture Hall

Thyroid cancer genetics and targeted kinase inhibitors: new opportunities, new challenges
James A Fagin, New York, USA

MONDAY, September 3rd, 2007

Meet-the-Expert 2

CLINICAL

14.30 - 15.30 | Small Lecture Hall

The spectrum of subclinical hyperthyroidism
George Kahaly, Mainz, Germany

MONDAY, September 3rd, 2007

Meet-the-Expert 3

CLINICAL

14.30 - 15.30 | Seminar 2

EUGOGO Guidelines
Luigi Bartalena, Varese, Italy

MONDAY, September 3rd, 2007

Poster Discussion: Cancer I

14.30 - 15.30 | Seminar 1

Chairperson: Barbara Jarzab, Gliwice, Poland

P 31 *SU11248, an oral multi-kinase inhibitor, shows antiproliferative and anti-tumaoral activity in a human medullary thyroid carcinoma model*
Sophie Broutin, Villejuif, France[1], N. Ameur[1], F. Gug[2], H. Galons[2], C. Dupuy[1], M. Schlumberger[1], J.-M. Bidart[1]
[1] Institute Gustave Roussy, Villejuif, [2] University Paris V, Paris

P 28 *Effects of 1,25(OH)2D3 and analog WY1112 on proliferation and differentiation of FRO cells*
Isabelle Clinckspoor, Leuven, Belgium[1], L. Verlinden[1], M. Verstuyf[1], R. Bouillon[1], B. Decallonne[1]
[1] KULeuven, Leuven

P 27 *Antiproliferative effect of type I protein kinase a activation in poorly differentiated thyroid cancer.*
Simona Lucchi, Milan, Italy[1], R. Trivellato[1,2], D. Calebiro[1,2], T. de Filippis[1], P. Porazzi[1], G. Mantovani[2], A. Spada[2], P. Beck-Peccoz[2], L. Persani[1,2]
[1] IRCCS Istituto Auxologico Italiano, Lab of Experimental Endocrinology, Milan, [2] University of Milan, Dept of Medical Sciences, Milan

P 29 *Inhibition of thyroid carcinoma cells by the multi-kinase inhibitor sorafenib is independent of the presence of BRAF mutations*
Martina Broecker-Preuss, Essen, Germany[1], M. Britten[2], A. Redmann[2], K. Worm[3], S.-Y. Sheu[3], K.W. Schmid[3], K. Mann[1]
[1] University Clinic, Clinic of Endocrinology, Essen, [2] University Clinic, Clinic of Endocrinology, Essen, [3] University Clinic, Institute of Pathology, Essen

P 30 *The expression of PTEN tumor suppressor is down regulated by the dominant negative p73 isoform ¢Np73 in thyroid cancer cells*
Veronica Vella, Catania, Italy[1], C. Puppin[1], L. Messina[1], M. Sanfilippo[1], R. Vigneri[1], G. Damante[1], F. Frasca[1]
[1] University, Endocrinology, Catania

P 32 *The potential of Astatine-211 for NIS-mediated radionuclide therapy in prostate cancer in vitro and in vivo*
Michael Willhauck, Munich, Germany[1], B.-R. Sharif Samani[1], N. Wunderlich[1], I. Wolf[2], R. Senekowitsch-Schmidtke[2], G.-J. Meyer[3], W. Knapp[3], B. Göke[1], J.C. Morris[4], C. Spitzweg[1]
[1] Ludwig Maximilians University, Department of Internal Medicine II, Munich, [2] Technical University Munich, Department of Nuclear Medicine, Munich, [3] Medizinische Hochschule Hannover, Department of Nuclear Medicine, Hannover, [4] Mayo Clinic, Department of Endocrinology, Rochester

MONDAY, September 3rd, 2007

Poster Discussion: Clinical

14.30 - 15.30 | Seminar 6

Chairperson: Istvan Szabolcs, Budapest, Hungary

P 116 *Efficacy and safety of radiofrequency thermal ablation in the treatment of thyroid nodules with pressure symptoms in elderly patients*
Antongiulio Faggiano, Naples, Italy[1], C. Di Somma[1], F. Milone[1], V. Ramundo[1], R. Garberoglio[2], G. Lombardi[1], A. Colao[1], S. Spiezia[3]
[1] "Federico II" University, Department of Molecular and Clinical Endocrinology and Oncology, Naples, [2] "Mauriziano Hospital", Unit of Endocrinology and Ultrasound, Turin, [3] "S. Maria del Popolo degli Incurabili" Hospital, Unit of Surgery, Ultrasound Guided & Neck Pathologies Surgery, Naples

P 112 *Significant interaction between familial predisposition and environmental exposure in goitre etiology*
Nils Knudsen, Copenhagen, Denmark[1], H. Perrild[1], P. Laurberg[2], I. Bülow[2], T. Jørgensen[3], L. Ovesen[4], L. Rasmussen[5]
[1] Bispebjerg University Hospital, Endocrinology, Copenhagen, [2] Aalborg University Hospital, Endocrinology, Aalborg, [3] Glostrup University Hospital, Centre for Preventive Medicine, Copenhagen, [4] The Danish Heart Foundation, Copenhagen, [5] Danish Veterinary and Food Administration, Copenhagen

P 111 *QT dispersion in subclinical hypothyroidism*
Okan Bakiner, Adana, Turkey[1], M.E. Ertorer[1], F.E. Haydardedeoglu[1], E. Bozkirli[1], N.B. Tutuncu[2], N.G. Demirag[2]
[1] Baskent University Faculty of Medicine, Endocrinology and Metabolism, Adana, [2] Baskent University Faculty of Medicine, Endocrinology and Metabolism, Ankara

P 114 *Graves' disease in pregnancy complicated with fetal goitrous hypothyroidism - successful in utero treatment with L-thyroxine*
Åse Krogh Rasmussen, Copenhagen, Denmark[1], K. Sundberg[2], V. Brocks[2], U. Feldt-Rasmussen[1]
[1] National University Hospital, Department of Medical Endocrinology, Copenhagen, Denmark, [2] National University Hospital, Department of Gynecological Ultrasound, Copenhagen, Denmark

P 113 *Clinical and epidemiological characteristics of thyroid hemiagenesis: ultrasound screening in patients with thyroid disease and normal population*
Alptekin Gursoy, Ankara, Turkey[1], C. Anil[1], A. Dogruk Unal[1], A. Nar Demirer[1], N. Bascil Tutuncu[1], M.F. Erdogan[2]
[1] Baskent University Faculty of Medicine, Endocrinology and Metabolism, Ankara, [2] Ankara University Faculty of Medicine, Endocrinology and Metabolism, Ankara

P 115

The thyroid isthmus does not contain C-cells

Christian Vorländer, Frankfurt/ M., Germany[1], S. Kriener[2], R. Lienenlüke[1], R.A. Wahl[1]

[1] Bürgerhospital Frankfurt am Main, Surgery, Frankfurt am Main

[2] University of Frankfurt am Main, Institute of Pathology, Frankfurt am Main

TUESDAY, September 4th, 2007

Young Investigator Session

08.30 - 10.30 | Big Lecture Hall

Chairpersons: Onno Bakker, Amsterdam, The Netherlands
Dagmar Führer, Leipzig, Germany

1513A/C polymorphism in the P2X7 receptor gene in papillary thyroid cancer: correlation with the follicular variant and clinical outcome
Angela Dardano, Pisa, Italy[1], S. Falzoni[2], A. Bemi[1], A. Polini[1], S. Tognini[1], F. Di Virgilio[2], F. Monzani[1]
[1] University of Pisa, Internal Medicine, Pisa, [2] University of Ferrara, Department of Experimental and Diagnostic Medicine, Ferrara

Mechanisms involved in loss of function caused by mutations in thyroid hormone transporter MCT8.
Jurgen Jansen, Rotterdam, The Netherlands[1], E. Friesema[1], M. Kester[1], C. Schwartz[2], T. Visser[1]
[1] Erasmus University Medical Center, Internal Medicine, Rotterdam, [2] Greenwood Genetic Center, JC Self Research Institute of Human Genetics, Greenwood, SC

L-tiroxine (L-T4) requirement in patints with autoimmune hypothyroidism and parietal cell antibodies (PCA)
Serenella Checchi, Siena, Italy[1], A. Montanaro[1], E. Guarino[1], B. Tarantini[1], C. Ciuoli[1], M.C. Chiappetta[1], M.G. Castagna[1], F. Sestini[1], L. Pasqui[1], F. Pacini[1]
[1] University of Siena, Endocrinology and Metabolism, Siena

The inactivation of the Connexin32 gene causes a reduction of the oncogenic potential of RET/PTC3 and E7 in mice
Gaëlle Prost, Lyon, France[1], F. Bernier-Valentin[1], M. Croset[1], B. Rousset[1]
[1] Faculté de Médecine Laennec, Inserm UMR 664, Lyon

The high basal activity of the TSHR increases its susceptibility for constitutively activating mutations
Gunnar Kleinau, Berlin, Germany[1], H. Jaeschke[2], S. Mueller[2], M. Claus[2], R. Paschke[2], G. Krause[1]
[1] Leibniz-Institut für molekulare Pharmakologie, Bioinformatics and Protein Design, Berlin, [2] University of Leipzig, III. Medical Department, Leipzig

The forkhead box transcription factor Foxa2 is excluded from the median thyroid anlage and the ultimobranchial bodies in the anterior endoderm but is an early marker of C-cell progenitors

Henrik Fagman, Gothenborg, Sweden[1], J. Westerlund[1], L. Andersson[1], T. Carlsson[1], M. Nilsson[1]

[1] Gothenborg University, Department of Medical Chemistry and Cell Biology, Gothenborg

Identification of a candidate chromosomal region using a SNP linkage panel suggests a second locus responsible for non-RET MEN2 families

Cristina Montero-Conde, Madrid, Spain[1], S. Ruiz-Llorente[2], O. González-Albarrán[3], I. Landa[1], G. Pita[4], R. Milne[4], S. Leskelä[1], E. López-Jiménez[1], M. Urioste[5], R. Letón[1], A. Cascón[1], C. González-Antona[1], A. González-Neira[4], M. Robledo[1]

[1] Spanish National Cancer Centre (CNIO), Hereditary Endocrine Cancer Group, Madrid, [2] Biomedical Research Institute, Department of Molecular Endocrinology, Madrid, [3] Hospital Ramón y Cajal, Department of Endocrinology, Madrid, [4] Spanish National Cancer Centre (CNIO), Genotyping Units (CeGen, Madrid Node), Madrid, [5] Spanish National Cancer Centre (CNIO), Department of Human Genetics, Madrid

Induction of hyaluronan synthase 2 and 3 mRNA in differentiated human orbital fibroblasts by Graves IgG but not by control IgG

Clementine van Zeijl, Amsterdam, The Netherlands[1], A. Boelen[1], M. Mourits[2], E. Fliers[1], W. Wiersinga[1]

[1] Academical Medical Centre, Endocrinology and Metabolism, Amsterdam, [2] Academical medical Center, Orbita Centre, Department of Ophthalmology, Amsterdam

TUESDAY, September 4th, 2007

Lissitzky Award

10.30 - 10.45 | Big Lecture Hall

TUESDAY, September 4th, 2007

Interactive Session of Thyroid Cases: Endocrine Ophthalmophaty

CLINICAL

11.15 - 12.45 | Big Lecture Hall

Chairperson: Wilmar Wiersinga, Amsterdam, The Netherlands

Serious side-effects of intraveneous glucocorticoid treatment in severe endocrine ophthalmopathy
Maria Lendorf, Copenhagen, Denmark

A case of Graves' orbitopathy with progressive worsening despite immunosuppressive therapy
C. Marcocci[1], R. Rocchi[1], M. Marinò[1], M.A. Altea[1], A. Pinchera[1]
[1] Department of Endocrinology and Metabolism, University of Pisa, Pisa, Italy

Complex etiology for an increased activity of endocrine ophthalmopathy partly resolved after total thyroidectomy
K. Kühn[1], R. Paschke[1]
[1] IIIrd Medical Department Univerty of Leipzig, Germany

TUESDAY, September 4th, 2007

Oral Session: Cancer I

11.15 - 12.45 | Small Lecture Hall

Chairpersons: Murat Erdogan, Ankara, Turkey
Henning Dralle, Halle, Germany

Initial Results From a Phase 2 Trial of AMG 706 in patients (pts) with differentiated thyroid cancer (DTC)
Steven Sherman, Housten, USA[1], M. Schlumberger[2], J.P. Droz[3], M. Hofmann[4], L. Wirth[5], L. Bastholt[6], R. Martins[7], L. Licitra[8], Y. Shi9, D. Stepan[9]
[1] University of Texas M.D. Anderson Cancer Center, Endocrine Neoplasia and Hormonal Disorders, Houston, TX, USA, [2] Institut Gustave Roussy, Service De Medecine Nucleaire, Villejuif, France, [3] Centre Leon Berard, Lyon, France, [4] Inselspital, Medical School Bern, Bern, Switzerland, [5] Dana-Farber Cancer Institute, Head and Neck Oncology, Boston, MA, USA, [6] Odense University Hospital, Oncology, Odense, Denmark, [7] Seattle Cancer Care Alliance, Medical Oncology, Seattle, WA, USA, [8] Istituto Nazionale dei Tumori, Medical Oncology Unit C, Milano, Italy, [9] Amgen Inc., Thousand Oaks, CA, USA

Celecoxib might play a role in making medullary thyroid cancer cells (TT) more sensitive to chemotherapy by reducing COX-2 and MDR-1 mRNA expression
Agnese Vivaldi, Pisa, Italy[1], L. Agate[1], B. Cosci[1], P. Collecchi[2], A. Capodanno[2], V. Bottici[1], A. Biagini[1], A. Pinchera[1], A. Pinchera[1]
[1] University of Pisa, Department of Endocrinology, Pisa, [2] University of Pisa, Department of Oncology, Pisa

Effects of superactive human TSH analog on thyroidal uptake of 18F-fluorodeoxyglucose and 131I-IODIDE
Olaf Prante, Erlangen, Germany[1], S. Maschauer[1], V. Fremont[2], V. Wolf[2], B. Weintraub[2], M. Szkudlinski[2], T. Kuwert[1]
[1] Friedrich Alexander University, Laboratory of Molecular Imaging, Erlangen, [2] Trophogen, Inc., Rockville, MD

TCF/LEF factors in thyroid cells: indicative for a conserved regulatory Wnt signature reminiscent of stem cell niches and colon cancer cell
Murat Uenalan, Hannover, Germany[2], G. Brabant[1]
[1] Christie Hospital, UoM, Endocrinology, Manchester, [2] Medizinische Hochschule Hannover, Pediatric Oncology, Hannover

BRAFV600E mutations are correlated with a lower expression of both NIS and TPO mRNA expression in papillary thyroid cancer (PTC)

Cristina Romei, Pisa, Italy[1], R. Ciampi[1], P. Faviana[2], F. Basolo[2], V. Bottici[1], D. Viola[1], P. Berti[3], E. Molinaro[1], A. Pinchera[1], R. Elisei[1]

[1] University of Pisa, Department of Endocrinology, Pisa, [2] University of Pisa, Department of Oncology, Pisa, [3] University of Pisa, Department of Surgery, Pisa

Prophylactic central and lateral lymph node dissection in patients with papillary thyroid carcinoma

Sebastien Vergez, Toulouse, France[1], J. Sarini[2], X. Rose[1], J. Percodani[1], E. Serrano[1], P. Caron[3]

[1] Rangueil-Larrey Hospital, Otolaryngology, Toulouse, [2] Claudius Regaud Institute, Surgery, Toulouse, [3] Rangueil-Larrey Hospital, Endocrinology, Toulouse

TUESDAY, September 4th, 2007

Thyroid Cancer Management: What is the Current State of the Art? Sponsored by Genzyme

CLINICAL

13.00 - 14.30 | Big Lecture Hall

Chairperson: Martin Schlumberger, Villejuif, France

The ablation of remnant thyroid tissue: An update
Rosella Elisei[1], Pisa, Italy
[1]University of Pisa, Italy

Diagnostic follow up: What you do matters?
Maria Alevizaki[1], Athens, Greece
[1] Athens University School of Medicine, Athens, Greece

TUESDAY, September 4th, 2007

Meet-the-Expert 4

CLINICAL

14.30 - 15.30 | Seminar 1

Changing incidence (Epidemiology) of thyroid diseases
Peter Laurberg, Aalborg, Denmark

TUESDAY, September 4th, 2007

Meet-the-Expert 5

BASIC

14.30 - 15.30 | Seminar 6

Ironing the thyroid (the rusty organ) Fe-Se-1 interactions, micronutrients and thyroid function
Michael Zimmermann, Zurich, Switzerland

TUESDAY, September 4th, 2007

Poster Discussion: Cell Biology

BASIC

14.30 - 15.30 | Small Lecture Hall

Chairperson: Geraldo Medeiros-Neto , Sao Paulo, Brazil

P 93 *Proliferation of thyroid papillary carcinomas is dependent by Ca2+-calmodulin dependent kinase II*

Maddalena Illario, Naples, Italy[1], R. La rocca[1], M.R. Rusciano[1], R. Bonavita[1], S. Monaco[1], M. Salzano[1], S. Maione[1], F. Gatta[1], M. di Salvio[1], D. Femminella[1], G. Fenzi[2], G. Rossi[1], M. Vitale[2]

[1] University of Naples Federico II, Biologia e Patologia Cellulare e Molecolare, Naples, [2] University of Naples Federico II, Endocrinologia e Oncologia Molecolare e Clinica, Naples

P 89 *Cooperation of the Transmembrane Helices in the Process of TSHR Activation*

Holger Jaeschke, Leipzig, Germany[1], G. Kleinau[2], J. Sontheimer[1], G. Krause[2], R. Paschke[1]

[1] University of Leipzig, III. Medical Department, Leipzig, [2] Leibniz-Institut für Molekulare Pharmakologie, Berlin

P 91 *No Correlation of TSH Receptor (TSHR) Mutation's In Vitro Activity with the Clinical Course of Patients with Sporadic Non-autoimmune Hyperthyroidism*

Julia Lüblinghoff, Leipzig, Germany[1], S. Müller[1], J. Sontheimer[1], R. Paschke[1]

[1] University of Leipzig, Department of Internal Medicine III, Leipzig

P 90 *Image-guided radioiodine therapy of melanoma following tumor-specific sodium iodide symporter (NIS) gene transfer*

Christine Spitzweg, Munich, Germany[1], A. Kessel[1], M. Willhauck[1], B.-R. Sharif Samani[1], C. Berking[2], R. Vile[3], B. Göke[1], J.C. Morris[4]

[1] Ludwig Maximilians University, Department of Internal Medicine II, Munich, [2] Ludwig Maximilians University, Department of Dermatology, Munich, [3] Mayo Clinic, Molecular Medicine Program, Rochester, [4] Mayo Clinic, Department of Endocrinology, Rochester

P 88 *Iodine deficiency activates antioxidant genes and causes DNA damage in the thyroid gland of rats and mice*

Jacqueline Maier, Leipzig, Germany[1], H. van Steeg[2], C. van Oostrom[2], R.E. Weiss[3], R. Paschke[1], K. Krohn[1,4]

[1] University of Leipzig, III. Medical Department, Leipzig, Germany, [2] RIVM, Laboratory of Toxicology, Pathology and Genetics, Bilthoven, Netherlands, [3] University of Chicago, [4]Thyroid Study Unit - Department of Medicine, Chicago, USA, [4] University of Leipzig, Interdisciplinary Centre for Clinical Research, Leipzig, Germany

P 92

Functional and molecular characterization of wild type pendrin and some mutants found in the spanish population

Silvia Dossena, Milan, Italy[1], A. Pera[2], S. Rodighiero[3], V. Cirello[4], A. Maraschi[1], V. Vezzoli[1], L. Fugazzola[4], G. Bottà[1], C. Hernandez-Chico[2], M. Paulmichl[1,5]

[1] University of Milano, Department of Biomolecular Sciences and Biotechnology, Milano, [2] Hospital Ramon y Cajal, Unidad de Genetica Molecular, Madrid, [3] University of Milano, CIMAINA, Milano, [4] University of Milano, Department of Medical Sciences and Fondazione Policlinico IRCCS, Milano, [5] Innsbruck Medical University, Institute of Physiology and Medical Physics, Innsbruck

P 94

The Na+/I- symporter (NIS) transports two of its substrates, I- and ClO4-, with different stoichiometries

Orsolya Dohan, New York, USA[1,2], C. Portulano[1], C. Basquin[1], N. Carrasco[1]

1 Albert Einstein College of Medicine, Molecular Pharmacology, Bronx, New York, USA, 2 Institute of Experimental Medicine of the Hungarian Academy of Sciences, Endocrine Neurobiology, Budapest, Hungary

TUESDAY, September 4th, 2007

Poster Discussion: Cancer II

14.30 - 15.30 | Big Lecture Hall

Chairperson: Rosella Elisei, Pisa, Italy

P 37 *How molecular exploration of 11 classes of follicular thyroid lesions improves the classification of tumour of uncertain malignant potential*
Jean-Fred Fontaine, Angers, France[1], F. Savagner[1], D. Mirebeau[1], M. Raharijaona[2], R. Houlgatte[2], B. Franc[3], Y. Malthièry[1]
[1] INSERM U694, Angers, [2] INSERM U533, Nantes, [3] Hopital A. Paré, Boulogne

P 38 *Validation of potential molecular markers of papillary thyroid carcinoma by quantitative real-time PCR*
Monika Kowal, Gliwice, Poland[1], A. Kukulska[1], M. Kowalska[1], E. Chmielik[2], E. Stobiecka[2], E. Gubala[1], A. Czarniecka[3], J. Wloch[3], T. Tyszkiewicz[1], B. Jarzab[1]
[1] MSC Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Poland, Department of Nuclear Medicine and Endocrine Oncology, Gliwice, [2] MSC Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Poland, Department of Pathology, Gliwice
[3] MSC Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Poland, Oncological Surgery Clinic, Gliwice

P 35 *Epidemiological evidence for a link between dental X-rays and thyroid cancer Anjum Memon, Dillwyn Williams, Sara Godward*
Anjum Memon, Brighton, UK[1], D. Williams[2], S. Godward[2]
[1] Brighton and Sussex Medical School, Brighton
[2] University of Cambridge, Cambridge

P 36 *Outcome of differentiated thyroid cancer diagnosed in pregnant women*
Michela Perrino, Milan, Italy[1], G.M. Vannucchi[1], L. Vicentini[2], D. Mannavola[1], P. Beck-Peccoz[1], L. Fugazzola[1]
[1] University of Milan, Fondazione Policlinico, Dept. of Medical Sciences, Endocrine Unit, Milan, [2] University of Milan, Fondazione Policlinico, Surgery Unit, Milan

P 33 *Is a 2nd RH-TSH stimulation test (2-3 years after the first assessment) needed in patients with differentiated thyroid carcinoma (DTC) who have undetectable basal serum thyroglobulin (TG) levels?*
Mariagrazia Castagna, Siena, Italy[1], L. Brilli[1], T. Pilli[1], A. Montanaro[1], E. Guarino[1], M. Capezzone[1], C. Cipri[1], C. Fioravanti[1], F. Sestini[1], M. Ghezzi[1], C. Ciuoli[1], F. Pacini[1]
[1] University of Siena, Endocrinology and Metabolism, Siena

P 34

The role of RET genotypes as modifier loci for sporadic medullary thyroid cancer

Marina Muzza, Milan, Italy[1], C. Mian[2], D. Cordella[3], S. Barollo[2], L. Alberti[3], V. Cirello[1], D. Dazzi[1], M.E. Girelli[2], G. Opocher[2], P. Beck-Peccoz[1], L. Persani[1,3], L. Fugazzola[1]

[1] University of Milan, Fondazione Policlinico, Dept. of Medical Sciences, Endocrine Unit, Milan, [2] University Hospital of Padova, Department of Medical and Surgical Sciences, Endocrinology Unit, Padova, [3] Istituto Auxologico Italiano, Endocrinology, Milan

TUESDAY, September 4th, 2007

Live Fast Die Young? Thyroid Hormone Catalysed Energy Metabolism

BASIC

15.45 - 17.45 | Big Lecture Hall

Chairpersons: Graham Williams, London, UK
Knut Krohn, Leipzig, Germany

Cool thyroid hormone metabolites: Thyronamines decreasebody temperature
David Grandy, Portland, USA

Hypothalamic Dio2-mediated regulation of feeding and thermogenesis
Sabrina Diano, Yale, USA

Iodothyronines and skeletal muscle energy metabolism
Antonia Lanni, Caserta, Italy

Autonomic nervous system and metabolism: a role for thyroid hormone?
Eric Fliers, Amsterdam, The Netherlands

TUESDAY, September 4th, 2007

Oral Session: Cancer II

15.45 - 17.45 | Small Lecture Hall

Chairpersons: Giancarlo Veccio, Naples, Italy
Osama Sabri, Leipzig, Germany

Combined Immunostaining with Galectin-3, Fibronectin-1, CITED-1, HBME-1, Cytokeratin-19, PPAR-gamma and NIS Antibodies for the Differential Diagnosis of Thyroid Carcinoma
Johannes Smit, Leiden, The Netherlands[1], H. Morreau[2], J. Romijn[1], Y.Y. Liu[1], N. Carrasco[3]
[1] Leiden University Medical Center, Endocrinology, Leiden, [2] Leiden University Medical Center, Pathology, Leiden, [3] Albert Einstein College of Medicine, Molecular Pharmacology, New York

Cell adhesion proteins expression in papillary thyroid cancer
Mycola Chekan, Gliwice, Poland[1], B. Nikiel[2], W. Wierzchowski[3], D. Lange[2], B. Jarzab[1], J. Stachura[3]
[1] MSC Memorial Cancer Center Institute of Oncology, Nuclear Medicine and Endocrine Oncology, Gliwice, [2] MSC Memorial Cancer Center and Institute of Oncology, Pathology, Gliwice, [3] Jagiellonian University, Pathomorphology, Krakow

Gene expression and the biological phenotype of papillary thyroid carcinomas
Laurent Delys, Brussels, Belgium[1]
[1] IRIBHM Univesité Libre de Bruxelles, Brussels

Expression of hypoxia-related genes in papillary thyroid cancer
Agnieszka Dubiel, Gliwice, Poland[1], M. Kowal[1], M. Jarzab[2], K. Fujarewicz[3], T. Tyszkiewicz[1], M. Kowalska[1], M. Oczko-Wojciechowska[1], B. Jarzab[1]
[1] MSC Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Poland, Department of Nuclear Medicine and Endocrine Oncology, Gliwice, [2] MSC Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Poland, Department of Tumor Biology, Gliwice, [3] Institute of Automatic Control, Technical University, Gliwice

Fetal cell microchimerism in papillary thyroid cancer
Valentina Cirello, Milan, Italy[1], M. Muzza[1], M.P. Recalcati[2], S. Rossi[3], M. Perrino[1], P. Finelli[2], P. Beck-Peccoz[1], L. Fugazzola[1]
[1] University of Milan, Fondazione Policlinico, Dept. of Medical Sciences, Endocrine Unit, Milan, [2] University of Milan, Dept. of Biology and Genetics, Istituto Auxologico Italiano, Cytogenetic and Molecular Biology Lab., Milan, [3] University of Milan, Ospedale San. Paolo, Pathology Unit, Milan

Effect of latency on different types of thyroid cancer post chernobyl
Gerry Thomas, Cardiff, UK[1], M. Tutlle[2], V. LiVolsi[3]
[1] Wales Cancer bank, Cardiff, [2] MSKCC, New York, [3] University of Philadelphia, Philadelphia

Gene alterations in papillary thyroid carcinomas identified by array CGH
Kristian Unger, Neuherberg, Germany[1], E. Malisch[1], H. Braselmann[1], L. Hieber[1], P. Lewis[2], A. Walch[3], G. Jackl[4], T. Bogdanova[5], N. Tronko[5], G. Thomas[6], H. Zitzelsberger[1]
[1] GSF Research Center for Environment and Health GmbH, Institute of Molecular Radiobiology, Neuherberg, [2] South West Wales Cancer Institute, Singleton Hospital, Swansea, [3] GSF Research Center for Environment and Health GmbH, Insitute of Pathology, Neuherberg, [4] GSF Research Center for Environment and Health GmbH, Institute of Radiobiology, Neuherberg, [5] Academy of Medical Sciences of the Ukraine, Institute of Endocrinology and Metabolism, Kiev, [6] Wales Cancer Bank, Cancer Research Wales Laboratories, Velindre Hospital, Cardiff

MiRNA expression profiles in thyroid tumors
Yuri Nikiforov, Pittsburgh, USA[1], D. Diorio[2], M. Nikiforova[1]
[1] University of Pittsburgh, Pathology, Pittsburgh, [2] Cincinnati Children's Hospital, Pathology, Cincinnati

TUESDAY, September 4th, 2007

General Assembly of the European Thyroid Association

17.45 - 19.00 | Big Lecture Hall

WEDNESDAY, September 5th, 2007

Topic Highlights 2

08.30 - 10.30 | Big Lecture Hall

Chairpersons: Ulla Feldt-Rassmusen, Copenhagen, Denmark
Markus Eszlinger, Leipzig, Germany

The Hinge Region of the TSHR - Importance for TSH Binding and Receptor Activation

Sandra Mueller, Leipzig, Germany[1], G. Kleinau[2], H. Jaeschke[1], G. Krause[2], R. Paschke[1]

[1] University of Leipzig, III Medical Department, Leipzig, [2] Leibniz-Institut für Molekulare Pharmakologie, Berlin

Neonatal screening program for congenital hypothroidism: a 7-years experience with low TSH cut-off levels

Luca Persani, Milan, Italy[1,2], P. Viganò[3], F. Cortinovis[4], D. Calebiro[1,2], M. Odoni[4], M.C. Vigone[4], G. Weber[4], C. Corbetta[3]

[1] University of Milan, Dept of Medical Sciences, Milan, [2] IRCCS Istituto Auxologico Italiano, Lab of Experimental Endocrinology, Milan, [3] Ist Clinici Perfezionamento, Neonatal Screening Center, Milan, [4] San Raffaele University, Dept of Pediatrics, Milan

Temporal gene expression profiles during experimental induction of goiter in a non-mammalian model organism, Xenopus laevis

Robert Opitz, Berlin, Germany[1], F. Schmidt[2], T. Braunbeck[2], W. Kloas[3]

[1] Leibniz Institute of Freshwater Ecology and Inland Fisheries, Department of Inland Fisheries, Berlin, [2] University of Heidelberg, Department of Zoology, Heidelberg, [3] Humboldt University, Department of Biology, Berlin

Initial results from a phase 2 trial of AMG 706 in patients (pts) with medullary thyroid cancer (MTC)

Martin Schlumberger, Villejuif, France[1], R. Elisei[2], S. Sherman[3], L. Bastholt[4], L. Wirth[5], R. Martins[6], L. Licitra[7], B. Jarzab[8], F. Pacini[9], C. Daumerie[10], J.P. Droz[11], Y. Shi[12], Y.-N. Sun[12], D. Stepan[12]

[1] Institut Gustave Roussy, Service De Medecine Nucleaire, Villejuif, France, [2] University of Pisa, Endocrinology and Metabolism, Pisa, Italy, [3] University of Texas M.D. Anderson Cancer Center, Endocrine Neoplasia and Hormonal Disorders, Houston, TX, USA, [4] Odense University Hospital, Oncology, Odense, Denmark, [5] Dana-Farber Cancer Institute, Head and Neck Oncology, Boston, MA, USA, [6] Seattle Cancer Care Alliance, Medical Oncology, Seattle, WA, USA, [7] Istituto Nazionale dei Tumori, Medical Oncology Unit C, Milano, Italy, [8] Maria Sklodowska-Curie Memorial Cancer Center and Institute of Oncology, Nuclear Medicine and Endocrine Oncology, Gliwice, Poland, [9] University of Siena, Medicina Interna, Siena, Italy, [10] Université Catholique de Louvain, Endocrinology, Brussels, Belgium, [11] Centre Leon Berard, Lyon, France, [12] Amgen Inc., Thousand Oaks, CA, USA

The synergistic conformational effects of all 3 extracellular loops are required for full TSH-receptor activation

Gerd Krause, Berlin, Germany[1], H. Jaeschke[2], S. Neumann[3], R. Paschke[2], G. Kleinau[1]

[1] Leibniz-Institut für molekulare Pharmakologie, Bioinformatics and Protein Design, Berlin, [2] University of Leipzig, III. Medical Department, Leipzig, [3] National Institutes of Health, NIDDK, Bethesda, USA

Roles of mast cells and their mediators in human thyroid carcinomas

Rosa Marina Melillo, Naples, Italy[1], A. de Paulis[2], V. Guarino[3], M.R. Galdiero[2], N. Prevete[2], I. Fiorentino[2], F. Basolo[4], C. Ugolini[4], M. Santoro[5], G. Marone[2]

[1] University of Naples, School of Biotechnology, DBPCM/IEOS, Naples, [2] University of Naples, School of Medicine and Surgery, Clinical and basic Immunology division, Naples, [3] University of Naples, DBPCM/IEOS, Naples, [4] University of Pisa, School of Medicine and Surgery, Department of Surgery, Pisa, [5] University of Naples, School of Medicine and Surgery, DBPCM/IEOS, Naples

WEDNESDAY, September 5th, 2007

New Developments in Thyroid Autoimmunity

CLINICAL

11.00 - 12.30 | Small Lecture Hall

Chairpersons: Anthony Weetman, Sheffield, UK
Roland Päffle, Leipzig, Germany

What have we learned from genetics about autoimmunity?
Steve Gough, Birmingham, UK

What have we learned from animal models?
Hemmo Drexhage, Rotterdam, The Netherlands

What is new in the thyroid autoimmune field?
Sandy McLachlan, Los Angeles, USA

WEDNESDAY, September 5th, 2007

Life-Long Management of Congenital Hypothyroidism - sponsored by Merck

CLINICAL

11.00 - 12.30 | Big Lecture Hall

Chairpersons: Istvan Szabolcs, Budapest, Hungary
Heiko Krude, Berlin, Germany

11.00 - 11.30 *Life without thyroid hormone: The history of untreated congenital hypothyroidism and the initiation of the first screening programs*
Annette Grüters-Kieslich, Berlin, Germany

11.30 – 11.50 *The first generation: Outcome as young adults diagnosed in neonatal screening programs*
Sonja Heyerdahl, Oslo, Norway

11.50 – 12.10 *The second generation: Recent experience with high dose treatment*
Jacoba Bongers-Schokking, Rotterdam, The Netherlands

12.10 – 12.30 *Multiple effort resistant bad outcomes: Genetic causes for unfavourable outcome*
Heiko Krude, Berlin, Germany

WEDNESDAY, September 5th, 2007

Closing Ceremony

12.30 - 13.00 | Big Lecture Hall

Young Investigators Prize Clinical / Basic sponsored by BRAHMS

Poster Prize (Clinical Prize)

Poster Prize (Basic Prize)

POSTER

Clinical Thyroidology Poster

P 1 *Assessment of disease activity in Graves' Ophthalmopathy by orbital ultrasonography, TSH-receptor stimulating immunoglobulins and clinical parameters*

A. Vryonidou[1], A. Kokkinaki[2], A. Badila[1], N. Lepida[2], S. Mylona[2], C. Phenekos[1]
[1] Red Cross Hospital, Department of Endocrinology, Athens, [2] Red Cross Hospital, Department of Radiology, Athens

Thyroid Autoimmunity Poster

P 2 *Too early to dismiss Yersinia enterocolitica infection in the aetiology of Graves disease. Evidence from a twin case-control study*

T. Brix[1], P.S. Hansen[1,2], L. Hegedüs[1], B. Wenzel[3]
[1] Odense University Hospital, Department of Endocrinology and Metabolism, M, Odense, [2] University of Southern Denmark, Danish Twin Registry, Odense, [3] Medical University Lübeck, Cell and immunobiological Laboratory, Department of Medicine I, Lübeck

P 3 *Association of the functional NFKB1 promoter polymorphism with graves' disease in polish population*

A. Kurylowicz[1], B. Jurecka-Lubieniecka[2], D. Kula[2], M. Kowalska[2], D. Rusinek[2], B. Jarzab[2], T. Bednarczuk[1], J. Nauman[1]
[1] Medical Research Center, Polish Academy of Science, Department of Endocrinology, Warsaw, Poland, [2] Maria Sklodowska-Curie Memorial Cancer Center and Institute of Oncology, Department of Nuclear Medicine and Endocrine Oncology, Gliwice, Poland

P 4 *The Pro12Ala PPARgamma gene polymorphism is associated with less severe and less active graves' orbitopathy (GO).*

M. Alevizaki[1], E. Mantzou[2], A. Cimponeriu[2,3], K. Saltiki[3], G. Philippou[3], W. Wiersinga[4]
[1] Athens University School of Medicine, Evgenideion Hospital, Endocrinology, Metabolism & Diabetes, Athens, [2] Athens University School of Medicine, Evgenideion, Endocrinology, Metabolism & Diabetes, Athens, [3] Athens University School of Medicine, Evgenideion, Endocrinology, Metabolism & Diabetes, Athens, Endocrinology, Metabolism & Diabetes, Athens, [4] Academic Medical Centre, Amsterdam, Endocrinology and Orbital Centre, Amsterdam

P 5 *Interferon-gamma-inducible alpha-chemokines CXCL9 and CXCL11 expression in thyrocytes, fibroblasts and preadipocytes from patients with Graves? ophthalmopathy: modulation by pioglitazone and rosiglitazone.*

P. Fallahi[1], S.M. Ferrari[1], M. Rotondi[2], P. Romagnani[3], S. Sellari Franceschini[4], M. Serio[3], E. Ferrannini[1], A. Antonelli[1]
[1] University of Pisa, Department of Internal Medicine, Pisa, [2] Second University of Naples, Department of Clinical and Experimental Medicine and Surgery "F. Magrassi-A. Lanzara", Naples, [3] University of Florence, Department of Clinical Pathophysiology, Endocrinology Unit, Florence, [4] University of Pisa, Otorhinolaryngology Unit, Pisa

P 6 *Direct assay of TSH receptor autoantibodies causing Graves' disease correlates with the clinical diagnosis closer than assays based on TSH displacement*

U. Loos[1], C. Franz[1], W.B. Minich[1], I. Büsselmann[1]
[1] KreLo GmbH Medical Diagnostics, Ulm

P 7 *Biological variation of thyroid autoantibodies as a tool for future monitoring of patients*

P.H. Petersen[1], E. Jensen[2], O. Blaabjerg[3], L. Hegedüs[3]
[1] University of Bergen, NOKLUS, Bergen, [2] Odense University Hospital, Clinical Biochemistry, Odense, [3] Odense University Hospital, Dept Endocrinology and Metabolism, Odense

P 8 *Low concentrations of thyroid peroxidase antibodies (TPOAb). Real antibodies or analytical noise?*

O. Blaabjerg[1], P.H. Petersen[2], L. Hegedüs[3], E.A. Jensen[1]
[1] Odense University Hospital, Department of Clinical Biochemistry, Odense, [2] University of Bergen, NOKLUS, Bergen, [3] Odense University Hospital, Department of Endocrinology and Metabolism, Odense

P 9 *Reference intervals for anti-thyroid peroxidase antibodies based on National Academy of Clinical Biochemistry criteria and thyroid ultrasonography*

R. Kovatcheva[1], A.-M. Borissova[1], A. Shinkov[1], I. Atanassova[2], N. Aslanova[2], M. Vukov[3]
[1] University Hospital of Endocrinology, Thyroid and mineral bone diseases, Sofia, [2] University Hospital of Endocrinology, Laboratory of Immunology, Sofia, [3] National Center for Medical Information, Sofia

P 10 *Increase of CXCL10 in cocultures of Graves' disease thyrocytes and autologous lymphocytes.*

C. Massart[1], J. Gibassier[1], J.-Y. Poirier[2], I. Guilhem[2]
[1] CHU Rennes, Unité d'Hormonologie, Rennes, [2] CHU Rennes, Unité d'Endocrinologie, Rennes

P 11 *Differential expression of Fas on peripheral T- lymphocytes from patients with Graves' disease and Hashimoto's thyroiditis.*

S. Fountoulakis[1], G. Vartholomatos[2], N. Kolaitis[2], G. Philippou[1], A. Tsatsoulis[1]
[1] University Hospital of Ioaninna, Endocrinology, Ioannina, [2] University Hospital of Ioaninna, Molecular Biology, Ioannina

P 12 *Presence of serum anti-thyroid antibodies (TAb) represents a new predictive parameter in high aggressive breast cancer.*

E. Fiore[1], E. Giustarini[1], C. Mammoli[1], I. Muller[1], C. Giani[1], A. Pinchera[1]
[1] University of Pisa, Endocrinology and Metabolism, Pisa

P 13 *Comparative analysis of blood redox parameters by thyroid function of patients with autoimmunne thyroid diseases*

T. Tsotsonava[1], D. Virsaladze[1], K. Khitarishvili[1], T. Sanikidze[2], D. Tananashvili[3]
[1] Tbilisi State Medical University, Endocrinology, Tbilisi, [2] Tbilisi State Medical University, Medical Physics and Biophysics, Tbilisi, [3] E. Andronikashvili Institute of Physics, Tbilisi

P 14 *Comparative phenotype analysis of intrathyroid and peripheral blood lymphocytes in patients with autoimmune thyroid disorders*

N. Sviridenko[1], S. Stepanova[1], S. Krainova[1], N. Mkrtumova[1], N. Smirnova[1], P. Yushkov[1], V. Kandror[1], S. Prokofiev[1]
[1] Endocrinological Research Centre, Federal Agency of High-Tech Medicine, Moscow

P 15 *Alterations in stimulatory TSH-receptor autoantibodies after B-lymphocyte depletion with Rituximab in Graves´ disease.*

D. El Fassi[1,2], J.A. Gilbert[3], J.P. Banga[3], C.H. Nielsen[2,4], L. Hegedüs[1]
[1] Odense University Hospital, Dept. of Endocrinology and Metabolism, Odense, Denmark, [2] Rigshospitalet National University Hospital, Institute for Inflammation Research, Copenhagen, Denmark, [3] King´s College London School of Medicine, Division of Gene and Cell-Based Therapy, London, UK, [4] Herlev University Hospital, Dept. of Clinical Immunology, Herlev, Denmark

P 16 *Anticlastogenic effect of Ginkgo biloba extract (EGb 761) in Graves´? disease patients receiving radioiodine therapy*

F. Monzani[1], A. Dardano[1], M. Ballardin[2], E. Lazzeri[3], C. Traino[4], N. Caraccio[1], G. Mariani[3], R. Barale[2], M. Ferdeghini[5]
[1] University of Pisa, Internal Medicine, Pisa, [2] University of Pisa, Human and Environmental Sciences, Pisa, [3] University of Pisa, Oncology, Transplants and Advanced Technologies in Medicine, Pisa, [4] S. Chiara Hospital, Health Physics Service, Pisa, [5] University of Verona, Department of Morphological-Biomedical Sciences, Verona

P 17 *Radioiodine therapy of the Marine-Lenhart-Syndrom*

S. Cords[1], J. Prause[1], E. Henze[1], H. Schirrmeister[1]
[1] University of Kiel, Nuclear medicine, Kiel

P 18 *Hashimoto´s thyroiditis and thyroid cancer: results of a echographic, cytological and histological study*

S. Mariotti[1], B. Marziani[1], V. Matta[1], G. Baghino[1], M.L. Lai[2], L. Minerba[3], F. Boi[1]
[1] Endocrinology, University of Cagliari, Department of Medical Sciences "M. Aresu", Monserrato- Cagliari, Italy, [2] University of Cagliari, Department of Cytomorphology, Cagliari, Italy, [3] University of Cagliari, Department of Public Health, Cagliari, Italy

P 19 *Progression of thyroid-associated ophthalmopathy (TAO) in relation to clinical activity and serum TSH-receptor antibodies.*

G. Vannucchi[1], I. Campi[1], D. Dazzi[2], N. Currò[3], S. Simonetta[3], P. Beck-Peccoz[1], M. Salvi[1]
[1] University of Milan, Fondazione Policlinico, Department of medical Science, Endocrine Unit, Milan, [2] Ospedale di Fidenza, Division of Internal Medicine, Fidenza, [3] University of Milan, Fondazione Policlinico, Ophthalmology, Milan

P 20 *Primary spontaneous autoimmune hypothyroidism is often divided into primary atrophic hypothyroidism and Hashimoto´s hypertrophic hypothyroidism.*

A. Carlé[1], I.B. Pedersen[1], N. Knudsen[2], H. Perrild[2], L. Ovesen[3], L.B. Rasmussen[4], T. Jorgensen[5], P. Laurberg[1]
[1] Aalborg Hospital, Åarhus University Hospital, Dept. of Endocrinology & Internal Medicine, Aalborg, [2] Bispebjerg Hospital, Endocrine Unit, Medical Clinic I, Copenhagen, [3] National Heart Foundation, Copenhagen, [4] National Food Institute, Technical University of Denmark, Department of Nutrition, Søborg, [5] Copenhagen County, Research Centre for Prevention and Health, Glostrup

P 21 *Patients with euthyroid and primarily hypothyroid status have low TRAb levels and develop tendentious milder and significantly more asymmetric Graves' Ophthalmopathy.*

A. Eckstein[1], C. Loesch[2], L. Canal[1], K. Mann[3], J. Esser[1], N. Morgenthaler[4]
[1] University Hospital ,Ophthalmology, Essen, [2] University Essen, Institute for Medical Informatics, Biometry and Epidemiology, Essen, [3] University Hospital, Department of Medicine, Division of Endocrinology, Essen, [4] Universitätsmedizin Berlin, Campus Mitte, Institut für Experimentelle Endokrinologie und Endokrinologisches Forschungszentrum EnForCé, Charité, Berlin

P 22 *Autoimmunity and ioduria among a pregnant women population*

L. Vila[1], M. Serra[2], E. Palomera[2], A. de Castro[3], R. Casamitjana[4], J. Muñoz[5], A. Garcia[6], G. Legaz[7], C. Barrionuevo[8], A.J. Garcia[8], J. Durán[9], S. Lal[10], M. Puig-Domingo[11]
[1] Hospital Dos de Maig, Endocrinology, Barcelone, [2] Hospital de Mataró, Research and Investigation, Mataró, [3] Women Health Center, Mataró, [4] Hospital Clínic, Hormone Laboratory, Barcelone, [5] Catalan Health Institute, Health Center, La Seu d'Urgell, [6] Hospital de Puigcerda, Obstetric and Gynaecology, Puigcerda, [7] Hospital de Vielha, Obstetric and Gynaecology, Vielha, [8] Hospital de Tremp, Obstetric and Gynaecology, Tremp, [9] Hospital de la Seu, Obstetric and Gynaecology, La Seu d'Urgell, [10] Hospital de Tremp, Obstetric and Gynaecology, Tremp, [11] Hospital Clínic, Endocrinology, Barcelone

P 23 *Cytotoxic T-Lymphocyte antigen-4 gene A/G (49) polymorphism is related to atrophic thyroiditis in turkish community*

R. Ersoy[1], M. Arabaci[2], I. Yetkin[2], S. Gonen[3], O. Soylemezoglu[3], M. Arslan[2]
[1] Ankara Ataturk Education and Research Hospital, Department of Endocrinology and Metabolism, Ankara, [2] Gazi University Faculty of Medicine, Department of Endocrinology and Metabolism, Ankara, [3] Gazi University Faculty of Medicine, Department of Pediatric Nephrology, Ankara

P 24 *Autoimmune thyroid disease, thyroid ultrasonography findings and their relation with anti-GAD in patients with type1 diabetes mellitus*

K. Gül[1], Y. Aydın[1], H. Üstün[1], D. Berker[1], M. Ünal[1], H.K. Erol[1], T. Delibaşi[1], S. Güler[1]
[1] Ankara Numune Hospital, Endocrinology and Metabolism, Ankara

P 25 *Is Euthyroid Patient with Hashimoto's Thyroiditis Really Euthyroid?*

A. Karakoc[1], H. Demirci[1], E. Kan[1], M. Arslan[1]
[1] Gazi University, Faculty of Medicine, Endocrinology, Ankara

P 26 *Pre-transplant serum FT3 levels in kidney graft recipients are useful for identifying patients with higher risk for graft failure.*

L. Chiovato[1], M. Rotondi[1], S. Netti[2], F. Magri[1], P. Leporati[1], S. Lodigiani[1], M. Salvadori[3], P. Romagnani[2], M. Serio[2]
[1] University of Pavia, Unit of Internal Medicine and Endocrinology Fondazione Salvatore Maugeri I.R.C.C.S. and Chair of Endocrinology, Pavia, Italy, [2] Excellence Center for Research, Transfer and High Education DENOthe, Italy, [3] Centre for Nephrology, Dialysis and Transplantation, Azienda Ospedaliera Careggi, Florence, Italy

Thyroid Cancer Poster

P 27 *Antiproliferative effect of type I protein kinase a activation in poorly differentiated thyroid cancer.*

S. Lucchi[1], R. Trivellato[1,2], D. Calebiro[1,2], T. de Filippis[1], P. Porazzi[1], G. Mantovani[2], A. Spada[2], P. Beck-Peccoz[2], L. Persani[1,2]
[1] IRCCS Istituto Auxologico Italiano, Lab of Experimental Endocrinology, Milan, [2] University of Milan, Dept of Medical Sciences, Milan

P 28 *Effects of 1,25(OH)$_2$D$_3$ and analog WY1112 on proliferation and differentiation of FRO cells*

I. Clinckspoor[1], L. Verlinden[1], M. Verstuyf[1], R. Bouillon[1], B. Decallonne[1]
[1] KULeuven, Leuven

P 29 *Inhibition of thyroid carcinoma cells by the multi-kinase inhibitor sorafenib is independent of the presence of BRAF mutations*

M. Broecker-Preuss[1], M. Britten[2], A. Redmann[2], K. Worm[3], S.-Y. Sheu[3], K.W. Schmid[3], K. Mann[1]
[1] University Clinic, Clinic of Endocrinology, Essen, [2] University Clinic , Clinic of Endocrinology, Essen, [3] University Clinic, Institute of Pathology, Essen

P 30 *The expression of PTEN tumor suppressor is down regulated by the dominant negative p73 isoform Np73 in thyroid cancer cells*

V. Vella[1], C. Puppin[1], L. Messina[1], M. Sanfilippo[1], R. Vigneri[1], G. Damante[1], F. Frasca[1]
[1] University of Catania, Endocrinology, Catania

P 31 *SU11248, an oral multi-kinase inhibitor, shows antiproliferative and antitumoral activity in a human medullary thyroid carcinoma model*

S. Broutin[1], N. Ameur[1], F. Gug[2], H. Galons[2], C. Dupuy[1], M. Schlumberger[1], J.-M. Bidart[1]
[1] Institute Gustave Roussy, Villejuif, [2] University Paris V, Paris

P 32 *The potential of Astatine-211 for NIS-mediated radionuclide therapy in prostate cancer in vitro and in vivo*

M. Willhauck[1], B.-R. Sharif Samani[1], N. Wunderlich[1], I. Wolf[2], R. Senekowitsch-Schmidtke[2], G.-J. Meyer[3], W. Knapp[3], B. Göke[1], J.C. Morris[4], C. Spitzweg[1]
[1] Ludwig Maximilians University, Department of Internal Medicine II, Munich, [2] Technical University Munich, Department of Nuclear Medicine, Munich, [3] Medizinische Hochschule Hannover, Department of Nuclear Medicine, Hannover, [4] Mayo Clinic, Department of Endocrinology, Rochester

P 33 *Is a 2nd RH-TSH stimulation test (2-3 years after the first assessment) needed in patients with differentiated thyroid carcinoma (DTC) who have undetectable basal serum thyroglobulin (TG) levels?*

M. Castagna[1], L. Brilli[1], T. Pilli[1], A. Montanaro[1], E. Guarino[1], M. Capezzone[1], C. Cipri[1], C. Fioravanti[1], F. Sestini[1], M. Ghezzi[1], C. Ciuoli[1], F. Pacini[1]
[1] University of Siena, Endocrinology and Metabolism, Siena

P 34 *The role of RET genotypes as modifier loci for sporadic medullary thyroid cancer*

M. Muzza[1], C. Mian[2], D. Cordella[3], S. Barollo[2], L. Alberti[3], V. Cirello[1], D. Dazzi[1], M.E. Girelli[2], G. Opocher[2], P. Beck-Peccoz[1], L. Persani[1,3], L. Fugazzola[1]
[1] University of Milan, Fondazione Policlinico, Dept. of Medical Sciences, Endocrine Unit, Milan, [2] University Hospital of Padova, Department of Medical and Surgical Sciences, Endocrinology Unit, Padova, [3] Istituto Auxologico Italiano, Endocrinology, Milan

P 35 *Epidemiological evidence for a link between dental X-rays and thyroid cancer*

A. Memon[1], D. Williams[2], S. Godward[2]
[1] Brighton and Sussex Medical School, Brighton, [2] University of Cambridge, Cambridge

P 36 *Outcome of differentiated thyroid cancer diagnosed in pregnant women*

M. Perrino[1], G.M. Vannucchi[1], L. Vicentini[2], D. Mannavola[1], P. Beck-Peccoz[1], L. Fugazzola[1]
[1] University of Milan, Fondazione Policlinico, Dept. of Medical Sciences, Endocrine Unit, Milan, [2] University of Milan, Fondazione Policlinico, Surgery Unit, Milan

P 37 *How molecular exploration of 11 classes of follicular thyroid lesions improves the classification of tumour of uncertain malignant potential*

J.-F. Fontaine[1], F. Savagner[1], D. Mirebeau[1], M. Raharijaona[2], R. Houlgatte[2], B. Franc[3], Y. Malthièry[1]
[1] INSERM U694, Angers, [2] INSERM U533, Nantes, [3] Hopital A. Paré, Boulogne

P 38 *Validation of potential molecular markers of papillary thyroid carcinoma by quantitative real-time PCR*

M. Kowal[1], A. Kukulska[1], M. Kowalska[1], E. Chmielik[2], E. Stobiecka[2], E. Gubala[1], A. Czarniecka[3], J. Wloch[3], T. Tyszkiewicz[1], B. Jarzab[1]
[1] MSC Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Poland, Department of Nuclear Medicine and Endocrine Oncology, Gliwice, [2] MSC Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Poland, Department of Pathology, Gliwice, [3] MSC Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Poland, Oncological Surgery Clinic, Gliwice

P 39 *Is Radioiodine Ablation necessary in small (>1 cm) papillary and follicular thyroid carcinomas?*

B. Riemann[1], V. Hutzenlaub[1], O. Schober[1]
[1] University Hospital, Nuclear Medicine, Münster

P 40 *Roles of 18F-FDG PET and Other Diagnostic Tools in the Management of Metastatic Thyroid Carcinoma Patients*

B. GUNALP[1], E. Alagoz[1], O. Emer[1], O. Karacalioglu[1], N. Aslan[1], S. Ilgan[1], M.A. Ozguven[1]
[1] Gulhane Military Medical Academy and Faculty, Nuclear Medicine, Ankara

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Identification of Low Penetrance Genes associated to Papillary Thyroid Carcinoma by means of High Throughput Genotyping of Single Nucleotide Polymorphisms (SNPs).

I. Landa[1], C. Montero-Conde[1], R. Milne[2], A. Cascón[1], C. Rodríguez-Antona[1], R. León[1], R. Alonso[2], S. Leskelä[1], E. López-Jiménez[1], G. Pita[2], P. Iglesias[3], C. Álvarez-Escolá[4], J. Caballero[5], V. Vandía[6], A. Meoro[7], M. Marazuela[8], P. Saavedra[9], C. Blanco[9], I. Ramos[10], J. Díaz[11], J. Serrano[12], L. Arribas[13], R. Pinedo[14], F. Pomares[12], P. Navarro[12], A. Picó[12], G. Giménez[12], S. Ruiz-Llorente[15], P. Santisteban[15], A. González-Neira[2], M. Robledo[1]

[1] CNIO (Spanish National Cancer Research Centre), Hereditary Endocrine Cancer Group, Madrid, [2] CNIO (Spanish National Cancer Research Centre), Genotyping Unit (CEGEN), Madrid, [3] Hospital General de Segovia, Segovia, [4] Hospital Universitario La Paz, Madrid, [5] Hospital, Reina Sofía, Córdoba, [6] Hospital Universitario Gregorio Marañón, Madrid, [7] Hospital Universitario Reina Sofía, Murcia, [8] Hospital Universitario La Princesa, Madrid, [9] Hospital Universitario Príncipe de Asturias, Alcalá de Henares, [10] Hospital Vega Baja de Orihuela, Alicante, [11] Hospital Universitario Clínico San Carlos, Madrid, [12] Hospital General Universitario, Alicante, [13] Hospital Marina Alta de Denia, Alicante, [14] Hospital de Elda, Alicante, [15] IIB (Biomedical Research Institute), Molecular Endocrinology, Madrid

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P53, P21 and Bcl-2 Proteins Expression and Clinical Significance in Papillary Thyroid Carcinoma

S. Chung[1], T. Jung[1], J. Chung[2], J. Jung[2], Y. Oh[2], K.-S. Kim[2], H. Shin[2]

[1] Gyeongsang National University, Endocrinology, Jinju, [2] Sungkyunkwan University School of Medicine, Department of Medicine, Seoul

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RET proto-oncogene mutations and polymorphisms in French medullary thyroid carcinomas patients

M.-C. Gorisse[1], J.-M. Pochart[2], C. Schvartz[2], D. Gaillard[3], H. Labre[4], C. Delvincourt[1]

[1] Institut Jean GODINOT, Oncologic Biology, Reims, [2] Institut Jean GODINOT, Endocrinology and nuclear Medicine, Reims, [3] CHU, Reproduction Biology - CECOS, Reims, [4] Institut Jean GODINOT, Biology, Reims

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New insight in mRNA and protein expression of glucose transporters (GLUT) in human thyroid carcinoma cell lines

R. Ciampi[1], A. Vivaldi[1], L. Agate[1], P. Salvadori[2], A. Del Guerra[3], A. Pinchera[1], R. Elisei[1]

[1] University of Pisa, Endocrinology and Metabolism, Pisa, [2] institute of Clinical Physiology, C.N.R., Pisa, [3] University of Pisa, Physics, Pisa

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Apoptosis and proliferation related molecules (Bcl-2, Bax, p53, PCNA) in papillary microcarcinoma vs. papillary carcinoma of the thyroid

D. Cvejic[1], S. Selemetjev[1], S. Savin[1], I. Petrovic[1], I. Paunovic[2], S. Tatic[3]

[1] Institute for the Application of Nuclear Energy, INEP, Zemun-Belgrade, [2] Clinical Centre of Serbia, Centre for Endocrine Surgery, Belgrade, [3] Medical Faculty, Institute of Pathology, Belgrade

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Thyroid peroxidase and galectin-3 immunostaining in differentiated thyroid carcinoma: diagnostic usefulness and clinicopathological correlation

S. Savin[1], D. Cvejic[1], T. Isic[1], I. Petrovic[1], I. Paunovic[2], S. Tatic[3], M. Havelka[3]

[1] Institute for the Application of Nuclear Energy, INEP, Zemun-Belgrade, [2] Clinical Centre of Serbia, Centre for Endocrine Surgery, Belgrade, [3] Medical Faculty, Institute of Pathology, Belgrade

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Is it necessary to perform thyroid fine needle aspiration to infracentimetric thyroid nodules?

D. Berker[1], Y. Aydın[1], İ. Üstün[1], K. Gül[1], M. Ünal[1], H.K. Erol[1], T. Delibaşi[1], S. Güler[1], N. Ünüvar[1]

[1] Ankara Numune Hospital, Endocrinology and Metabolism, Ankara

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Absence of late recurrences in patients with a negative first follow-up after I-131 ablation for differentiated thyroid carcinoma

F. Verburg[1], C. Düren[1], R. Verkooijen[2,3], M. Luster[1], J. van Isselt[2], C. Reiners[1], M. Stokkel[3]

[1] University Hospital Würzburg, Nuclear Medicine, Würzburg, [2] UMC Utrecht, Nuclear Medicine, Utrecht, [3] Leiden UMC, Nuclear Medicine, Leiden

P 49 *Arsenic trioxide has multiple cellular targets in thyroid cancer cell lines*

E. Fröhlich[1], I. Fink[1], B. Czarnocka[2], P. Brossart[3], R. Wahl[1]
[1] Medical Clinic , Dept. of Endocrinology, Metabolism, Nephrology and Clinical Chemistry, Tuebingen, [2] Medical Center of Postgraduate Education, Dept. of Biochemistry and Molecular Biology, Warsaw, [3] Medical Clinic, Dept. of Haematology, Oncology, Immunology and Rheumatology, Tuebingen

P 50 *Empirical 131I dose in patients with thyroid cancer with high thyroglobulin and negative diagnostic whole body scan*

B. Vlassopoulou[1], A. Szabo[1], G. Effraimidis[1], I. Tzavara[2], N. Thalassinos[1], A. Nikou[1]
[1] Evangelismos Hospital, Endocrinology, Athens, [2] 'Amalia Fleming' Hospital, Endocrinology, Athens

P 51 *The Second case of a Follicular Thyroid Carcinoma Presenting as a Hot Thyroid Nodule with a Somatic I486F TSH-receptor (TSHR) Gene Mutation*

R. Bircan[1], H. Gozu[2], E. Bösenberg[3], C. Gezen[4], D. Yavuzer[5], M. Sargin[2], H. Sargin[2], R. Paschke[3]
[1] Marmara University, School of Medicine, Department of Medical Biology, Istanbul, [2] Dr. Lutfi Kirdar Kartal Education and Training Hospital, Section of Endocrinology and Metabolism, Istanbul, [3] Leipzig University, Medical Faculty, III Medical Department, Leipzig, [4] Dr. Lutfi Kirdar Kartal Education and Training Hospital, I. General Surgery, Istanbul, [5] Dr. Lutfi KirdarKartal Education and Training Hospital, Pathology, Istanbul

P 52 *Dendritic Cell Expression CD 83 In Solitary Thyroid Nodule*

F. Gadalla[1]
[1] Ain Shams University, Endocrinology, Cairo, Egypt

P 53 *Identification of two novel RET proto-oncogene variants in sporadic medullary thyroid carcinoma*

M.M. Moura[1], B.M. Cavaco[1], R. Domingues[1], M.J. Bugalho[1,2], V. Leite[1,2]
[1] IPOLFG, EPE, CIPM, Lisboa, [2] IPOLFG, EPE, Serviço Endocrinologia, Lisboa

P 54 *Regulation and characterisation of Caspase3 in thyroid tumours*

C. Weidinger[1], S. Karger[1], K. Krause[1], T. Aigner[2], S.-Y. Sheu[3], K.-W. Schmid[3], O. Gimm[4], H. Dralle[4], D. Führer[1]
[1] University, Endocrinology, Leipzig, [2] University, Pathology, Leipzig, [3] University, Pathology, Essen, [4] University, Surgery, Halle

P 55 *Preoperative location of metastatic cervical lymph nodes with Tg-FNAB and patent blue injection for patients with recurrent differentiated thyroid carcinoma (RDTC) : usefulness for surgical cure?*

H. Labre[1,2], J.-M. Pochart[2], S. Fieffe[2], C. Delvincourt[1], C. Schvartz[2]
[1] Institut Jean Godinot, Biology, Reims, [2] Institut Jean Godinot, Endocrinology and Nuclear Medicine, Reims

P 56 *The Potential Diagnostic and Prognostic Role of F-18-Fluorodeoxyglucose Positron Emission Tomography in the Initial Evaluation of Differentiated Thyroid Cancer*

A. Alzahrani[1], M.-E. Abouzeid[2], S. Abdel Salam[1], G. Mohamed[3], A. Rifai[2], A. Al Sugair[2], T. Amin[4]
[1] King Faisal Specialist Hospital & Research Centre, Medicine, Riyadh, [2] King Faisal Specialist Hospital & Research Centre, Radiology, Riyadh, [3] King Faisal Specialist Hospital & Research Centre, Research Centre, Riyadh, [4] King Faisal Specialist Hospital & Research Centre, Surgical Oncology, Riyadh

P 57 *Combined analysis of galectin-3 and BRAFV600E improves the accuracy of fine-needle aspiration biopsy with indeterminate citology*

M. Vitale[1], D. Posca[1], A. Guerra[1], P.P. Limone[2], M. Deandrea[2], M. Motta[2], G. Troncone[3], A. Caleo[3], P. Vallefuoco[1], V. Marotta[1], G. Rossi[4], G. Fenzi[1], M.R. Sapio[1]
[1] University of Naples Federico II, Endocrinologia e Oncologia Molecolare e Clinica, Naples, [2] Ordine Mauriziano, Ospedale Umberto I, , Turin, [3] University of Naples Federico II, Scienze Biomorfologiche e Funzionali, Naples, [4] University of Naples Federico II, Biologia e Patologia Cellulare e Molecolare, Naples

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Preoperative Diagnosis of Papillary Thyroid Carcinoma by Detection of B-RAFT1799A Mutation on Fine Needle Aspiration Biopsy Specimens

M. Cañadas Garre[1], M. Vera Sánchez[1], P. Becerra Massare[2], F. Ruiz Cabello[3], M. Muros de Fuentes[1], F. Garrido Torres-Puchol[3], N. Concha López[2], M. López de la Torre Casares[4], J. Llamas Elvira[1]

[1] Hospital Virgen de las Nieves, Servicio de Medicina Nuclear, Granada, [2] Hospital Virgen de las Nieves, Servicio de Anatomía Patológica, Granada, [3] Hospital Virgen de las Nieves, Servicio de Análisis Clínicos, Granada, [4] Hospital Virgen de las Nieves, Servicio de Endocrinología, Granada

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Diarrhea Burden in Patients (pts) With Medullary Thyroid Cancer (MTC): Impact of AMG 706 on Diarrhea Symptoms (sx) – Interim Results

E. Baudin[1], M. Schlumberger[1], S. Sherman[2], A. Hoff[2], K. Chung[3], A. Foreman[4], S. Mathias[4], D. Miller[4], D. Stepan[3]

[1] Institut Gustave Roussy, Service De Médecine Nucleaire, Villejuif, France, [2] University of Texas M.D. Anderson Cancer Center, Endocrine Neoplasia and Hormonal, Disorders, Houston, TX, USA, [3] Amgen Inc., Thousand Oaks, CA, USA, [4] Ovation Research Group, San Francisco, CA, USA

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Exacerbation of Postsurgical Hypothyroidism During Treatment of Advanced Differentiated (DTC) or Medullary (MTC) Thyroid Carcinoma With AMG 706

F. Pacini[1], S. Sherman[2], M. Schlumberger[3], R. Elisei[4], L. Wirth[5], L. Bastholt[6], J.P. Droz[7], R. Martins[8], M. Hofmann[9], L. Locati[10], M. Eschenberg[11], D. Stepan[11]

[1] University of Siena, Medicina Interna, Siena, Italy, [2] University of Texas M.D. Anderson Cancer Center, Endocrine Neoplasia and Hormonal, Disorders, Houston, TX, USA, [3] Institut Gustave Roussy, Service De Médecine Nucleaire, Villejuif, France, [4] University of Pisa, Endocrinology and Metabolism, Pisa, Italy, [5] Dana-Farber Cancer Institute, Head and Neck Oncology, Boston, MA, USA, [6] Odense University Hospital, Oncology, Odense, Denmark, [7] Centre Leon Berard, Lyon, France, [8] Seattle Cancer Care Alliance, Medical Oncology, Seattle, WA, USA,[9] Inselspital, Medical School Bern, Bern, Switzerland, [10] Istituto Nazionale dei Tumori, Medical Oncology, Milano, Italy, [11] Amgen Inc., Thousand Oaks, CA, USA

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The role of diagnostic iodine 123 whole body scan (WBS) in differentiated thyroid cancer

R. McDougall[1], J. Kalinyak[2]

[1] Stanford University, Nuclear Medicine, Stanford, [2] Stanford University, Nuclear Medicine, Stanford, Cal

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Therapeutic Impact of 124I Positron Emission Tomography Dosimetry in Advanced Differentiated Thyroid Cancer

L. Freudenberg[1], W. Jentzen[1], R. Görges[1], T. Petrich[2], A. Bockisch[1]

[1] University of Duisburg / Essen, Department of Nuclear Medicine, Essen, [2] University of Hannover, Department of Nuclear Medicine, Hannover

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Similarities and differences in Differentiated Thyroid Cancer guidelines.

T.P. Links[1,2], J.W.A. Smit[3,4], J.M.H. de Klerk[5], D.A.K. Huysmans[6], W.M. Wiersinga[7], E. van der Wel[8]

[1] University, Endocrinology, Groningen, [2] University Medical Center Groningen, Endocrinology, Groningen, [3] University, Endocrinology, Leiden, [4] Leiden University Medical Center, Endocrinology, Leiden, [5] Meander Medical Hospital, Nuclear Medicine, Amersfoort, [6] Catherina Hospital, Nuclear Medicine, Eindhoven, [7] Academical Medical Center, Endocrinology, Amsterdam, [8] Lucas Hospital, Winschoten

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The follow-up of patients with differentiated thyroid cancer and undetectable Tg and TgAb during ablation

H.T.T. Phan[1], P.L. Jager[2], J.E. van der Wal[2], W.J. Sluiter[3], J.T.M. Plukker[4], R.A.J. Dierckx[5], B.H.R. Wolffenbuttel[5], T.P. Links[6]

[1] University Medical Center Groningen, Nuclear Medicine, Groningen, [2] Medical Center Leeuwarden, Pathology, Leeuwarden, [3] University Medical Center Groningen, Pathology & Laboratory Medicine, Groningen, [4] University Medical Center Groningen, Surgery, Groningen, [5] University Medical Center Groningen, Endocrinology, Groningen

P 65 *Evaluation of a central and lateral lymph node dissection (CLLND) surgical protocol in thyroid differentiated cancer (DTC) from a Regional Tumor Registry*

C. Schvartz[1], S. Fieffé[1], J.-M. Pochart[1]
[1] Institut Jean Godinot, Reims

P 66 *Oxidative DNA damage and repair in thyroid tumours*

S. Karger[1], **K. Krause**[1], M. Gutknecht[1], B. Jeßnitzer[1], S.-Y. Sheu[2], K. W. Schmid[2], O. Gimm[3], H. Dralle[3], D. Führer[1]
[1] University of Leipzig, Department of Internal Medicine III, Leipzig, [2] University of Duisburg-Essen, Institute of Pathology, Essen, [3] Martin Luther University of Halle-Wittenberg, Department of General, Visceral, and Vascular Surgery, Halle/Saale

P 67 *Is there a high-risk group of patients with lymph node metastasis from well differentiated thyroid cancer?*

F. Menegaux[1], C. Tresallet[1], B. Royer[1], C. Hoang[2], L. Leenhardt[3]
[1] APHP-Univeristé Pierre et Marie Curie, General Surgery Department, Paris, [2] APHP-Université Pierre et Marie Curie, Histopathology department, Paris, [3] APHP-Pierre et Marie Curie University, Nuclear Medicine, Paris

P 68 *FasL (APO-1L/CD95L) immunoreactivity in papillary microcarcinoma of the thyroid*

T. Bayraktaroglu[1], Y. Kapran[2], H. Boztepe[1], F. Alagol[1]
[1] Istanbul University, Istanbul Faculty of Medicine, Endocrinology and Metabolism, Istanbul, Turkey, [2] Istanbul University, Istanbul Faculty of Medicine, Department of Pathology, Istanbul, Turkey

P 69 *Follow-up of differentiated thyroid cancer patients who underwent radioiodine ablation of postsurgical thyroid remnants after recombinant human thyrotropin (rhTSH) or thyroid hormone withdrawal.*

R. Elisei[1], C. Corone[2], A. Driedger[3], B.R. Haugen[4], R.T. Kloos[5], J. Magner[6], F. Pacini[7], M. Luster[8], M. Schlumberger[9], S. Sherman[10], A. Pinchera1, P.W. Ladenson[11]
[1] University of Pisa, Department of Endocrinology, Pisa, [2] Centre Rene Huguenin, Saint Claud, France, [3] University of western Ontario, department of Nuclear Medicine, London Ontario, Canada, [4] University of Colorado, Division of Endocrinology, Aurora, Colorado, [5] Ohio State University, Diviosions of Endocrinology and Nuclear Medicine, Columbus Ohio, [6] Genzyme Corporation, Cambridge, MA, [7] University of Siena, Departement of Endocrinology, Siena, Italy, [8] University of Wurzburg, , Wurzburg, Germany, [9] Institute Goustave Roussy, Service de medicine nucleaire, Villejuif, France, [10] University of Texas, Department of Endocrine Neoplasia, Houston, Texas, [11] Johns Hopkins University, Division of Endocrinology and Metabolism, Baltimore

P 70 *Primary cell cultures obtained by fine-needle aspiration from anaplastic thyroid cancers: results of chemosensitivity tests.*

A. Antonelli[1], S.M. Ferrari[1], P. Fallahi[1], P. Berti[2], G. Materazzi[2], P. Miccoli[2], I. Marchetti[3], E. Ferrannini[1]
[1] University of Pisa, Department of Internal Medicine, Pisa, [2] University of Pisa, Department of Surgery, Pisa, [3] University Hospital of Pisa, Section of Cytopathology, Division of Surgical, Molecular and Ultrastructural Pathology, Pisa

P 71 *Additive antiproliferative activity of PPARgamma agonists and antiblastics in primary cultured anaplastic human thyroid cancer cells.*

S.M. Ferrari[1], P. Fallahi[1], P. Berti[2], G. Materazzi[2], M. Minuto[2], P. Miccoli[2], A. Antonelli[1]
[1] University of Pisa, Department of Internal Medicine, Pisa, [2] University of Pisa, Department of Surgery, Pisa

P 72 *Calcitonin measurement in wash-out fluid from fine needle aspiration of neck masses in patients with primary and metastatic medullary thyroid carcinoma*

F. BOI[1], I. MAURELLI[1], G. PINNA[1], F. ATZENI[1], M. PIGA[2], M.L. LAI[3], S. MARIOTTI[1]
[1] Endocrinology, University of Cagliari, Department of Medical Sciences "M. Aresu", Monserrato- Cagliari, Italy, [2] Nuclear Medicine, University of Cagliari, Department of Medical Sciences "M. Aresu", Monserrato- Cagliari, Italy, [3] University of Cagliari, Department of Cytomorphology, Cagliari, Italy

P 73 *Impact of 18F-Fluoro-2-Deoxy-D-Glucose positron emission tomography (FDG-PET) on patients with metastatic medullary thyroid cancer*

M.F. Erdogan[1], Z. Demir[1], S. Güllü[1], Z. Küçük[2], N. Kamel[1]
[1] Ankara University Faculty of Medicine, Endocrinology and Metabolic Diseases, Ankara, [2] Ankara University Faculty of Medicine, Nuclear medicine, Ankara

P 74 *Anthropometric factors in the risk of thyroid carcinoma in French Polynesia: a population-based case-control study*

P. Brindel[1,2,3], F. Doyon[1,2,3], F. Rachedi[4], J.-L. Boissin[5], J. Sebbag[6], L. Shan[5], V. Chung[7], L. Yen Kai Sun[7], J. Paoaafaite[8], J. Teuri[8], F. de Vathaire[1,2,3]
[1] INSERM, U605, Villejuif, [2] Institut Gustave Roussy, , Villejuif, [3] Univ Paris XI, Villejuif, [4] Centre Hospitalier Territorial de Mamao, Tahiti, [5] Endocrinologist, Tahiti, [6] Clinique Paofai, Tahiti, [7] Registre des cancers de Polynésie Française, Tahiti, [8] Institut de Recherche pour le Développement, Tahiti

P 75 *Gene expression induced by BRAF oncogene mutation in papillary thyroid cancer*

D. Rusinek[1], M. Wiench[1], D. Handkiewicz-Junak[1], M. Oczko-Wojciechowska[1], M. Kowalska[1], J. Zebracka[1], G. Gala[1], A. Pfeifer[1], B. Jarzab[1]
[1] MSC Memorial Cancer Center and Institute of Oncology, Gliwice Branch, Poland, Department of Nuclear Medicine and Endocrine Oncology, Gliwice

P 76 *The analysis of transcriptome of medullary thyroid carcinoma: search for lineage-specific markers*

M. Oczko-Wojciechowska[1], J. Wloch[2], J. Zebracka[1], M. Kowalska[1], Z. Wygoda[1], A. Czarniecka[2], B. Jarzab[1]
[1] MSC Memorial Cancer Center Institute of Oncology, Nuclear Medicine and Endocrine Oncology, Gliwice, [2] MSC Memorial Cancer Center and Institute of Oncology, Oncology Surgery Clinic, Gliwice

P 77 *aim; TO study the incidence of distant metastasis in papillary carcinoma thyroid and the role of iodine ablation*

B. Selvan[1], D.A. Deepak Abraham[1], P. MJ[1]
[1] Christian Medical College Vellore, Endocrine surgery, Vellore

P 78 *Dietary patterns as a risk factors of differentiated thyroid cancer.*

E. Przybylik-Mazurek[1], Z. Szybiński[1]
[1] Jagiellonian University, Endocrinology, Kraków

P 79 *The [99mTc-EDDA/HYNIC]octreotate Scintigraphy in the diagnosis of medullary thyroid cancer.*

E. Przybylik-Mazurek[1], A. Hubalewska-Dydejczyk[1], B. Huszno[1], A. Sowa-Staszczak[1], E. Polak[1], Z. Szybiński[1]
[1] Jagiellonian University, Endocrinology, Kraków

P 80 *Incidence of differentiated thyroid cancer in the selected areas in Poland (1990-2005).*

Z. Szybiński[1], M. Trofimiuk[1], M. Buziak-Bereza[1], F. Golkowski[1], E. Przybylik-Mazurek[1], B. Huszno[1], B. Zemla[2], B. Jarzab[2], E. Bandurska- Stankiewicz[3], E. Aksamit Białoszewska[3], S. Cichoń[4], R. Anielski[4], W. Wierzchowski[5], P. Szybiński[6], J. Kulig[6]
[1] Jagiellonian University, Endocrinology, Krakow, [2] Center of Oncology, Gliwice, Epidemiology, Gliwice, [3] District Hospital, Olsztyn, Center for Diabetology and Metabolic Diseases, Olsztyn, [4] Jagiellonian University, Surgery 3rd Dept., Kraków, [5] Jagiellonian University, Pathology, Kraków, [6] Jagiellonian University, Surgery 1st Dept., Kraków

P 81 *Case report: ultrasound-guided percutaneous laser ablation treatment in inoperable agressive course anaplastic thyroid carcinoma: the introduction of a novel alternative palliative therapy-second experience in the literature*

B. Cakir[1], O. Topaloglu[1], K. Gul[1], T. Agac[1], C. Aydin[1], A. Dirikoc[1], R. Ersoy[1], M. Gumus[2], K. Yazcoglu[2], B. Yalcin[3], A. Demirkazik[3], F. Ícli[3], K. Ceyhan[4]

[1] Ankara Ataturk Education and Research Hospital, Department of Endocrinology and Metabolism, Ankara, [2] Ankara Ataturk Education and Research Hospital, Department of Radiology, Ankara, [3] Ankara University Faculty of Medicine, Department of Oncology, Ankara, [4] Ankara University Faculty of Medicine, Department of Pathology, Ankara

P 82 *The effect of high dose radioactive iodine on parathyroid function in patients with thyroid malignancy*

A. Guven[1], S. Salman[1], H. Boztepe[1], S. Yarman[1], R. Tanakol[1], H. Azizlerli[1], F. Alagol[1]

[1] Istanbul University, Istanbul Faculty of Medicine, Division of Endocrinology and Metabolism Diseases, Istanbul

P 84 *MIB-1 proliferation index in thyroid tumors' Fine Needle Aspiration Cytology (FNAC): A prognostic tool?*

A. Sofiadis[1], C. Larsson[1], G. Wallin[1], J. Zedenius[1], T. Foukakis[1], A. Höög[2], E. Tani[2], P. Kjellman[1]

[1] Karolinska Institute, Molecular Medicine & Surgery, Stockholm, [2] Karolinska Institute, Oncology-Pathology, Stockholm

P 85 *Thyroid carcinoma classification and outcome according to the V and VI editions of the AJCC/UICC staging system*

G. Pellegriti[1], S. Arena[1], A. Maniglia[1], M.A. Violi[2], P. Malandrino[1], G. D Azzò[3], C. Giordano[4], A. Belfiore[5], R. Vigneri[1]

[1] University, Endocrinology, Catania, [2] University, Endocrinology, Messina, [3] Hospital, Endocrinology, Palermo, [4] University, Endocrinology, Palermo, [5] University, Endocrinology, Catanzaro

P 86 *Prognostic value of serum thyroglobulin determinations before radioiodine ablation in patients with differentiated thyroid carcinoma*

F. Rodrigues[1], M. Martinho[1], F. Curado[2], N. Cunha[2], C. Cruz[3], J. Ganho[3], P. Naidenov[1], J. Neto[4], S. Oliveira[4], J. Pereira[3], F. Valido[2], B. Campos[1]

[1] Instituto Português de Oncologia de Coimbra, Serviço de Endocrinologia, Coimbra, [2] Instituto Português de Oncologia de Coimbra, Serviço de Patologia Clínica, Coimbra,[3] Instituto Português de Oncologia de Coimbra, Serviço de Cirurgia de Cabeça e Pescoço, Coimbra, [4] Instituto Português de Oncologia de Coimbra, Serviço de Medicina Nuclear, Coimbra

P 87 *Clinical Experience with Recombinant Human Thyrotropin (rhTSH) in the follow-up of Differentiated Thyroid Carcinoma*

J. Queiros[1,2], C. Neves[1,2,3], D. Carvalho[1,2,3], F. Lopes[3], M. Cavadinha[3], F. Veiga[3], A. Magalhaes[1,2], J.L. Medina[1,2,3]

[1] Hospital de Sao Joao, Endocrinology, Oporto, [2] Oporto Medical School, Oporto, [3] Hospital de Sao Joao, Endocrinology Outpatient Clinic, Oporto

Thyroid Molecular and Cellular Biology Poster

P 88 *Iodine deficiency activates antioxidant genes and causes DNA damage in the thyroid gland of rats and mice*

J. Maier[1], H. van Steeg[2], C. van Oostrom[2], R.E. Weiss[3], R. Paschke[1], K. Krohn[1,4]
[1] University of Leipzig, III. Medical Department, Leipzig, Germany, [2] RIVM, Laboratory of Toxicology, Pathology and Genetics, Bilthoven, The Netherlands, [3] University of Chicago, 4Thyroid Study Unit - Department of Medicine, Chicago, USA, [4] University of Leipzig, Interdisciplinary Centre for Clinical Research, Leipzig, Germany

P 89 *Cooperation of the Transmembrane Helices in the Process of TSHR Activation*

H. Jaeschke[1], G. Kleinau[2], J. Sontheimer[1], G. Krause[2], R. Paschke[1]
[1] University of Leipzig, III. Medical Department, Leipzig, [2] Leibniz-Institut für Molekulare Pharmakologie, Berlin

P 90 *Image-guided radioiodine therapy of melanoma following tumor-specific sodium iodide symporter (NIS) gene transfer*

C. Spitzweg[1], A. Kessel[1], M. Willhauck[1], B.-R. Sharif Samani[1], C. Berking[2], R. Vile[3], B. Göke[1], J.C. Morris[4]
[1] Ludwig Maximilians University, Department of Internal Medicine II, Munich, [2] Ludwig Maximilians University, Department of Dermatology, Munich, [3] Mayo Clinic, Molecular Medicine Program, Rochester, [4] Mayo Clinic, Department of Endocrinology, Rochester

P 91 *No Correlation of TSH Receptor (TSHR) Mutation's In Vitro Activity with the Clinical Course of Patients with Sporadic Non-autoimmune Hyperthyroidism*

J. Lüblinghoff[1], S. Müller[1], J. Sontheimer[1], R. Paschke[1]
[1] University of Leipzig, Department of Internal Medicine III, Leipzig

P 92 *Functional and molecular characterization of wild type pendrin and some mutants found in the spanish population*

S. Dossena[1], A. Pera[2], S. Rodighiero[3], V. Cirello[4], A. Maraschi[1], V. Vezzoli[1], L. Fugazzola[4], G. Bottà[1], C. Hernandez-Chico[2], M. Paulmichl[1,5]
[1] University of Milano, Department of Biomolecular Sciences and Biotechnology, Milano, [2] Hospital Ramon y Cajal, Unidad de Genetica Molecular, Madrid, [3] University of Milano, CIMAINA, Milano, [4] University of Milano, Department of Medical Sciences and Fondazione Policlinico IRCCS, Milano, [5] Innsbruck Medical University, Institute of Physiology and Medical Physics, Innsbruck

P 93 *Proliferation of thyroid papillary carcinomas is dependent by Ca2+-calmodulin dependent kinase II*

M. Illario[1], R. La rocca[1], M.R. Rusciano[1], R. Bonavita[1], S. Monaco[1], M. Salzano[1], S. Maione[1], F. Gatta[1], M. di Salvio[1], D. Femminella[1], G. Fenzi[2], G. Rossi[1], M. Vitale[2]
[1] University of Naples Federico II, Biologia e Patologia Cellulare e Molecolare, Naples, [2] University of Naples Federico II, Endocrinologia e Oncologia Molecolare e Clinica, Naples

P 94 *The Na+/I- symporter (NIS) transports two of its substrates, I- and ClO4-, with different stoichiometries*

O. Dohan[1,2], C. Portulano[1], C. Basquin[1], N. Carrasco[1]
[1] Albert Einstein College of Medicine, Molecular Pharmacology, Bronx, New York, USA, [2] Institute of Experimental Medicine of the Hungarian Academy of Sciences, Endocrine Neurobiology, Budapest, Hungary

P 95 *The effect of freezing and long-term storage on serum thyrotropin, thyroid hormones and autoantibodies*

T. Männistö[1,2], H. Surcel[3], A. Bloigu[3], A. Ruokonen[4], A.-L. Hartikainen[1], M.-R. Järvelin[2,5], A. Pouta[6], M. Vääräsmäki[1], E. Suvanto-Luukkonen[1]
[1] University of Oulu, Department of obstetrics and gynecology, Oulu, [2] University of Oulu, Department on public health science and general practise, Oulu, [3] National Public Health Institute, Oulu, [4] University of Oulu, Department of clinical chemistry, Oulu, [5] Imperial College, Department of Epidemiology and Public Health, London, [6] National Public Health Institute, Department of Child and Adolescent Health, Finland

P 96 *Amyloid precursor expression and regulation in human thyroid pathologies*

K. Krause[1], S. Karger[1], R. Kursawe[1], T. Aigner[2], C. Engelhardt[1], S. Sien-Yi[3], K.-W. Schmid[3], O. Gimm[4], H. Dralle[4]

[1] University of Leipzig, III. Medical Department, Leipzig, [2] University of Leipzig, Instiute of Pathology, Leipzig, [3] University of Duisburg-Essen, Institute of Pathology and Neuropathology, Essen, [4] University of Halle, Department of Surgery, Halle

P 97 *Quantification of somatostatin-receptor expression in the thyroid gland by In-111-pentetreotide scintigraphy and Ga-68-Dotatoc PET and association with thyroid pathologies*

J. Singer[1], T. Lincke[2], O. Sabri[2], R. Paschke[3]

[1] University, Department of Nuclear Medicine and III.Medical Department, Leipzig, [2] University, Department of Nuclear Medicine, Leipzig, [3] University, III. Medical Department, Leipzig

P 98 *The comparison of different diagnostic methods in analysis of thyroid tumors in children: neoplastic markers in preoperative material vs postoperative histopathological material*

M. Niedziela[1], J. Maceluch[1], M. Janicka-Jedynska[2], D. Jarmolowska-Jurczyszyn[3], J. Pienkowska[3], A. Jarmolowski[4], P. Majewski[2]

[1] Poznan University of Medical Sciences Poland, Department of Pediatric Endocrinology and Diabetology, Poznan, [2] Poznan University of Medical Sciences Poland, Department of Clinical Pathology, Poznan, [3] Adam Mickiewicz University in Poznan, Department of Cell Biology, Institute of Experimental Biology, Poznan, [4] Adam Mickiewicz University in Poznan, Department of Gene Expression of Institute of Molecular Biology and Biotechnology, Poznan

P 99 *Immunohistochemical markers are useful to predict the risk of lymph node metastasis in papillary thyroid carcinoma*

C. Hoang[1], C. Tresallet[2], B. Royer[2], L. Leenhardt[3], F. Menegaux[2]

[1] APHP-Université Pierre et Marie Curie, Histopathology Department, Paris, [2] APHP-Univeristé Pierre et Marie Curie, General Surgery Department, Paris, [3] APHP-Pierre et Marie Curie University, Nuclear Medicine, Paris

P 100 *Prognostic significance of microsatellite instability and immunohisto-chemical analysis in papillary thyroid carcinoma with lymph node metastasis*

C. Tresallet[1], C. Hoang[2], A. Carrie[3], P.-A. Just[2], L. Leenhardt[4], F. Menegaux[1]

[1] APHP-Univeristé Pierre et Marie Curie, General Surgery Department, Paris, [2] APHP-Université Pierre et Marie Curie, Histopathology department, Paris, [3] APHP-Pierre et Marie Curie University, Molecular Biology department, Paris, [4] APHP-Pierre et Marie Curie University, Nuclear Medicine, Paris

P 101 *Role of Pax8 in the migratory/invasive behaviour of thyroid cancer cell lines.*

S. Ruiz-LLorente[1], P. Martín-Duque[2], P. Santisteban[1]

[1] Instituto de Investigaciones Biológicas, Molecular Endocrinology, Madrid, [2] Universidad Francisco de Vitoria, Biohealth Sciences, Madrid

P 102 *Towards a physiological TEC culture system – will serum-free medium lead the way?*

N.L. Landex[1]

[1] University of Copenhagen, Department of Cellular and Molecular Medicine, Copenhagen

P 103 *An in vivo study of the direct response of recombinant human TSH in serum levels of adipocytokines*

H. Filipsson[1], E. Nyström[1], G. Johannsson[1]

[1] Sahlgrenska Academy at Göteborg?s University, department of Endocrinology, Göteborg

P 104 *NM41, a cystine-knot protein secreted from thyroid cells, is expressed early in mouse and human development.*

J.C. Moreno[1], K. Charif[2], R. Rotttier[3], R. Hume[4], T.J. Visser[1]

[1] Erasmus Medical Center, Internal Medicine, Rotterdam, [2] Erasmus Medical Center, Rotterdam, [3] Erasmus Medical Center, Cell Biology and Genetics, Rotterdam, [4] University of Dundee, Maternal and Child Health Science, Dundee

P 105 *The expression of alternatively spliced 5'-UTR mRNA variants of Human Thyroid Hormone Receptor Beta 1 (THRB1) is dependent on the tissue type and aberrant in clear cell renal cell carcinoma (ccRCC).*

A. Master[1], A. Piekielko-Witkowska[1], P. Poplawski[1], Z. Tanski[2], A. Nauman[1]
[1] Medical Center of Postgraduate Education, Department of Biochemistry and Molecular Biology, Warsaw, Poland, [2] Province Hospital, Department of Urology, Ostroleka, Poland

P 106 *Decreasing sodium iodine transporter expression and iodine uptake in FRTL-5 after low dose irradiation with 131I is caused by a reversible cell cycle arrest.*

B. Meller[2], E. Gáspár[1], B. Wenzel[1]
[1] Med. University Lübeck, Dept. of Medicine I, Lübeck, [2] Med.University Lübeck, Radiology & Nuclear Medicine, Lübeck

P 107 *BRAF-induced dedifferentiation and invasiveness is mediated by an autocrine loop involving TGF-beta in thyroid cancer.*

G. Riesco-Eizaguirre[1], E. Costamagna[1], N. Carrasco[2], P. Santisteban[1]
[1] Instituto de Investigaciones Biomedicas Alberto Sols, Molecular Endocrinology, Madrid, [2] Albert Einstein College of Medicine, New York

P 108 *Relationship between susceptibility factors inheritance to graves disease and patients outcome*

J.H. Romaldini[1], N.E. Bufalo[2], J.L. Leite[2,3], E.C. Morari[2,4], A.N. Cury[4], O. Monte [4,5], L.S. Ward[3,6], R.S. Santos[1,2]
[1] PUC-Campinas, HSPE-IAMSPE, Endocrinology, Campinas, [2] School of medicine unicamp, intern medicine, Campinas, [3] School of medicine unicamp, internal medicine, Campinas, [4] School of medicine, Santa Casa, Endocrinology, Sao Paulo, [5] School of medicine, Santa Casa, internal medicine, Sao Paulo

P 109 *Influence of IFN-gamma and iodide excess on HLA DR expression and thyroglobulin production in human primary thyroid cells*

I. Kostic[1], B. Toffoletto[2], M. Toller[3], E. Fontanini[4], C.A. Beltrami[2], F. Curcio[3], F.S. Ambesi Impiombato[3]
[1] Department of Pathophysiology, School of Medicine, Kragujevac, Serbia, [2] Dipartimento di Ricerche Mediche e Morfologiche, sez. di Anatomia Patologica, University of Udine, Italy, [3] Dipartimento di Patologia Molecolare e Sperimentale Clinica, University of Udine, Italy, [4] Dipartimento di Patologia Clinica, University of Udine, Italy

P 110 *Approaches in elucidating the disulphide bond partner of Cysteine 283 in the extracellular domain of the human thyrotropin receptor*

S.-C. Ho[1]
[1] Singapore Health Service, SingHealth Research, Singapore

Clinical Thyroidology Poster

P 111 *QT dispersion in subclinical hypothyroidism*

O. Bakiner[1], M.E. Ertorer[1], F.E. Haydardedeoglu[1], E. Bozkirli[1], N.B. Tutuncu[2], N.G. Demirag[2]
[1] Baskent University Faculty of Medicine, Endocrinology and Metabolism, Adana, [2] Baskent University Faculty of Medicine, Endocrinology and Metabolism, Ankara

P 112 *Significant interaction between familial predisposition and environmental exposure in goitre etiology*

N. Knudsen[1], H. Perrild[1], P. Laurberg[2], I. Bülow[2], T. Jørgensen[3], L. Ovesen[4], L. Rasmussen[5]
[1] Bispebjerg University Hospital, Endocrinology, Copenhagen, [2] Aalborg University Hospital, Endocrinology, Aalborg, [3] Glostrup University Hospital, Centre for Preventive Medicine, Copenhagen, [4] The Danish Heart Foundation, Copenhagen, [5] Danish Veterinary and Food Administration, Copenhagen

P 113 *Clinical and epidemiological characteristics of thyroid hemiagenesis: ultrasound screening in patients with thyroid disease and normal population*

A. Gursoy[1], C. Anil[1], A. Dogruk Unal[1], A. Nar Demirer[1], N. Bascil Tutuncu[1], M.F. Erdogan[2]
[1] Baskent University Faculty of Medicine, Endocrinology and Metabolism, Ankara, [2] Ankara University Faculty of Medicine, Endocrinology and Metabolism, Ankara

P 114 *Graves' disease in pregnancy complicated with fetal goitrous hypo-thyroidism - successful in utero treatment with L-thyroxine.*

Å.K. Rasmussen[1], K. Sundberg[2], V. Brocks[2], U. Feldt-Rasmussen[1]
[1] National University Hospital, Department of Medical Endocrinology, Copenhagen, Denmark, [2] National University Hospital, Department of Gynecological Ultrasound, Copenhagen, Denmark

P 115 *The Thyroid Isthmus does not contain C-cells.*

C. Vorländer[1], S. Kriener[2], R. Lienenlüke[1], R.A. Wahl[1]
[1] Bürgerhospital Frankfurt am Main, Surgery, Frankfurt am Main, [2] University of Frankfurt am Main, Institute of Pathology, Frankfurt am Main

P 116 *Efficacy and safety of radiofrequency thermal ablation in the treatment of thyroid nodules with pressure symptoms in elderly patients*

A. Faggiano[1], C. Di Somma[1], F. Milone[1], V. Ramundo[1], R. Garberoglio[2], G. Lombardi[1], A. Colao[1], S. Spiezia[3]
[1] "Federico II" University, Department of Molecular and Clinical Endocrinology and Oncology, Naples, [2] "Mauriziano Hospital", Unit of Endocrinology and Ultrasound, Turin, [3] "S. Maria del Popolo degli Incurabili" Hospital, Unit of Surgery, Ultrasound Guided & Neck Pathologies Surgery, Naples

P 117 *Subclinical hypothyroidism: does TRH test help to narrow current reference ranges?*

M.C. Burlacu[1], H. Valdes Socin[1], F. Luyckx[2], A. Beckers[1]
[1] CHU, endocrinology, Liege, [2] CHU, Clinical Biology, Liege

P 118 *Reduced thyroid volume and nodularity in dylipidemic patients on statin treatment.*

C. Cappelli[1], M. Castellano[1], E. De Martino[1], I. Pirola[1], E. Gandossi[1], A. Delbarba[1], B. Agosti[1], E. Agabiti Rosei[1]
[1] Department of Medical and Surgical Sciences, Internal Medicine and Endocrinology Unit, University Medical School, Brescia, Italy.

P 119 *Impact of the ovarian hyperstimulation syndrome on thyroid function: a case report.*

K.G. Poppe[1]
[1] University Ziekenhuis Brussels, Endocrinology, Brussels

P 120 *Thyrotoxic Hypokalemic Periodic Paralysis in a Caucasian Population; Not Too Much, Not Too Low- Three New Case Reports and Meta-Analysis of 38 Turkish Cases*

M. Cesur[1], F. Bayram[2], M. Akcil Temel[3], M. Ozkaya[4], A. Kocer[5], M.E. Ertorer[6], F. Koc[7], A. Kaya[8], S. Gullu[9]
[1] Ufuk University, Department of Endocrinology and Metabolic Disease, Ankara, [2] Erciyes University Medical School, Department of Endocrinology, Kayseri, [3] Baskent University Faculty of Science and Letters, Department of Statistics and Computer Science, Ankara, [4] Kahramanmaras Sutcu Imam University, Medical Faculty, Department of Internal Medicine, Division of Endocrinology and Metabolism, Kahramanmaras, [5] Duzce University, Duzce Medical Faculty, Neurology Department, Duzce, [6] Baskent University, Medical Faculty, Department of Internal Medicine, Division of Endocrinology and Metabolism, Adana, [7] Cukurova University Medical School, Department of Neurology, Adana, [8] Selcuk University, Meram Medical Faculty, Division of Endocrinology, Konya, [9] Ankara University School of Medicine, Department of Endocrinology and Metabolic Diseases, Ankara

P 121 *Serum-TSH and serum-TPO-Ab oscillate in parallel and high urinary iodine excretion (UIE)predicts subsequent thyroid failure. A one year study of patients with untreated subclinical hypothyroidism (SH).*

J. Karmisholt[1], P. Laurberg[1]
[1] Aalborg Hospital, Åarhus University Hospital, Dept. of Medical Endocrinology, Aalborg

P 122 *To treat or not to treat euthyroid autoimmune disorder during pregnancy.*

C. Daumerie[1]
[1] Catholic University Louvain, Endocrinology, Brussels

P 123 *Erectile dysfunction in stages of thyroid alteration: a detailed investigation*

G. Krassas[1], N. Pontikides[1], K. Tziomalos[2], A. Dumas[3], F. Papadopoulou[1]
[1] Panagia General Hospital, Department of Endocrinology, Diabetes and Metabolism, Thessaloniki, [2] Aristotle University of Thessaloniki, Hippokration Hospital, Thessaloniki, Greece, 2nd, Propaedeutic Department of Internal Medicine, Thessaloniki, [3] Aristotle University of Thessaloniki, Papageorgiou Hospital, Department of Nuclear Medicine, Thessaloniki

P 124 *Papillon Initiative 2006: Thyroid Palpation vs. Sonography*

C. Reiners[1], K. Balzer[2], R. Vaupel[3], K. Wegscheider[2]
[1] University, Nuclear Medicine, Wuerzburg, [2] University, Statistics-Econometrics, Hamburg, [3] Sanofi-Synthelabo, Berlin

P 125 *Is self-reported thyroid dysfunction an obstetrical risk factor?*

E. Suvanto-Luukkonen[1], T. Männistö[1,2], A.-L. Hartikainen[1], M. Vääräsmäki[1], A. Ruokonen[3], M.-R. Järvelin[2,4], A. Pouta[5]
[1] University of Oulu, Department of Obstetrics and Gynecology, Oulu, [2] University of Oulu, Department of Public Health Science and General Practise, Oulu, [3] University of Oulu, Department of Clinical Chemistry, Oulu, [4] Imperial College, Department of Epidemiology and Public Health, London, [5] National Public Health Institute, Department of Child and Adolescent Health, Finland

P 126 *Can autonomously functioning nodules cause tachycardia in patients with normal TSH serum levels?*

J. Prause[1], M. Lürken[1], E. Henze[1], H. Schirrmeister[1]
[1] University of Kiel, Nuclear medicine, Kiel

P 127 *The efficiency of individualize formula of radioiodine dose calculation for thyrotoxicosis treatment (clinical point of view)*

A. Dreval[1], O. Nechaeva[1], I. Komerdus[1]
[1] Moscow Regional Research Clinical Institute, Endocrinology, Moscow

P 128 *Iodine Intake in Portuguese Pregnant Women. Preliminary Results*

E. Limbert[1], S. Prazeres[2], M. São Pedro[2], A. Miranda[3], M. Ribeiro[3], J. Jacome de Castro[4], F. Carrilho[5], H. Reguengo[6], F. Borges[7]
[1] Portuguese Cancer Institute, Endocrinology, Lisboa, [2] Portuguese Cancer Institute, Laboratory of Endocrinology, Lisboa, [3] Portuguese Cancer Institute, Epidemiology, Lisboa, [4] Military Hospital, Endocrinology, Lisboa, [5] University Hospital, Endocrinology, Coimbra, [6] Santo António Hospital, Laboratory of Clinical Pathology, Porto, [7] Santo António Hospital, Endocrinology, Porto

P 129 *Randomized prospective study comparing a single radio-iodine dose and a single laser therapy session in autonomously functioning thyroid nodules*

F. Bennedbæk[1], H. Døssing[2], S. Bonnema[3], P. Grupe[4], L. Hegedüs[3]
[1] Herlev University Hospital, Department of Endocrinology, Herlev, [2] Odense University Hospital, Oto-Rhino-Laryngology, Odense, [3] Odense University Hospital, Endocrinology, Odense, [4] Odense University Hospital, Nuclear Medicine, Odense

P 130 *Frequency and characteristics of TBII-seronegative patients with Graves' hyperthyroidism.*
X.G. Vos[1], N. Smit[1], E. Endert[1], W.M. Wiersinga[1]
[1] Academic Medical Center, University of Amsterdam, Endocrinology and Metabolism, Amsterdam

P 131 *Management of thyroid nodules in north-eastern Bulgaria: cytohistological correlation*
M. Siderova[1], K. Hristozov[1], I. Krasnaliev[2]
[1] University Hospital "St. Marina", Clinic of Endocrinology, Varna, [2] University Hospital "St. Marina", Department of Pathology, Varna

P 132 *Thyroid involvement in a patient with Chanarin-Dorfman syndrome (CDS)*
E. Benelli[1], E. Fiore[1], E. Giustarini[1], C. Giani[1]
[1] University of Pisa, Endocrinology and Metabolism, Pisa

P 133 *Effect of T4-T3 combination therapy versus T4 monotherapy in patients with hypothyroidism, a double blind randomized cross-over study.*
B. Nygaard[1], E. Winther Jensen[1], J. Kvetny[2], A. Jarløv[3], J. Faber[1]
[1] University Hospital, Endocrinology, Herlev, [2] Hospital, Endocrinology, Esbjerg, [3] University Hospital, Endocrinology, Frederiksberg

P 134 *Effects of improved iodine supplementation on the thyroid. Results of an epidemiological study.*
V. Zamrazil[1], R. Bílek[1], J. Čeřovská[1], M. Dvořáková[1], J. Nemeček[1], I. Šterzl[2]
[1] Institute of Endocrinology, Clinical Endocrinology, Prague, [2] Institute of Endocrinology, Immunoendocrinology, Prague

P 135 *The majority of Danish non-toxic goitre patients are ineligible for Levothyroxine suppressive therapy.*
S. Fast[1], S.J. Bonnema[1], L. Hegedüs[1]
[1] Odense University Hospital, Endocrinology and Metabolism, Odense

P 136 *The optimal supplementary dose of iodine during pregnancy in condition of established iodine prophylactic*
M. Klencki[1], D. Slowinska-Klencka[1], S. Stankiewicz[2], M. Berner-Trabska[3], A. Sobieszczanska-Jablonska[1], Z. Szybiński[4], A. Lewinski[1]
[1] Medical University of Lodz, Chair of Endocrinology and Metabolism, Lódz, [2] Province Hospital, Dept. Gynecology and Obstetrics, Lodz, [3] Medical University of Lodz, 1st Chair of Gynecology and Obstetrics, Lódz, [4] Jagiellonian University, Collegium Medicum, Chair and Department of Endocrinology, Krakow

P 137 *Remission after potassium iodide therapy in patients with graves' hyperthyroidism showing thionamide-induced side effect*
K. Okamura[1], K. Sato[1], M. Fujikawa[1], S. Bandai[1], S. Tanabe[1], M. Iida[1]
[1] Kyushu University, Internal Medicine, Fukuoka

P 138 *First Trimester Reference Ranges for Thyroid Hormones: Similarities and Differences between Wales and Turin, Italy*
I. Barnes[2], J. Lazarus[1], A. Parkes[1], N. Wald[2], R. John[3], A. Maina[4], M. Perona[4]
[1] Cardiff University, Centre for Endocrine & Diabetes Sciences, Cardiff, [2] Wolfson Institute of Preventive Medicine, London, [3] Cardiff & Vale NHS Trust, Department of Medical Biochemistry, Cardiff, [4] Azienda Ospedaliera O.I.R.M., S. Anna., Turin

P 139 *Effects of levothyroxine reposition on insulin sensitivity, leptin levels and fat mass in patients with Subclinical Hypothyroidism*

P. Teixeira[1,2], M. Vaisman[1], J. Martins[3], D. Soares[4], V. Braulio[1], A. Buescu[1], M. Cabral[1], A.P. Cony[1], A.J. Costa[1,5]

[1] Federal University of Rio de Janeiro, Medical School, Rio de Janeiro, [2] HUCFF, , Rio de Janeiro, [3] University of state of Rio de Janeiro- UERJ, , Rio de Janeiro, [4] HUPE, , Rio de Janeiro, [5] NESC, , Rio de Janeiro

P 140 *Thyroid hormones in pregnancy: intra-individual variability and correlation to fetal growth.*

M. Boas[1], A. Juul[1], U. Feldt-Rasmussen[2], N.E. Skakkebæk[1], M. Chellakooty[1], T. Larsen[3], J. Falck-Larsen[4], K.M. Main[1]

[1] Copenhagen University Hospital, Rigshospitalet, Department of Growth and Reproduction, Copenhagen, [2] Copenhagen University Hospital, Rigshospitalet, Department of Medical Endocrinology, Copenhagen, [3] Holbæk Hospital, Department of Obstetrics and Gynecology, Holbæk, [4] Copenhagen University Hospital, Herlev Hospital, Department of Obstetrics and Gynecology, Copenhagen

P 141 *Gounds for thyroid volume changes during pregnancy and after delivery in an iodine sufficient area*

S. Gaberscek[1], P. Fister[2], K. Zaletel[1], B. Krhin[1], E. Pirnat[1], K. Gersak[3], S. Hojker[1]

[1] University Medical Centre Ljubljana, Department for Nuclear Medicine, Ljubljana, [2] University Medical Centre Ljubljana, University Childrens Hospital, Ljubljana, [3] University Medical Centre Ljubljana, Department of Obstetrics and Gynaecology, Ljubljana

P 142 *BclI polymorphism in the glucocorticoid receptor gene in patients with graves ophthalmopathy treated with glucocorticoids*

B. Beleslin[1], J. Antic[1], B. Trbojevic[1], M. Zarkovic[1], J. Ciric[1], M. Stojkovic[1], S. Savic[1], S. Damjanovic[1]

[1] Institute of Endocrinology, Belgrade

P 143 *Efficacy of different minimally invasive treatment methods in patients with autonomously functioning thyroid nodules – results of clinical application*

I. Sleptsov[1,2], N. Timofeeva[1,3], R. Chernikov[1], V. Dmitrichenko[1], A. Semenov[3], A. Bubnov[1,3,2], I. Chinchuk[1,3], Y. Fedotov[1], V. Makaryin[4], I. Yumashev[4]

[1] North-Western Regional Medical Center of Roszdrav, Endocrine surgery, St. Petersburg, [2] St. Petersburg Medical Academy of postgraduate study, Department of operative and clinical surgery with topographical anatomy, St. Petersburg, [3] St. Petersburg State University, Medical faculty, department of surgery, St.Petersburg, [4] St. Petersburg Pediatric Medical Academy, Department of pediatric surgery, St. Petersburg

P 144 *Clinical evaluation of true-cut biopsy and galectin-3 detection in patients with follicular neoplasms*

N. Timofeeva[1,2], A. Bubnov[1,2,3], I. Sleptsov[1,3], R. Chernikov[1,3], I. Chinchuk[1,2], A. Semenov[2], E. Bichenkova[1]

[1] North-Western Regional Medical Center of Roszdrav, Endocrine surgery, St. Petersburg, [2] St. Petersburg State University, Medical faculty, Department of surgery, St. Petersburg [3] St. Petersburg Medical Academy of postgraduate study, Department of operative and clinical surgery with topographical anatomy, St. Petersburg

P 145 *Application of ultrasound dopplerography at patients with thyrotoxicosis syndrome*

I. Chinchuk[1,2], V. Rusakov[3], A. Bubnov[1,2,4], I. Sleptsov[1,4], R. Chernikov[1,4], A. Semenov[2], N. Timofeeva[1,2]

[1] North-Western Regional Medical Center of Roszdrav, Endocrine surgery, St. Petersburg, [2] St. Petersburg State University, Medical faculty, Department of surgery, St. Petersburg, [3] Military medical academy, Department of therapy, postgraduate study, St. Petersburg, [4] St. Petersburg Medical Academy of postgraduate study, Department of operative and clinical surgery with topographical anatomy, St. Petersburg

P 146 *Iodine deficiency and thyroid gland volume correlation assessment in school-aged children in some areas of Leningrad region of Russia*

E. Bichenkova[1,2], A. Bubnov[1,3,4], Y. Fedotov[1], I. Sleptsov[1,4], R. Chernikov[1,4], I. Chinchuk[1,3], A. Semenov[3], N. Timofeeva[1,3]

[1] North-Western Regional Medical Center of Roszdrav, Endocrine surgery, St. Petersburg, [2] Military medical academy, Department of therapy, postgraduate study, St. Petersburg, [3] St. Petersburg State University, Medical faculty, Department of surgery, St. Petersburg, [4] St. Petersburg Medical Academy of postgraduate study, Department of operative and clinical surgery with topographical anatomy, St. Petersburg

P 147 *TAO with Thyroiditis of Hashimoto combined with Acromegaly*

M. Petrova[1]

[1] Medical University, Endocrinology, Varna

P 148 *Clinical applications of the second generation TBII assays using recombinant human TSH receptor in Graves' disease*

J.H. Suk[1], M.K. Kim[1], I.J. Choi[1]

[1] Maryknoll Hospital, Internal medicine, Busan

P 149 *Impact of pregnancy on prevalence of goitre and nodular thyroid disease in women living in a region with borderline iodine deficiency*

S. Schötz[1], S. Karger[1], M. Stumvoll[1], D. Führer[1]

[1] University of Leipzig, Department of Internal Medicine III, Leipzig

P 150 *Choice of 131I activity for retreatment after the first unsuccessful therapy in patients with Graves' disease*

M. Knapska-Kucharska[1], J. Makarewicz[1], L. Oszukowska[1], A. Lewiski[1,2]

[1] Medical University, Department of Nuclear Medicine and Oncological Endocrinology, [2] Medical University, Chair and Department of Endocrinology and Metabolic Diseases, Łódź

P 151 *Total thyroid volume of schoolage children in endemic waterborne fluorosis an mild iodine deficiency area in turkey*

B. Kale Koroglu[1], A. Kutlucan[2], S. Kıztanir[2], E. Uzun[3], M.N. Tamer[1], M. Akdogan[4], H. Vural[4]

[1] Suleyman Demirel University, Endocrinology and Metabolism, Isparta, [2] Suleyman Demirel University, Internal Medicine, Isparat, [3] Suleyman Demirel University, Public Health, Isparta, [4] Suleyman Demirel University, Biochemistry, Isparta

P 152 *Thyroid hormone levels in untreated patients with Graves' disease correlate with the peak systolic velocity*

K. Zaletel[1], S. Gaberscek[1], E. Pirnat[1], S. Hojker[1]

[1] University Medical Centre Ljubljana, Department for Nuclear Medicine, Ljubljana

P 153 *Non invasive ablation of a toxic nodule by HIFU (high intensity focused ultrasound)*

O. Esnault[1], A. Rouxel[2], E. Le Nestour[3], G. Gueron[4], A. Aurengo[2], L. Leenhardt[2]

[1] ENT department, Paris, [2] Pitié Salpétrière Hospital, Department of Nuclear Medicine, Paris, [3] Theraclion, Paris, [4] 46 av de Ternes, Paris

P 154 *A three-year follow-up of the radioactive (131I) treatment of multinodular goiter preceded by 0.1mg of recombinant human TSH*

R. Romão[1], I.G.S. Rubio[1], M.S. Cardia[1], R. Camargo[1], E. Tomimori[1], M. Knobel[1], G. Medeiros-Neto[1]

[1] University of São Paulo, Thyroid Unit Lim25 Endocrinology, São Paulo

P 155 *Radioiodine therapy in patients with graves' disease and toxic multinodular goiter in a scottish population- comparision of efficacy of two different doses*

S. Ghosh[1], A. Roychoudhury[1], A. Collier[1], I. Malik[1], S. Sarkar[1], J. Pal[1]
[1] The Ayr Hospital, Ayr

P 156 *Natural history of spontaneous subclinical hyperthyroidism. A prospective and observational study*

J.A. Sgarbi[1], J.H. Romaldini[2]
[1] University of Marilia, Endocrinology, Marilia, SP, [2] PUC-Campinas-HSPE, IAMSPE, Endocrinology, Campinas

P 157 *Serum anti-thyroid antibodies are not associated to cytological diagnosis of papillary thyroid cancer*

T. Rago[1], E. Fiore[1], G. Di Coscio[2], I. Marchetti[2], G. Scuotri[2], L. Grasso[1], A. Pinchera[1], P. Vitti[1]
[1] University of Pisa, Department of Endocrinology, Pisa, [2] University of Pisa, Department of Oncology - Section of Pathology, Pisa

P 158 *Chromosomial disorders and Graves disease: two case reports*

H.I. Ursu[1], M. Purice[2], M. Belgun[2], D. Ioan[3]
[1] Institute of Endocrinology, Thyroid Unit, Bucharest, [2] Institute of Endocrinology, Nuclear medicine, Bucharest, [3] Institute of Endocrinology, Human Genetics, Bucharest

P 159 *Long term effects of iodine prophylaxis in Poland*

F. Golkowski[1], M. Trofimiuk[1], M. Buziak-Bereza[1], B. Huszno[1], D. Birkholz[2], A. Balcerska[2], Z. Szybiński[1]
[1] Jagiellonian University, Collegium Medicum, Department of Endocrinology, Krakow, [2] Medical University of Gdansk, Gdansk

P 160 *Comparison of Palpation Guided Fine Needle Aspiration Biopsy with Ultrasound Guided Fine Needle Aspiration Biopsy in The Evaluation of Big Thyroid Nodules*

S. Kilinc[1], O. Demir[2], M. Cesur[1], R. Emral[2], N. Erdogan[3], M.A. Temel[4], D. Corapcioglu[2], G. Erdogan[1]
[1] Ufuk University, Medical Faculty, Department of Endocrinology and Metabolic Diseases, Ankara, [2] Ankara University, School of Medicine, Department of Endocrinology and Metabolic Diseases, Ankara, [3] Ankara University, School of Medicine, Department of Pathology, Ankara, [4] Baskent University Faculty of Science and Letters, Department of Statistics and Computer Science, Ankara

P 161 *Does amiodarone modify proinflamatory cytokines' pattern in thyrotoxicosis?*

R.-A. Trifanescu[1], S. Fica[1,2], D. Dimulescu[3,4], A. Sarbu[1,2], M. Rotaru[5], S. Florea[5], M. Coculescu[1,6]
[1] "Carol Davila" University of Medicine and Pharmacy, Endocrinology, Bucharest, [2] Elias Emergency Hospital, Endocrinology, Bucharest, [3] Elias Emergency Hospital, Cardiology, Bucharest, [4] "Carol Davila" University of Medicine and Pharmacy, Cardiology, Bucharest, [5] Elias Emergency Hospital, Biochemistry, Bucharest, [6] "C.I.Parhon" Institute of Endocrinology, Endocrinology, Bucharest

P 162 *TSH values distribution in a randomised population from a Italian town.*

L. Vianale[1], P. Ranieri[2], A. De Remigis[2], B. Di Nenno[1], F. Monaco[1], G. Napolitano[1], P. De Remigis[2]
[1] Medical School University Chieti, Endocrinilogy, Chieti, [2] General Hospital, Endocrine Unit, Chieti

P 163 *Thyroid Parameters in Pregnant Women with Low Iodine Uptake*

M. Simescu[1], C. Podia[2], D. Pelinescu[3], I. Tutoianu[2], G. Hazi[4], I. Duneca[4], C. Georgescu[4], M. Sava[1], S. Chivu[1], R. Dumitru[5], M. Varciu[6]
[1] Institute of Endocrinology C. I. Parhon, Bucharest, [2] Department of Endocrinology, Sibiu,[3] Filantropia, Ginecology, Bucharest, [4] Department of Endocrinology, Cluj, [5] Department of Ginecology, Sibiu, [6] Department of Endocrinology, Brasov

P 164 *Detailed age-dependent reference intervals for TSH, thyroid hormones, and thyroid antibodies are required for assessing thyroid function in paediatrics*

J. Kratzsch[1], F. Pulzer[2], R. Pfaeffle[2], A. Koerner[2], A. Dietz[3], W. Kiess[2], J. Thiery[1], G. Schubert[1]
[1] University Hospital, Institute of Laboratory Medicine, Clinical Chemistry and Molecular Diagnostics, Leipzig, [2] University Hospital, Department of Pediatrics, Leipzig, [3] University Hospital, Department of Otorhinolaryngology, Leipzig

P 165 *Association of thyroid volume with nutritional habits in southwestern Albania.*

M. Alevizaki[5], E. Mantzou[2], A. Mastrokostopoulos[3], K. Saltiki[4], C. Stavrianos[5], J. Doupis[1]
[1] Endocrinology, Metabolism and Diabetes, Evgenideion Hospital, Athens University School of Medicine and Military Hospital of Gyrocaster, Athens, [2] Evgenideion Hospital, Athens University School of Medicine, Endocrinology, Metabolism and Diabetes, Athens, [3] Military Hospital of Gyrocaster, Albania, Gyrocaster, [4] Evgenideion Hospital, Athens University School of Medicine, Endocrinology, Metabolism and Diabetes, Athens, [5] Athens University School of Medicine, Evgenideion Hospital, Endocrinology, Metabolism & Diabetes, Athens

P 166 *Clinical and ultrasonographic dilemma: are what we palpate on thyroid examination and what we see on ultrasonography the same?*

R. Ersoy[1], B. Cakir[1], O. Topaloglu[1], M. Gumus[2], C. Sisman[3], K. Gul[1], C. Aydin[1], A. Dirikoc[1], B. Korukluoglu[3]
[1] Ankara Ataturk Education and Research Hospital, Department of Endocrinology and Metabolism, Ankara, [2] Ankara Ataturk Education and Research Hospital, Department of Radiology, Ankara, [3] Ankara Ataturk Education and Research Hospital, Department of General Surgery, Ankara

P 167 *Ethanol instillation of adenoma of the thyroid gland - a fifteen-years experience and follow-up*

W. Blank[1], B. Braun[1], A. Kunz[1]
[1] Klinikum am Steinenberg Reutlingen, Internal medicin, Reutlingen

P 168 *Thyroid Fine Needle Aspiration Biopsy: Is local anesthesia required?*

H. Demirci[1], E. Kan[1], A. Karakoc[1], F. Balos Toruner[1], M. Arslan[1]
[1] Gazi University, Faculty of Medicine, Endocrinology, Ankara

P 169 *Thyroid function in Fabry disease before and after enzyme replacement therapy*

A. Faggiano[1], F. Milone[1], A. Pisani[2], V. Ramundo[1], M. Gaccione[1], M.G. Filippella[1], F. Tortora[3], G. Vallone[3], G. Lombardi[1], B. Cianciaruso[2], A. Colao[1]
[1] "Federico II" University , Molecular and Clinical Endocrinology and Oncology , Naples, [2] "Federico II" University , Nephrology , Naples, [3] "Federico II" University , Radiology , Naples

P 170 *The utility of Ultrasound-Guided Fine-Needle Aspiration in thyroid nodules management*

A. Kokkinaki[1], A. Vryonidou[2], E. Gamvroula[1], N. Lepida[1], C. Phenekos[2], S. Mylona[1]
[1] Red Cross Hospital, Department of Radiology, Athens, [2] Red Cross Hospital, Department of Endocrinology, Athens

P 171 *The thyroid gland volume, in young children and adolescents living in severe iodine deficiency or iodine replete areas, correlates strongly with free fat body mass*

K. Markou[1], A. Tsekouras[1], E. Anastasiou[2], V. Vlassopoulou[2], E. Koukkou[2], M. Rashitov[3], B. Azizov[3], E. Lampropoulou[1], A. Theodoropoulou[1], P. Milonas[1], S. Ismailov[3], A. Vagenakis[1], N. Georgopoulos[4]
[1] University, Endocrinology, Patras, [2] Hellenic, Endocrine, Society, [3] Institute, Endocrinology, Tashkent, [4] University, Obstetrics and Gynecology, Patras

P 172 *Increased risk of Cardiovascular events in Subclinical Hyperthyroidism*

M. Schultz[1], C. Kistorp[2], J. Faber[2]
[1] Frederiksberg University Hospital, Dep. of Cardiology & Endocrinology E, Frederiksberg, [2] Herlev University Hospital, Dep. of Endocrinology J, Herlev

P 173 *Serious side-effects of intravenous glucocorticoid treatment in severe Endocrine Ophthalmopathy.*
U. Feldt-Rasmussen[2], H. Fledelius[1], Å.K. Rasmussen[2], M. Lendorf[1]
[1] National University Hospital, Department of Ophthalmology, Copenhagen, [2] National University Hospital, Department of Medical Endocrinology, Copenhagen, Denmark

P 174 *An unusual association of Graves' disease with hypopituitarism*
M.-E. Pelletier[1], D. Bellabarba[1], J.-L. Ardilouze[1], A. Carpentier[1]
[1] FMSS, Université de Sherbrooke, Endocrinology, Sherbrooke, Québec

P 175 *Valuation of neonatal thyroid function and anthropomorphic parameters in newborns from mothers affected by thyroid diseases*
E. Gianetti[1], M. Tonacchera[1], L. Russo[1], M. Ciampi[1], F. Santini[1], D. Gazzarrini[2], S. Pierini[2], G. Gelato[2], T. Donato[2], A. Celandroni[2], P. Vitti[1], A. Pinchera[1]
[1] University of Pisa, Department of Endocrinology and Metabolism, Pisa, [2] F. Lotti Hospital, Pediatric Unit, Pontedera

P 176 *Coronary flow reserve (CFR) in patients with subclinical hypothyroidism*
B. Biondi[1], M. Pulcrano[1], S. Ippolito[1], A. Rossi[1], A. D'Errico[2], M. Eidiropulos[2], M. Galderisi[2], O. de Divitiis[2], G. Lombardi[1], L. Pagano[1]
[1] University, Endocrinology, Naples, [2] University, Cardiology, Naples

P 177 *Preparation to radioiodine treatment with recombinant thyrotropin prevents fast growth of undisclosed regional thyroid cancer metastases*
S. Cherenko[1], O. Larin[1]
[1] Ukrainian Research Center of Endocrine Surgery, Kyiv, Ukraine

Thyroid Hormone Metabolism and Action Poster

P 178 *The autoimmune hyperthyroidism of Graves' Disease (GD) is strictly correlated to the Helicobacter Pylori (HP) colonization of the stomach.*
V. Bassi[1], C. Santinelli[1], C. Brighina[1]
[1] U.O.C. di Medicina Generale e di Urgenza, P.O. S. G. Bosco, ASL Na 1, Naples, Italy

P 179 *Erroneous regulation of E2F1 by triiodothyronine and its nuclear receptors: a potential impact on overexpression of E2F1 in clear cell Renal Cell Carcinoma*
O. Turowska[1], A. Nauman[1], M. Pietrzak[2], P. Popławski[1], A. Master[1], M. Nygard[3], M. Bondesson[3], Z. Tanski[4], M. Puzianowska-Kuznicka[1,2]
[1] Medical Centre of Postgraduate Education, Department of Biochemistry and Molecular Biology, Warsaw, [2] Medical Research Center, Polish Academy of Sciences, Department of Endocrinology, Warsaw, [3] Karolinska Institute, Department of Biosciences and Nutrition, Huddinge, [4] Specialistic Hospital, Urology, Ostroleka

P 180 *Characterization of polymorphisms in the Thyroid Hormone Receptor Beta (THRB) gene and estimation of their influence on thyroid hormone parameters using a large twin cohort*
H. Gásdal Sorensen[1], W. van der Deure[2], P. Skov Hansen[3,1], R. Peeters[2], K. Ohm Kyvik[3], L. Hegedüs[1], T. Visser[2]
[1] Odense University Hospital, Department of Endocrinology and Metabolism, Odense, [2] Erasmus University Medical Centre, Internal Medicine, Rotterdam, [3] University of Southern Denmark, The Danish Twin Registry, Epidemiology, Institute of Public Health, Odense

P 181 *Organ-specific effects of 3,5-diiodo-L-thyronine on fatty acid uptake and release in high-fat diet-fed rats through differential regulation of AMP- activated protein kinase.*

P. de Lange[1], P. Farina[1], A. Feola[1], R. Senese[1], M. Moreno[2], A. Lombardi[3], E. Silvestri[2], F. Goglia[2], A. Lanni[1]

[1] Seconda Università degli Studi di Napoli, Scienze della Vita, Caserta, [2] Università degli Studi del Sannio, Dipartimento di Scienze Biologiche ed Ambientali, Benevento,[3] Università degli Studi di Napoli, Dipartimento delle Scienze Biologiche, Napoli

P 182 *3,5-diiodo-L-thyronine-induced proteomic changes in liver mitochondria from high fat- fed- rats: evidences from two-dimensional electrophoresis.*

E. Silvestri[1], *L. Burrone*[1], *A. Lombardi*[2], *P. de Lange*[3], *P. Farina*[3], *A. Feola*[3], *A. Lanni*[3], *F. Goglia*[1], *M. Moreno*[1]

[1] Università del Sannio, Scienze Biologiche ed Ambientali, Benevento, [2] Università di Napoli, Scienze Biologiche, Napoli, [3] Seconda Università di Napoli, Scienze della Vita, Caserta

P 183 *High induction of type III deiodinase (D3) expression after partial hepatectomy in the regenerating mouse and rat liver*

M. Kester[1], C. Punt[2], H. Toussaint[2], M. Everts[2], A. de Bruin[2], T. Visser[1]

[1] Erasmus Medical Centre, Internal Medicine, Rotterdam, [2] Utrecht University, Pathobiology, Utrecht

P 184 *Differences in T3 uptake and metabolism in fibroblasts of MCT8 patients reflect phenotypic variability*

W.E. Visser[1], J. Jansen[1], M.H. Kester[1], O.F. Brouwer[2], R.J. Lunsing[2], J. Lundgren[3], E. Mancilla[4], E.C. Friesema[1], T.J. Visser[1]

[1] Erasmus Medical Centre Internal Medicine, Rotterdam, [2] University Hospital Groningen, Pediatrics, Groningen, [3] University Hospital Lund, Child Neurology, Lund, [4] Institute of Biomedical Sciences, Programme of Pathophysiology, University of Chile, Santiago

P 185 *Effects of sulfur- and selenium-containing derivatives of MMI and PTU on type I 5´-deiodinase and thyroperoxidase*

P. Scholz[1], G. Mugesh[2], P. Ambrugger[3], C. Schmutzler[1], J. Köhrle[1]

[1] Charité - Universtiätsmedizin Berlin, Experimentelle Endokrinologie, Berlin, [2] Indian Institute of Science, Department of Inorganic and Physical Chemistry, Bangalore, India, [3] Charité - Universitaetsmedizin Berlin, Experimentelle Paediatrische Endokrinologie, Berlin

P 186 *Differential regulation of Dio2 and Dio3 during metamorphosis in Senegal sole (Solea senegalensis): daily and developmental changes*

E. Isorna[1], M.J. Obregon[2], R.M. Calvo[2], R. Vazquez[3], J. Falcon[4], J.A. Muñoz-Cueto[5]

[1] Universidad de Cadiz, Facultad de Ciencias del Mar y ambientales, Depart Biology, Puerto Real, [2] Inst. Investigaciones Biomedicas, Molecular Endocrinology, Madrid, [3] Universidad de Cadiz, Laboratorio de Cultivos marinos, Puerto Real, [4] CNRS et UPMC et CNRS/Ifremer, Laboratoire Arago UMR7628, Banyuls/Mer, France, [5] Universidad de Cadiz. Fac Ciencias del Mar y ambientales, Depart. Biology, Puerto Real

P 187 *Results of iodic security monitoring of byelorussian children*

T. Mokhort[1], A. Oceanov[2], N. Gomolko[2], N. Oceanova[2], S. Petrenko[2]

[1] The Belarus State Medical University, Endocrinology, Minsk, [2] The International state ecological university named after A.D.Sacharova, Endocrinology, Minsk

P 188 *A Case of Thyroid Hormone Resistance Syndrome in a Newborn*

H. Gozu[1], R. Bircan[2], S. Comert[3], Y. Akin[3], S. Turan[3], M. Seker[4], O. Volkan[4], H. Sargin[1], E. Orbay[4], T. Salepci[4], A. Yayla[4], A. Vitrinel[3]

[1] Dr.Lütfi Kırdar Kartal Education and Research Hospital, Endocrinology and Metabolism Section, Istanbul [2] Marmara University, School of Medicine, Department of Medical Biology and Genetics, Istanbul, [3] Dr.Lütfi Kırdar Kartal Education and Research Hospital, Pediatric Department, Istanbul, [4] Dr.Lütfi Kırdar Kartal Education and Research Hospital, Department of 1st Internal Medicine, Istanbul

P 189 *Muscle D2 mRNA expression increases during NTI; no relation with serum T3 levels.*

J. Kwakkel[1], M. van Beeren[1], W. Wiersinga[1], A. Boelen[1]
[1] Academic Medical Center, University of Amsterdam, Endocrinology & Metabolism, Amsterdam

P 190 *Risk factors of permanent hypoparathyroidism after thyroidectomy*

B. Royer[1], C. Tresallet[1], F. Menegaux[1]
[1] APHP-Univeristé Pierre et Marie Curie, General Surgery Department, Paris

P 191 *Transient and continued fetal/neonatal hypothyroidism affects epididymis, Leydig cell and Sertoli cell development*

E. Rijntjes[1], A. van Kesteren-Buiting[1], H. Swarts[1], K. Teerds[1]
[1] Wageningen University, Human and Animal Physiology, Wageningen

P 192 *Thiocyanate overload decreases iodine supply in iodine-deficient breast-fed infants.*

J. Vanderpas[1], M.T. Rivera[1], H. Berquist[1], C.H. Thilly[1,2]
[1] Centre hospitalier universitaire Brugmann, Unité d'épidémiologie et d'hygiène hospitalière, Brussels, [2] Karawa Hospital, , Congo, Ruanda

P 193 *Type 3 Deiodinase expression in inflammatory spinal cord lesions in rat experimental autoimmune encephalomyelitis.*

A. Boelen[1], J. Mikita[2], O. Chassande[3], E. Fliers[1], W.M. Wiersinga[1], K.G. Petry[2]
[1] Academic Medical Centre, Endocrinology and Metabolism, Amsterdam, [2] Université Victor Segalen Bordeaux 2, EA2966-Neurobiologie des affections de la myeline, Bordeaux, France, [3] Université Victor Segalen Bordeaux 2, INSERM U 577, Bordeaux, France

P 194 *The impact of the C785T polymorphism in the deiodinase type 1 gene (DIO1) on the inter-individual variation in serum thyroid parameters*

R. Peeters[1], P. Skov Hansen[2,3], W. van der Deure[1], M. Fenger[4], T. Sørensen[5], K. Ohm Kyvik[3], L. Hegedüs[2], T. Visser[1]
[1] Erasmus University Medical Centre, Internal Medicine, Rotterdam, [2] Odense University Hospital, Endocrinology and Metabolism, Odense, [3] University of Southern Denmark, The Danish Twin Registry, Epidemiology, Institute of Public Health, Odense, [4] University of Hospital of Copenhagen, Clinical Chemistry, Copenhagen, [5] Copenhagen University Hospital, Danish Epidemiology Science Centre, Institute of Preventive Medicine, Copenhagen

P 195 *The relationship between diurnal variation of TSH and thyroid blood flow with Doppler ultrasonography in healthy adults*

R. Ersoy[1], K. Gul[1], M. Gumus[2], A. Ipek[2], O. Topaloglu[1,3], C. Aydin[1], A. Dirikoc[1], B. Cakir[1]
[1] Ankara Ataturk Education and Research Hospital, Department of Endocrinology and Metabolism, Ankara, [2] Ankara Ataturk Education and Research Hospital, Department of Radiology, Ankara, [3] , ,

P 196 *The association between selenium and thyroid function test*

M. Aghajany[1], S. Kalantari[2], A. Sobhani[3]
[1] University , Biochemistry, Esfahan, [2] University , Endocrinology, Rasht, [3] University, Pharmacology, Rasht

P 197 *3, 5-diiodothyronine (T2) induces calcium oscillations and NO release in GH3 cells*

L.M. Canzoniero[1], A. Secondo[2], A. Esposito[2], M. Moreno[1], E. Silvestri[1], A. Del Viscovo[1], C. Franco[1], A. Lanni[3], F. Goglia[1]
[1] University of Sannio, Biological and Environmental Sciences, Benevento, [2] University Federico II ,Neuroscience, Naples, [3] Second University of Naples, Life Sciences, Caserta

SATURDAY, September 1st, 2007

Welcome Reception

20.00 - 23.00 | Museum of Fine Arts

All congress participants and accompanying persons are invited.

Leipzig's Museum of Fine Arts was founded in 1837 by the art society Leipziger Kunstverein. Due to donations of art societies and generous individuals a collection of about 2,700 paintings (from the late Middle Ages to the present), 750 sculptures and more than 55,000 drawings and graphic reproductions could be established.

Its extensive collection of Cranach paintings is unique in the world. The museum also places great importance on the presentation of contemporary arts. In 2004, the museum moved to its new location in Katharinenstrasse near the old town hall.

MONDAY, September 3rd, 2007

Excursion "I have to praise my Leipzig …"

16.00 - 23.30 | Leipzig

"I have to praise my Leipzig, it is a little Paris and educates its citizens." This saying taken from Germanys important writer Johann Wolfgang von Goethe is the most charming description of Leipzig and its cultural life.

This guided walking and bus tour will give you an overview about the most important sights of Leipzig and its rich history, for example the Opera House, the Old Town Hall, the Old Stock Exchange, the church St. Nikolai, cradle of the Peaceful Revolution in 1989, the Leipzig Central Station, the Museum of Fine Arts, the arcade Mädler Passage and the Monument of the Battle of the Nations.

Before you will have a dinner in Europe´s largest students club Moritzbastei an organ concert at JS Bachs St. Thomas Church will be the impressive finale of our excursion into Leipzig´s history.

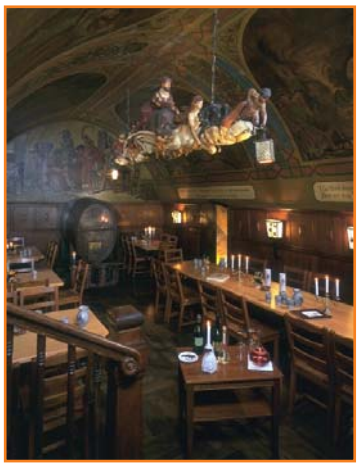
Monday, September 3rd, 16:00 to 23:30
25,00 € (30,00 € on-site) per person

TUESDAY, September 4th, 2007

Gala Dinner at Auerbachs Keller

20.30 - 23.30 | Restaurant „Auerbachs Keller"

The Gala Dinner of the 32nd Annual Meeting takes place at Auerbachs Keller, one of the most traditional restaurants. In the year 1525 the recognised doctor and philosopher Dr. Heinrich Stromer von Auerbach (1482-1542) started secretly to sell wine to students in the Grimmaische Gasse in Leipzig.



This was the beginning of the extraordinary success of Auerbachs Keller. Since then lots of different people have run this prestigious restaurant and added to what it always was and is today: A world famous icon for the city of Leipzig! Take yourself a cultural and culinary discovery trip.

Auerbachs Keller is not only famous because Johann Wolfgang von Goethe was here. Even long before his time the saying went: "He who travels to the trade markets of Leipzig without visiting Auerbachs Yard must hold his peace. It proves: He has not seen Leipzig."

Tuesday, September 4th, 20:00 to 23:30
50,00 € (55,00 € on-site) per person

REGISTRATION

Conference Fees	Before May 31	After May 31	On-Site
ETA Ordinary/Senior Member	160,00 €	230,00 €	**260,00 €**
ETA Junior Member	110,00 €	180,00 €	**210,00 €**
ETA Corresponding Member	310,00 €	370,00 €	**400,00 €**
Non-Member	370,00 €	430,00 €	**460,00 €**
Student/Research Fellow*	210,00 €	260,00 €	**310,00 €**
Accompanying Person	120,00 €	120,00 €	**120,00 €**
ETA-CRN	100,00 €	100,00 €	**100,00 €**
ICCIDD	40,00 €	40,00 €	**40,00 €**
Ultrasonography Course	150,00 €	150,00 €	**150,00 €**
Social Programme			
Excursion**	25,00 €	25,00 €	**30,00 €**
Gala Dinner**	50,00 €	50,00 €	**55,00 €**

*) To qualify for the Student/Research Fellow fee, you must be a full-time postgraduate student and you should send your registration form along with a letter from the head of department confirming your status.

**) For evening events (except Welcome Reception) as well as for the excursion and all sightseeing tours a seperate registration is necessary. Reservation is on a first come first served basis. Sightseeing tours will only take place if the minumum number of participants was reached. The Organisers can not guarantee that tickets will still be a available at the registration desk during conference. Because of that it is recommended to make your ticket reservation when registering to the conference.

The Sächsische Landesärztekammer has granted 27 credits to the meeting.

The EACCME has granted 24 European CME credits (ECMEC) to the meeting.

The registration package includes:

Main Conference Fees Participants:
- Attendance to the scientific sessions and entry to the exhibition
- Congress bag containing the final programme and the abstract book
- Attendance to the Opening Ceremony and Welcome Reception
- Access to on-site internet point
- Morning and afternoon coffees, drinks and pastries
- Certificate of attendance
- 19 % German VAT

Main Conference Fees Accompanying Persons:
- Opening Ceremony and Welcome Reception
- Sightseeing tour of Leipzig

ETA/CRN
Admission to the Scientific Sessions, congress material, lunch and coffee breaks.

ICCIDD
Admission to the Scientific Sessions, congress material, lunch and coffee breaks.

Practical Course of Thyroid Ultrasonography
Admission to the Scientific Sessions, congress material, lunch and coffee breaks.

On-Site Registration / Registration Desk

The on-site Conference Office (Registration Desk) is located in the lobby of the Conference Centre (Carl Ludwig Institute). During conference (1 until 5 September) you can reach the Registration Desk as follows:

Phone +49 341 9 71 51 70
Fax +49 341 9 71 51 71

On-site registration will occur to the below-mentioned times:

31 August	No registration, access for exhibitors only
1 September	08.00 until 19.00 hours
2 September	07.00 until 21.00 hours
3 September	07.00 until 17.00 hours
4 September	07.30 until 20.00 hours
5 September	07.30 until 14.00 hours

Terms of Payment

When registering online, participants paying via credit card must submit payment totaling their registration fee in order to guarantee registration. Please note that your credit card is also needed as a guarantee for your hotel reservation. Participants paying via an institutional Purchase Order will need to provide that Purchase Order number. All participants will receive an invoice which they should forward to the appropriate financial personnel for prompt payment. Personal and crossed checks are NOT accepted.

All payment must be made in EURO. In case of bank-to-bank transfers please make sure that your transfer is free of any bank charges. We accept the following credit cards: American Express, VISA, Mastercard (Eurocard). If you want to pay cash at the Conference Office during conference please note that we accept EURO only.

Insurance

Registration fees do not include insurance of any kind. The organisers cannot accept any responsibility or liability for injuries or losses sustained as a result of any cancellations, accidents, illness or other occurrences that may arise in connection with the ETA Annual Meeting 2007 functions, Accompanying Persons Programme as well as Pre- and Post Conference Tours. Participants are advised to take out appropriate travel and health insurance themselves.

Cancellations

The registration fee is refundable, minus 100 EURO handling fee, on or before May 31st. Unpaid balances are due in full by May 31st.

The Conference Office must receive notification in writing of cancellation via email at eta2007@kitleipzig.de no later than May 31st. After May 31st deposits or full payments are NON-REFUNDABLE.

GENERAL INFORMATION

Venue
Carl Ludwig Institute
University Hospital Leipzig
Liebigstr. 20
04103 Leipzig · Germany

Time
1st to 5th September 2007

Oral Presentation
Powerpoint is the prefered format for presentation. Presenters must check in their presentations at least 2 hours before their session begins. All conference rooms are fully equipped with a pc/notebook for presentation, LCD data projector ("beamer") and screen. It will not be possible to use slides. Please note that there will be no facilities for overhead projection.

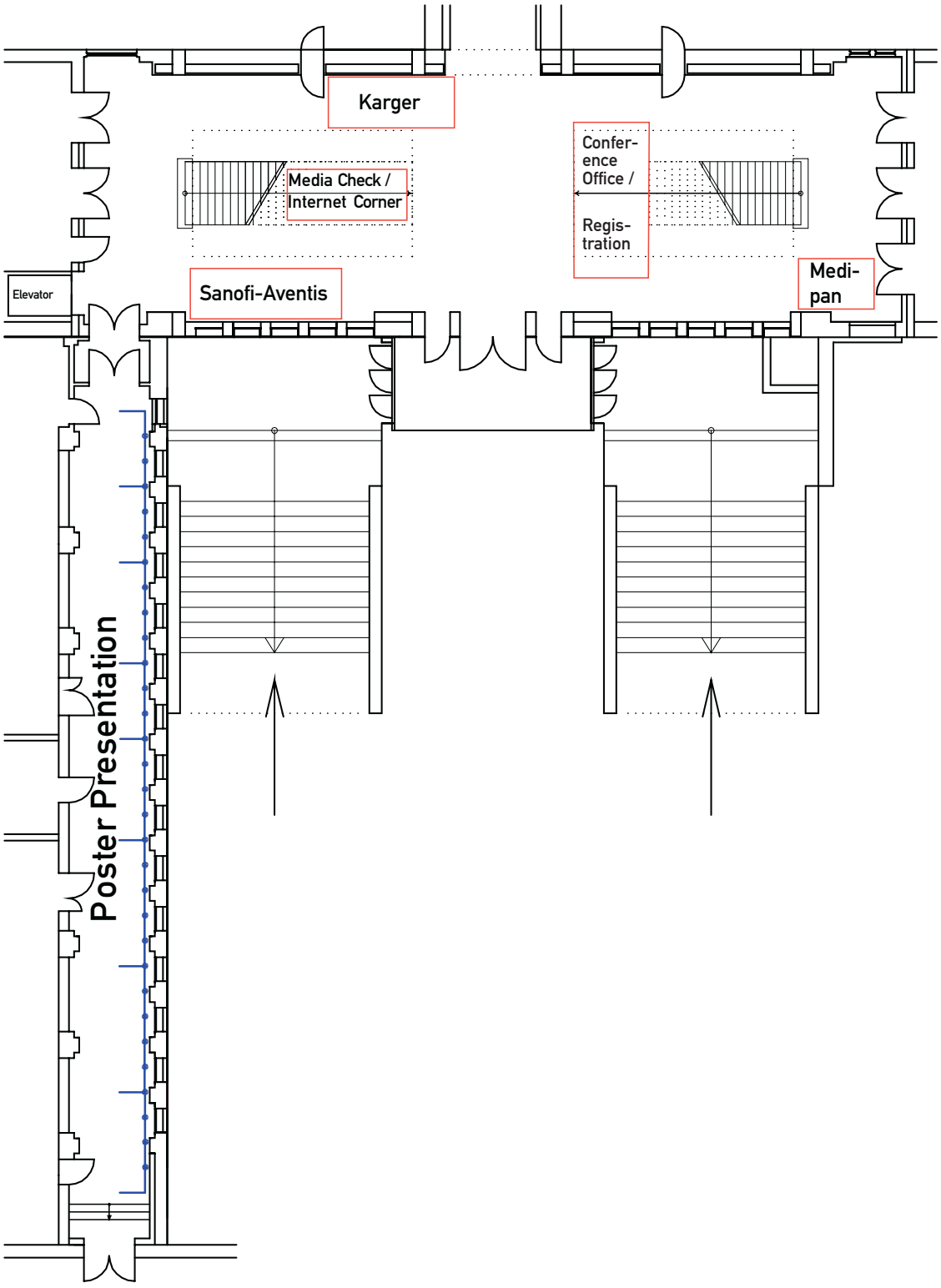
Poster Displays
Poster boards are 90 cm width by 200 cm height. It is recommended that displays do not exceed 150 cm in height. Poster strips to clip displays on the boards will be provided. Posters can be put up from 15.00 h on September 1st, 2007 and must be removed no later than 14.00 h on September 5th, 2007.

Language
The official language of the meeting is English. There is no translation service on-site.

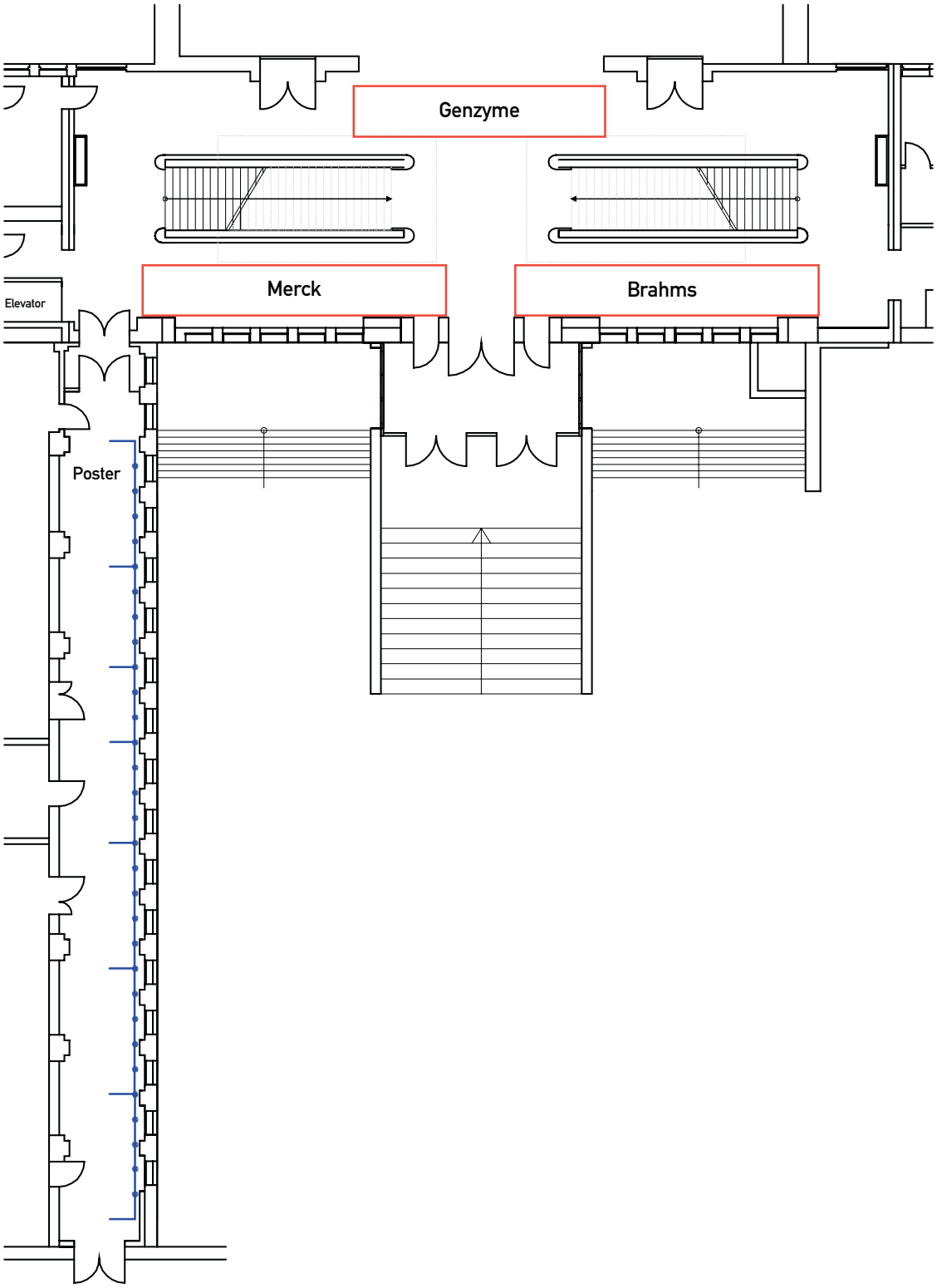
Mail and Messages
Computer facilities will be provided to all participants for internet access to email. These facilities are located in the Conference Centre (Carl Ludwig Institute). In order for you to use these facilities, you must wear your name badge.

Ground Floor

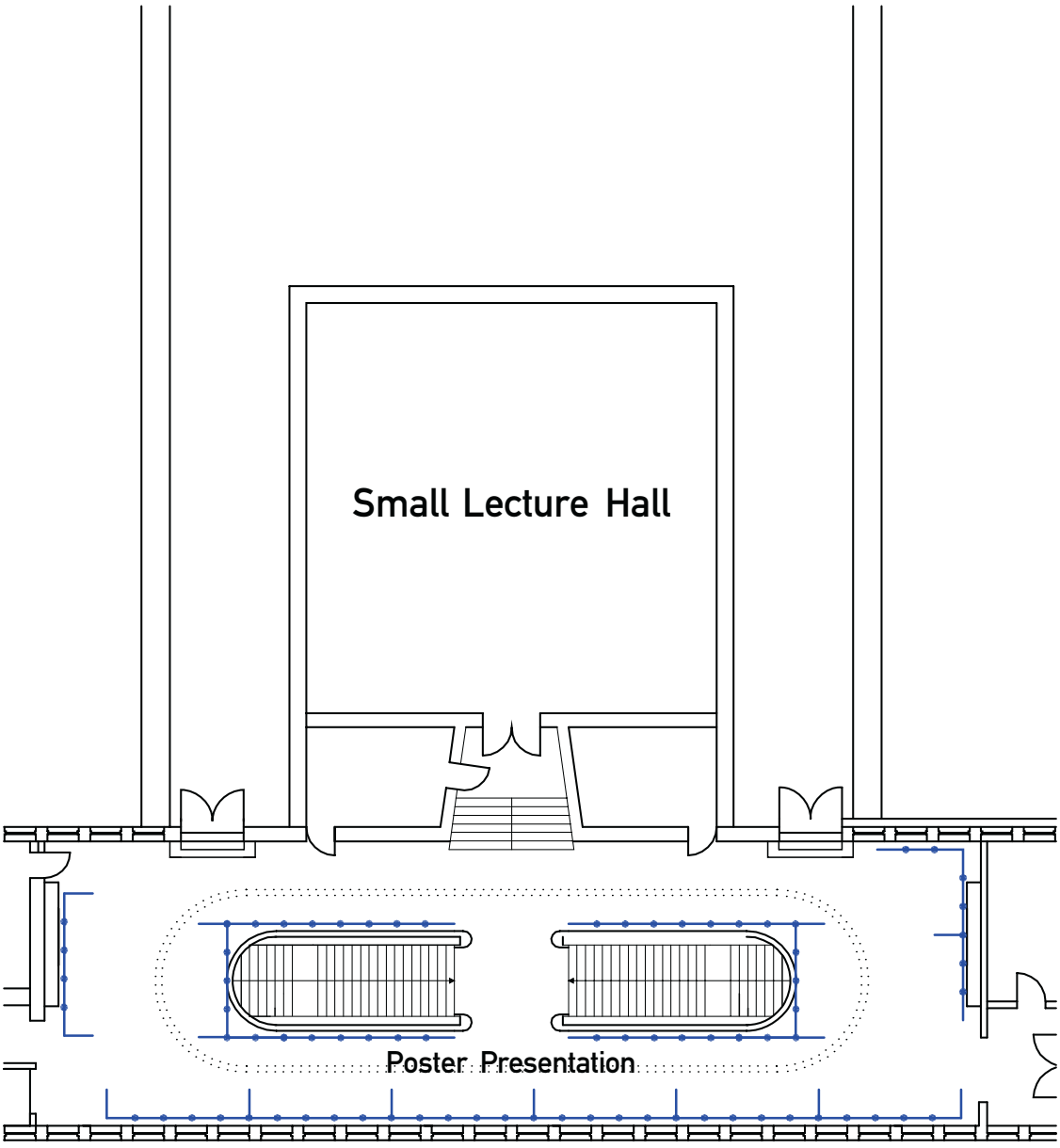
Big Lecture Hall



First Floor



Second Floor



Map of Leipzig

1 Carl Ludwig Institute (Liebigstr. 20)
2 The Westin Leipzig (Gerberstr. 45)
3 Victor's Residenz Hotel (Georgiring 13)
4 Seaside Hotel Leipzig (Richard Wagner-Str. 7)
5 Mercure Leipzig am Johannisplatz (Stephanstr. 6)
6 Mercure Leipzig am Augustusplatz (Augustusplatz 5-6)
7 Holiday Inn Garden Court (Kurt Schumacher Str. 3)
8 Hotel Ibis Leipzig Zentrum (Brühl 69)
9 Museum of Fine Arts Leipzig (Katharinenstr. 10)
10 St. Thomas Church (Thomaskirchhof 18)
11 Main Station

Acknowledgements

The Local Organising Committee wishes to thank the below-mentioned companies.

genzyme

AstraZeneca
life inspiring ideas

B • R • A • H • M • S

Deutsche
Forschungsgemeinschaft
DFG

KARGER

MERCK

Abbott
A Promise for Life

MEDIPAN

sanofi aventis
L'essentiel c'est la santé.

Timetable

SATURDAY, SEPTEMBER 1st, 2007

TIME	SESSION	ROOM	PAGE
09.00 - 16.00	ICCIDD – West Central Europe Regional Meeting	Big Lecture Hall	7
09.00 - 16.00	Practical Diagnostic Thyroid and Parathyroid Ultrasonography Course	Seminar 1	8
15.00 - 18.00	Educational Symposium: Microscopy in the 21st Century – 2D or 3D	Seminar 6	9
09.00 - 18.00	ETA-CRN	Small Lecture Hall	5
20.00 - 23.00	Welcome Reception at the Museum of Fine Arts		78

TUESDAY, SEPTEMBER 4th, 2007

TIME	SESSION	ROOM	PAGE
08.30 - 10.30	Young Investigator Session	Big Lecture Hall	33
10.30 - 10.45	Lissitzky Award	Big Lecture Hall	35
10.45 - 11.15	Coffee Break		
11.15 - 12.45	Interactive Session Thyroid Cases: Endocrine Ophthalmophaty	Big Lecture Hall	36
11.15 - 12.45	Oral Session: Cancer I	Small Lecture Hall	37
12.45 - 14.00	Lunch		
13.00 - 14.30	Thyroid Cancer Management: What is the Current State of the Art? - Sponsored by Genzyme	Big Lecture Hall	39
14.30 - 15.30	Meet-the-Expert 4	Seminar 1	40
14.30 - 15.30	Meet-the-Expert 5	Seminar 6	40
14.30 - 15.30	Poster Discussion: Cell Biology	Small Lecture Hall	41
14.30 - 15.30	Poster Discussion: Cancer II	Big Lecture Hall	43
15.30 - 15.45	Coffee Break		
15.45 - 17.45	Live Fast Die Young? Thyroid Hormone Catalysed Energy Metabolism	Big Lecture Hall	45
15.45 - 17.45	Oral Session: Cancer II	Small Lecture Hall	46
17.45 - 19.00	General Assembly	Big Lecture Hall	48
20.30 - 23.30	Gala Dinner at „Auerbachs Keller"		80

SUNDAY, SEPTEMBER 2nd, 2007

TIME	SESSION	ROOM	PAGE
08.30 - 11.00	Topic Highlights 1	Big Lecture Hall	10
11.00 - 11.30	Coffee Break		
11.30 - 13.00	Thyroid Hormone Action	Big Lecture Hall	12
11.30 - 13.00	Rewriting Thyroid Textbook Chapters: The Smallprints	Small Lecture Hall	13
13.00 - 14.00	Lunch and Poster Viewing		
14.00 - 16.00	The Role of Thyroid Hormone in Development. A View over the Hedge.	Big Lecture Hall	14
14.00 - 16.00	Molecular Basis of Thyroid Cancer: Diagnostic and Therapeutic Implications	Small Lecture Hall	15
16.00 - 16.15	Coffee Break		
16.15 - 17.15	Meet-the-Expert 1	Big Lecture Hall	16
16.15 - 17.15	Poster Discussion: Metabolism and Action	Small Lecture Hall	17
16.15 - 17.15	Poster Discussion: Autoimmunity	Seminar 1	19
17.15 - 18.45	Defining a New Future for Medullary Thyroid Cancer - sponsored by AstraZeneca	Big Lecture Hall	21
18.45 - 20.00	Poster Presentation & Party	Foyers	

WEDNESDAY, SEPTEMBER 5th, 2007

TIME	SESSION	ROOM	PAGE
08.30 - 10.30	Topic Highlights 2	Big Lecture Hall	49
10.30 - 11.00	Coffee Break		
11.00 - 12.30	New Developments in Thyroid Autoimmunity	Small Lecture Hall	51
11.00 - 12.30	Life-Long Management of Congenital Hypothyroidism - Sponsored by Merck	Big Lecture Hall	52
12.30 - 13.00	Closing Ceremony, including Poster Prizes (clinical and basic) Young investigator Prizes (clinical and basic)	Big Lecture Hall	53

MONDAY, SEPTEMBER 3rd, 2007

TIME	SESSION	ROOM	PAGE
08.30 - 10.30	Oral Session: Clinical / Autoimmunity	Big Lecture Hall	22
08.30 - 10.30	Oral Session : Thyroid Cell Biology and Hormone Metabolism	Small Lecture Hall	24
10.30 - 11.00	Coffee Break		
11.00 - 13.00	Guideline for the Diagnosis and Treatment of Thyroid Nodules	Big Lecture Hall	26
11.00 - 13.00	Molecular Genetics of Thyroid Gland Development and it's Disorders	Small Lecture Hall	27
13.00 - 14.00	Lunch and Poster Viewing		
14.00 - 14.30	ETA Merck Prize	Big Lecture Hall	28
14.30 - 15.30	Meet-the-Expert 2	Small Lecture Hall	29
14.30 - 15.30	Meet-the-Expert 3	Seminar 2	29
14.30 - 15.30	Poster Discussion: Cancer I	Seminar 1	30
14.30 - 15.30	Poster Discussion: Clinical	Seminar 6	31
15.30 - 16.00	Coffee Break		
16.00 - 23.30	Excursion "I have to praise my Leipzig ..."		79

BASIC
CLINICAL