**SCIENTIFIC PROGRAM**

Thursday, September 25th, 2008

15.00 – 18.30  
*Registration*

**HALL I**

16.30 - 17.00  
**Welcome address**  
Chairs: B Wiedenmann  
M. Alevizaki, C. Stratakis

**Recognition Awards:**  
By Drs. R. Gagel and C. Stratakis

17.00 -18.30  
**SYMPOSIUM 1: “MULTIPLE TUMORS AND THE PITUITARY”**  
Chairs: S. Zacharieva, G. Kontogeorgos

**S1.1** Epigenetics and pituitary tumorigenesis  
W. Farrell

**S1.2** The clinical spectrum of pituitary disease in multiple tumour syndromes  
A. Spada

**S1.3** The Aryl Hydrocarbon Receptor Interacting Protein (AIP) gene and endocrine tumorigenesis  
L. Aaltonen

**S1.4** Familial pituitary tumours involving the Aryl Hydrocarbon Receptor Interacting Protein (AIP1)  
A. Beckers

18.30- 19.15  
**PLENARY LECTURE I**  
Chairs: G. Chrousos, M. Batrinos

**PL1.** Mechanisms of tumorigenesis by germline oncogene mutations: The Ras paradigm  
J. Fagin

20.00 – 22.00  
*Welcome Reception*
Friday, September 26th, 2008

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<td>8.30-9.30</td>
<td>MEET-THE-EXPERT SESSION I</td>
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<td>Chair: M. Alevizaki</td>
<td>Chair: C. Tsigos</td>
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<tr>
<td>New Therapeutic Approaches for the Treatment of Medullary Thyroid Carcinoma</td>
<td>Gene Genetic Counselling in Hereditary endocrine tumors</td>
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<td>R. Gagel</td>
<td>M. L. Brandi</td>
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**HALL I**

9.30 – 11.00  SYMPOSIUM 2: “MULTIPLE TUMOR SYNDROMES AND THE THYROID”  
Chairs: S. Tseleni - Balafouta, M. Erdogan

S2.1 Medullary thyroid carcinoma: Multistep carcinogenesis in MEN2  
W. van Veelen

S2.2 Molecularly Targeted Therapies of Patients with Medullary Thyroid Carcinoma  
S. Wells

S2.3 Genotype-Phenotype correlation in hereditary medullary thyroid carcinoma  
F. Raue

S2.4 Management of MTC  
M. Schlumberger

11.00 – 11.30  Coffee Break

11.30 – 13.00  SYMPOSIUM 3: “PARATHYROID DISEASE AND MULTIPLE NEOPLASIA”  
Chairs: S. Damjanovic, P. Papapetrou

S3.1 Parafibromin – functional properties  
R. Thakker

S3.2 Parathyroid tumorigenesis  
A. Arnold

S3.3 P27 kip1 gene – a new (rare) MEN1 gene  
N. Pellegata

S3.4 Surgery for hyperparathyroidism in MEN1 Syndrome  
F. Tonelli

13.00 – 13.30  PLENARY LECTURE II  
Chair: K. Pazaitou - Panayiotou

PLII. Medical treatment of hypercalcemia  
S. Papapoulos

13.30 - 15.00  Lunch break and poster viewing
15.00-15.30  ORAL PRESENTATIONS I  
Chairs: A. Carney, B. Pasini

O01 MUTATION-SPECIFIC SIGNALING AND GENE EXPRESSION PROFILES BY ONCOGENIC RET REVEAL NOVEL POTENTIAL MECHANISMS OF DISEASE-PHENOTYPE IN MULTIPLE ENDOCRINE NEOPLASIA TYPE II SYNDROMES

O02 DEFECTS OF DNA REPAIR PATHWAY OCCURS IN MEDULLARY THYROID CARCINOMA
Ye L., Santarpia L., Cote G., El-Naggar A., Gagel R. M. D. Anderson Cancer Center University of Texas

O03 MEN 1 - NULL MOUSE EMBRYONIC STEM CELL LINES ARE DEFICIENT IN THEIR ABILITY TO DIFFERENTIATE INTO HEMTOPOIETIC LINEAGES
Chandrasekharappa S., Novotny E. NHGRI, NIH Bethesda, MD, USA

O04 DISRUPTION OF THE MULTIPLE NEOPLASIA TYPE I GENE IN PANCREATIC α-CELLS RESULTS IN GLUCAGONOMAS DEVELOPMENT
Lu J.1, Carreira C.2, Herrera P.2, Fontaniere S.1, Seigne C.2, Bertolino P.1, Zhang C.2
1. 1Genetics and Cancer Laboratory, CNRS, UMR5201 University Lyon 1, Lyon, France, 2. Genetics and Cancer Laboratory, CNRS, UMR5201 University Lyon 1, Lyon, France, 3. Department of Genetic Medicine and Development Faculty of Medicine, University of Geneva, Switzerland

15.30-16.00  NEW SYNDROMES, RARE COMBINATIONS  
Chairs: B. Pasini, P. Niccoli - Sire

Presentation of Selected Case Reports

16.00 – 17.30  SYMPOSIUM 4: “PANCREAS AND SYNDROMES”  
Chairs: B Wiedenmann, A. Archimandritis

S4.1. Hypoglycemia and insulinoma
B. Erickson

S4.2 Diagnosis and treatment of gastrinomas in MEN-1 patients
U. Plockinger

S4.3 Medical treatment of pancreatic endocrine tumors
W. De Herder

S4.4 Pancreatic tumours: Animal models
S. K. Libutti

17.30-18.00  Coffee Break
18.00 – 19.30  SYMPOSIUM 5: “ADRENAL NEOPLASMS AND GENETIC SYNDROMES”
Chairs: St. Tsagarakis

S5.1 Wnt/βcatenin Signaling in Adrenocortical Stem/Progenitor Cells: Implications for Adrenocortical Carcinoma
G. Hammer

S5.2 Carney Complex: Use of mouse models to understand the molecular basis of tumorigenesis
L.S. Kirschner

S5.3 The gonadal connection in adrenal tumorigenesis
I. Huhtaniemi

S5.4 Genetics of sporadic adrenocortical tumors
J. Bertherat

19.30 – 21.00  SYMPOSIUM 6: “GONADS AND MULTIPLE SYNDROMES”
Chairs: C. Dacou – Voutetakis, G. Tolis

S6.1 Genetics of Familial Testicular Germ Cell Tumors (TGCT) in Adults
M. Greene

S6.2 Reproductive disturbances in multiple neuroendocrine tumor syndromes
G. Tolis, A. Lytras

S6.3 Ovarian Tumors in Multiple Neoplasia Syndromes
Ch. Papageorgiou

Saturday, September 27th, 2008

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<td>Chair: C. Stratakis</td>
<td>Chair: R. Thakker</td>
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<td>A syndrome with multiple endocrine neoplasia features</td>
<td>Nuclear Receptor function in multiple endocrine neoplasia Type 1 (MEN 1)</td>
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<td>A. Carney</td>
<td>K. Dreijerink</td>
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**HALL I**

9.00 – 10.30

**SYMPOSIUM 7: “PHEOCHROMOCYTOMAS, PARAGANGLIOMAS AND RELATED SYNDROMES”**

Chairs: B. Jarzab, G. Kaltsas

S7.1 SDH mutations in tumorigenesis and inherited Endocrine Tumours

B. Pasini

S7.2 Inherited paragangliomas, gastrointestinal tumors and related syndromes

C. Stratakis

S7.3 Familial pheochromocytomas

HP. Neumann

S7.4 Clinical diagnosis of pheochromocytomas

K. Pacak

10.30 – 11.00

**Coffee Break**

11.00 – 12.15

**ORAL PRESENTATIONS II**

Chairs: M.L. Brandi, A. Tsatsoulis

O05 LARGE GENOMIC DELETIONS OF ARYL HYDROCARBON RECEPTOR INTERACTING PROTEIN (AIP) GENE CAUSE PITUITARY ADENOMA PREDISPOSITION

Georgitsi M.1, Heliovaara E.1, Paschke R.2, Kumar A.3, Tischkowitz M.4, Vierimaa O.5, Sane T.6, De Menis E.7, Cannavo S.8, Gundogdu S.9, Lucassen A.10, Izatt L.11, Aylwin S.12, Bano G.13, Hodgson S.14, Koch C.15, Karhu A.1, Aaltonen L.16

1. Department of Medical Genetics University of Helsinki, Finland, 2. Medical Department III Leipzig University, Germany, 3. Clinical Genetics Great Ormond Street NHS Trust, London, UK, 4. Departments of Human Genetics, Oncology and Medicine McGill University, Montreal, Canada, 5. Department of clinical Genetics Oulu University Hospital, Finland, 6. Department of Endocrinology Helsinki University Central Hospital, Finland, 7. Department of Internal Medicine General Hospital, Montebelluna, Italy, 8. Department of Medicine and Pharmacology, Section of Endocrinology University of Messina, Italy, 9. Division of Endocrinology-Metabolism and Diabetes Cerrahpasa Medical Faculty, University of Istanbul, Turkey, 10. Wessex Clinical Genetics Service Princess Anne Hospital, Southampton, UK, 11. Department of Clinical Genetics Guy's Hospital, London, UK, 12. Department of Medicine King's College Hospital, London, UK, 13. Department of Endocrinology and Diabetes London, UK, 14. Department of Clinical Genetics St. Georges, University of London, London, UK, 15. Division of Endocrinology University of Mississippi Medical Center, Jackson, USA, 16. Professor of Tumor Genomics, Department of Medical Genetics Biomedicum Helsinki, University of Helsinki

O06 ADDITIONAL CANDIDATE GENES FOR GERMLINE MUTATION IN MEN1-LIKE STATES

Agarwal S.1, Ozawa A.1, Mateo C.1, Bale A.1, Marx S.1

1. Metabolic Diseases Branch National Ins of Diabetes & Digestive & Kidney Diseases, NIH, Bethesda, 2. Department of Genetics Yale School of Medicine, New Haven, CT (USA)

O07 PREVALENCE OF SDHS AND VHL GENES REARRANGEMENTS IN A LARGE COHORT OF FRENCH PATIENTS WITH PHEOCHROMOCYTOMA OR PARAGANGLIOMA

Bournichon N.1, Venisse A.1, Frebourg T.2, Plouin P.3, Jeunemaitre X.1, Gimenez - Roqueplo A.1


O08 THE CLINICAL AND GENETIC CHARACTERISTICS OF PATIENTS WITH FAMILIAL ISOLATED PITUITARY ADENOMA


O09 AIP - A TUMOUR SUPPRESSOR GENE IN FAMILIAL PITUITARY TUMOURS, AFFECTS THE CELL CYCLE PROTEINS AND THE CASPASE CASCADE
Leontiou C., Hollington S., Chapple J., Grossman A., Korbonits M.
Endocrinology, Barts and the London Medical School, London, United Kingdom

O10 IDENTIFICATION AND FUNCTIONAL CHARACTERIZATION OF MISSENSE MUTATIONS ASSOCIATED WITH MEN1 THAT ARE TARGETED TO THE UBIQUITIN-PROTEASOME PATHWAY
Canaff L., Zhou X., Vanbellinghen J., Vautour L., Hendy G.
Department of Medicine and Calcium Research Laboratory McGill University, Montreal, QC, Canada

O11 CHARACTERIZATION OF 20 VHL GENE MUTATIONS IN 25 SPANISH FAMILIES AND THEIR CORRELATION WITH THE PHENOTYPE
Oriola J.1, Blanco I.2, Salinas I.2, Goday A.4, Chillaron J.4, Rosell J.5, Pedrinaci S.6
1. Servei de Bioquemica i Genetica Molecular Hospital Clinic, 2. Unitat Consell Genetic Institut Catala d'Oncologia, 3. Servei d'Endocrinologia Hospital Universitari Trias i Pujol, 4. Servei d'Endocri Hospital del Mar, 5. Servei de Genetica Hospital Son Dureta (Palma de Mallorca), 6. Servicio Analisis Clinicos Hospital Virgen de las Nieves (Granada). Spain

O12 MENIN AND IQGAP1 COOPERATE TO REGULATE ADHESION OF B CELLS
Hua X.1, Yan J.2, Yang Y.2, Zhang H.2, King C.5, Kan H.5, Cai Y.7, Yuan C.5, Bloom G.9
1. Associate Professor,Dept of Cancer Biology Associate Investigator,Abramson Family Cancer Research Institute 2. Department of Cancer Biology Abramson Family Cancer Research Institute, 3. Department of Biology University of Virginia, 4. Proteomic Facility University of Pennsylvania School of Medicine, 5. Department of Biology and Cell Biology University of Virginia

12.15 -13.00  PLENARY SESSION
Menin: mechanisms of action
S. Marx

13.00 – 14.30  Lunch Break and poster viewing

14.30 – 16.00  SYMPOSIUM 8: “SURGICAL THERAPIES”
Chairs: G. Jackson, S. Marx

S8.1 Preclinical treatment in MEN1
B. Skogseid

S8.2 Optimizing time and extent of prophylactic surgery in hereditary MTC
H. Dralle

S8.3 Laparoscopic Surgery of the Tumors of the Adrenals in MEN 2 Syndromes
D. Linos

S8.4 Minimally Invasive Surgery in Neuroendocrine Tumors of the Pancreas
B. Niederle

16.15 - 16.15  CLOSING REMARKS OF THE 11TH INTERNATIONAL WORKSHOP ON MULTIPLE ENDOCRINE NEOPLASIA

16:15 – 17:00  Coffee Break
17.00 – 20.00 SATELLITE MEETING
7th Highlights in Basic & Clinical Neuroendocrinology 2008
Organized by the Neuroendocrine Section of the Hellenic Endocrine Society

17.00 – 18.30 SYMPOSIUM 1: UPDATE PITUITARY DISEASE
Chairs: G. Piaditis, M. Tzanela

Problems in the measurements of GH status
G. Wieringa

Dopamine analogue treatment for prolactinomas: how much, for how long?
D. Ferone

Radiation treatment for pituitary adenomas: effectiveness and side effects
F. Castinetti

18.30 – 19.00 Coffee Break

19:00 – 20:00 SYMPOSIUM 2: A NOVEL APPROACH FOR THE MANAGEMENT OF GEP NET PATIENTS
Chairs: M. Alevizaki M., St. Tsagarakis

mTOR mechanisms of action in Net-GEP Tumours
B. Wiedenmann

The role of continuous mTOR inhibition in the NET
Clinical Update
G. Kaltsas

21.00 Farewell Dinner
Poster Presentations

P01 HEADACHE AS THE PRESENTING SYMPTOM OF A NEUROENDOCRINE PANCREATIC TUMOR
Tsoukalas N. 1, Barbati K. 2, Demiri S. 1, Kontogeorgos G. 3, Barbounis V. 1, Efremidis A. 1
1. 2nd Dpt Clinical Oncology "Saint Savvas" Anticancer Hospital, Athens, Greece, 2. Dpt Pathology "Korgialenio-Benakio" General Hospital, Athens, Greece, 3. Dpt Pathology "G. Gennimatas" General Hospital, Athens, Greece

P02 NEOPLASMATIC PERICARDITIS AS THE FIRST MANIFESTATION OF A PAPILLARY CARCINOMA OF THE THYROID GLAND
Tsoukalas N. 1, Barbati K. 2, Dascalopoulou D. 3, Barbounis V. 1, Efremidis A. 1
1. 2nd Dpt Clinical Oncology "Saint Savvas" Anticancer Hospital, Athens, Greece, 2. Dpt Pathology "Korgialenio-Benakio" General Hospital, Athens, Greece, 3. Dpt Pathology "Saint Savvas" Anticancer Hospital, Athens, Greece

P03 A ROLE FOR GDNF-INDUCED EXPRESSION BY INFLAMMATORY CYTOKINES AND RET/GFR 1 RECEPTOR UP-REGULATION IN BREAST CANCER
Plaza-Menacho I. 1, Esseghir S. 2, Poulsom R. 3, Reis-Filho J. 4, Isacke C. 5
1. Dpt of Genetics, University Medical Center Groningen Breakthrough Breast Cancer Research Centre, Inst Cancer Research, UK, 2. Department of Clinical and Preventive Medicine University Milano-Bicocca, Milan, Italy, 3. Secton of Molecular and Cellular Medicine Imperial College, London, UK, 4. Department of Endocrinology University Medical Center Groningen University of Groningen, The Netherlands, 5. Dpt of Genetics University Medical Center Groningen, University of Groningen, 6. Section of Structural Biology Institute of Cancer Research, London, UK

P04 SORAFENIB FUNCTIONS TO POTENTLY SUPPRESS RET TYROSINE KINASE ACTIVITY BY DIRECT ENZYMATIC INHIBITION AND PROMOTING RET LYSOSOMAL DEGRADATION INDEPENDENT OF PROTEASOMAL TARGETING
Plaza-Menacho I. 1, Mologni L. 2, Sala E. 2, Gambacorti-Passerini C. 2, Magee A. 3, Links T. 4, Hofstra R. 5, Barford D. 6, Isacke C. 7
1. Dpt of Genetics, University Medical Center Groningen Breakthrough Breast Cancer Research Centre, Inst Cancer Research, UK, 2. Department of Clinical and Preventive Medicine University Milano-Bicocca, Milan, Italy, 3. Secton of Molecular and Cellular Medicine Imperial College, London, UK, 4. Department of Endocrinology University Medical Center Groningen University of Groningen, The Netherlands, 5. Dpt of Genetics University Medical Center Groningen, University of Groningen, 6. Section of Structural Biology Institute of Cancer Research, London, UK

P05 PRE-TREATMENT PLASMA HORMONAL AND 7B2 LEVELS IN PATIENTS WITH DIFFERENT TYPES OF PITUITARY ADENOMAS
Venetikou M. 1, Adams E. 2, Buchfelder M. 3, Ghatei M. 4, Burrin J. 5, Bloom S. 6
1. Department of Essential Medical Lessons Faculty of Health and Caring Technological Educational Institute (TEI) Athens, 2. Department of Life Sciences Aston University, Birmingham, UK, 3. Department of Neurosurgery Erlangen, Nurnberg, Germany, 4. Department of Investigative Medicine Imperial College, Hammersmith Hospital, London, UK, 5. Department of Endocrinology, St Bartolomew's The Royal School of Medicine and Dentistry, London, UK, 6. Department of Investigative Medicine, Imperial College Hammersmith Hospital, London, UK

P06 7B2 PLASMA LEVELS IN PATIENTS WITH CONGESTIVE CARDIAC FAILURE
Venetikou M. 1, Meleagros L. 2, Ghatei M. 3, Bloom S. 4
1. Department of Essential Medical Lessons Faculty of Health and Caring Technological Educational Institute (TEI) Athens, 2. Department of Surgery North Middlesex University Hospital, Edmonton, London, UK, 3. Department of Investigative Medicine Imperial College, Hammersmith Hospital, London, UK, 4. Department of Investigative Medicine, Imperial College Hammersmith Hospital, London, UK

P07 BILATERAL LAPAROSCOPIC ADRENALECTOMY WITH LEFT ADRENAL SPARING IN MEN IIA. CASE REPORT AND VIDEO PRESENTATION
Zografos G. 1, Vassiliadis G. 1, Aggeli C. 1, Georgiadou D. 1, Avlonitis S. 1, Kontogeorgos G. 2, Kaltsas G. 3, Papastratis G. 1
1. Third Department of Surgery Athens General Hospital, Greece, 2. Dpt Pathology "G. Gennimatas" General Hospital, Athens, Greece, 3. Department of Internal Medicine Athens University, Greece

P08 LAPAROSCOPIC RESECTION OF PHEOCHROMOCYTOMAS
Zografos G. 1, Georgiadou D. 1, Vassiliadis G. 1, Avlonitis S. 1, Katopodi A. 1, Diakatou E. 2, Piaditis G. 3, Papastratis G. 1
1. Third Department of Surgery Athens General Hospital, Greece, 2. Department of Pathology General Hospital, Athens, 3. Department of Endocrinology Athens General Hospital, Greece
P09 PREVALENCE AND FEATURES OF MEN1 IN A LARGE COURT OF GASTRO-ENTEROPANCERATIC AND THORACIC NET: DATA FROM A LARGE MULTICENTRIC ITALIAN DATABASE (NET MANAGEMENT STUDY)
NET MANAGEMENT GROUP

P10 CONTEMPORARY SURGICAL MANAGEMENT OF INSULINOMAS IN MULTIPLE ENDOCRINE NEOPLASIA TYPE 1
Giudici F., Fratini G., Nesi G., Brandi M.1, Tonelli F.2
1. Center for Hereditary Endocrine Tumors - DeGene Spin-off University of Florence, Medical School of Florence, Florence, Italy, 2. Department of Clinical Pathophysiology University of Florence, Medical School of Florence, Florence, Italy

P11 HYPERPARATHYROIDISM-JAW TUMOR SYNDROME (HPT-JT) IN A 30-YEAR-OLD WOMAN WITH A NEW MUTATION IN THE HRPT2-GENE
Haag C.1, Pauli S.2, Schulze E.3, Frank - Raue K.3, Raue F.3
1. Endocrine Practice, Heidelberg, Germany, 2. Department of Human Genetics University of Gottingen Germany, 3. Endocrine Practice Molecular Laboratory, Heidelberg, Germany

P12 IMPAIRED TRANSFORMING GROWTH FACTOR-BETA TRANSCRIPTIONAL ACTIVITY OF A MENIN IN-FRAME DELETION MUTANT ASSOCIATED WITH MEN1
Canaff L., Zhou X., Vanbellinghen J., Goltzman D., Hendy G.
Department of Medicine and Calcium Research Laboratory McGill University, Montreal, QC, Canada

P13 TUMOR SURVEILLANCE ATTITUDES AND BEHAVIORS IN PATIENTS WITH MULTIPLE ENDOCRINE NEOPLASIA (MEN) TYPES 1 AND 2
M. D. Anderson Cancer Center University of Texas

P14 TUMOR-SPECIFIC EXPRESSION OF POLYPYRIMIDINE TRACT BINDING PROTEIN IN THYROID CANCER
M. D. Anderson Cancer Center University of Texas

P15 COMPARISON OF GERMLINE RET MUTATIONS BETWEEN CARRIERS RECRUITED BY THE PRESENCE OF MEDULLARY THYROID CANCER OR BY PHEOCHROMOCYTOMA/ PARAGANGLIOMA
Jarzab B.1, Wygoda Z.2, Pawlaczek A.1, Rubala E.1, Szpak-Ulczok S.1, Hasse-Lazar K.1, Krawczyk A.1, Chmielik E.3, Lange D.3, Peczkowska M.4, Prejblisz A.4, Januszewicz A.4
1. Department of Nuclear Medicine and Endocrine Oncology Memorial Cancer Center and Institute of Oncology, Gliwice Branch, 2. Department of Nuclear Medicine and Endocrine Oncology Memorial Cancer Center and Institute of Oncology, Gliwice Branch, 3. Department of Pathology Memorial Cancer Center and Institute of Oncology, Gliwice Branch, 4. Department of Hypertension Institute of Cardiology, Warsaw

P16 HIGH RESOLUTION ARRAY-CGH PROFILING REVEALS NEW DNA COPY ALTERATIONS ASSOCIATED WITH MEDULLARY THYROID CANCER
Santarpia L., Ye L., Cote G., El-Naggar A., Gagel R.
M. D. Anderson Cancer Center University of Texas

P17 MEDULLARY THYROID CARCINOMA (MTC): THE RET GENE VARIANTS ARE POLYMORPHISMS OR LOW PENETRANCE MUTATIONS?
Solano A.1, Belli S.2, Delettieres D.1, Neuman I.1, Podesta E.1
1. Departamento de Bioquimica Humana Facultad de Medicina (Universidad de Buenos Aires), 2. Departamento de Endocrinologia Hospital Dr. Durand, Buenos Aires

P18 MEN1 AEGEAN: A LARGE GREEK KINDRED WITH MULTIPLE ENDOCRINE NEOPLASIA TYPE 1
Christopoulos C.1, Theodoropoulou I.1, Papavasilieou D.1, Dimakopoulou V.1, Rotas E.1, Papadakis M.1, Christopoulos G.1, Kastrinakis N.1, Calender A.2, Economopoulos P.1
1. The Greek MEN1 Study Group (www.klinik.gr/men1), 2. Department of Genetics Edouard Herriot Hospital, Lyon, France

P19 GASTRIC CARCINOIDS AND HYPERPARATHYROIDISM: AN ELUSIVE ASSOCIATION
Christopoulos C.1, Balatsos V.1, Rotas E.1, Karoumpalis I.1, Dupasquier S.2, Kontogeorgos G.1, Calender A.3, Skandalis N.1, Economopoulos P.1

- 9 -
P20 MEN2 and Sporadic Medullary Thyroid Carcinoma RET germline mutational spectrum in the Central Region of Portugal: haplotype studies of a recurrent Cys611Tyr mutation and in vitro oncogenicity of novel RET variants (Glu511Lys, Ser649Leu and Arg886Trp)

Prazeres H.1, Rodrigues F.2, Figueiredo P.3, Naidenov P.2, Lacerda M.3, Martins T.1, Soares P.4
1. Laboratory of Molecular Pathology Portuguese Institute of Oncology of Coimbra, 2. Endocrinology Service Portuguese Institute of Oncology of Coimbra, 3. Histopathology Service Portuguese Institute of Oncology of Coimbra, 4. Institute of Molecular Pathology and Immunology University of Porto (IPATIMUP)

P21 A NOVEL GERMLINE MUTATION IN EXON 5 OF RET GENE (V292M) IN A PATIENT WITH MEDULLARY THYROID CARCINOMA AND PHEOCHROMOCYTOMA

Verrienti A.1, Castellone M.2, Durante C.3, Fabbro D.4, Magendhra Rao D.2, Damante G.4, Russo D.5, Santoro M.2, Filetti S.3

P22 ORIGIN AND SPREAD OF "EPIDEMIC PARAGANGLIOMA" IN TRENTO

Schiavi F.1, Dematte S.2, Portolan F.2, Cecchini M.2, Del Piano A.2, Barollo S.3, Vianello B.3, Pignataro V.4, Boaretto F.4, Colombo R.5, Opocher G.1
1. Cancer Family Clinic, Veneto Institute of Oncology, Padova, 2. Internal Medicine, S.Chiara Hospital, Trento, 3. Endocrinology, University of Padova, Padova, 4. Biology, University of Padova, Padova, 5. Human Molecular Biology and Genetics Catholic University of the Sacred Heart, Milano

P23 PREVALENCE OF DIFFERENT RET MUTATIONS IN AN ITALIAN MEN 2 SERIES: A MULTICENTRIC STUDY

1. Dept. of Endocrinology, University of Pisa, Pisa, 2. Dept of Medical Sciences M. Aresu, University of Cagliari, Cagliari, 3. Dept. of Medical Sciences, University of Milan, Milan, 4. Dept. of Endocrinology, Polytechnic University of the Marche, Ancona, 5. Dept of Internal Medicine, Endocrinology & Metabolism and Biochemist University of Siena, Siena, 6. Endocrinology Unit Dept of Medical and Surgical Sciences, University of Padua, Italy, 7. Dept of Medical and Surgical Sciences, Internal Medicine Endocrinology Unit, University of Brescia, Brescia, 8. Dept of Biomedical Sciences and Advanced Therapies University of Ferrara, 9. Molecular Gentic Lab, Gaslini Institute, Genoa, 10. Dept of Endocrinology and Metabolic Diseases Ospedale Maggiore, Bologna, Bologna, 11. Istituto Nazionale dei Tumori, Milan, 12. Dept of Clinical and Biological Sciences University of Turin, Orbassano, 13. Dept of Internal Medicine and Endocrine Sciences University of Perugia, Perugia, 14. Dept of Molecular and Clinical Endocrinology and Oncology "Federico II" University of Naples, Naples, 15. Department of Internal Medicine, University of Perugia, 16. Dept of Biomedical Sciences and Advanced Therapies University of Ferrara, Ferrara

P24 SPORADIC PRIMARY HYPERPARATHYROIDISM: GENETIC ALTERATIONS BEHIND THIS PATHOLOGY AND CDKN1B GENE SCREENING

Alvelos M.1, Barbosa E.2, Texeira Gomes M.2, Soares P.3
1. Institute of Molecular Pathology and Immunology Faculty of Science, University of Porto, Portugal, 2. Biomedical Institute Abel Salazar University of Porto, Portugal, 3. Department of Pathology, Medical Faculty University of Porto, Portugal

P25 MALIGNANT PHEOCHROMOCYTOMA (MP): A RETROSPECTIVE STUDY OF 16 PATIENTS

Szalat A.1, Dubiner V.2, Gross D.1
1. Endocrinology and Metabolism Service, Department of Medicine Hadassah-Hebrew University Medical Center, Jerusalem, Israel, 2. Department of Pathology Hadassah-Hebrew University Medical Center, Jerusalem, Israel

P26 NEW MUTATIONS IN THE RET PROTOONCOGENE ASSOCIATED WITH MEDULLARY THYROID CARCINOMA

Rondot S.1, Lorenz A.1, Schulze E.2, Dralle H.2, Dohring J.3, Raue F.4, Frank - Raue K.1
1. Endocrine Practice Molecular Laboratory, Heidelberg, Germany, 2. Department of General, Visceral, and Vascular Surgery Martin-Luther-University of Halle-Wittenberg Halle/Saale, Germany, 3. Practice for Radiology, Neuroradiology and Nuclear Medicine Braunschweig, Germany
P27 DIFFERENTIAL GLOBAL GENE EXPRESSION IN PANCREATIC ISLETS FROM YOUNG HETEROZYGOUS Men1 MICE AND WILDTYPE LITTERMATES
Halin Lejonklou M.1, Stalberg P.2, Skogseid B.1
1. Department of Medical Sciences Uppsala University, Uppsala, Sweden, 2. Department of Surgical Sciences Uppsala University, Uppsala, Sweden

P28 THYROID GLAND ABNORMALITIES IN PATIENTS WITH THE SYNDROME OF SPOTTY SKIN PIGMENTATION, MYXOMAS, ENDOCRINE OVERACTIVITY, AND SCHWANNOMAS (CARNEY COMPLEX)
Courcoutsakis N.1, Daskalogiannakis G.2, Prassopoulos P.2, Stratakis C.3
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P29 PRIMARY PIGMENTED NODULAR ADRENOCORTICAL DISEASE (PPNAD): CT FINDINGS WITH PATHOLOGIC CORRELATION IN PATIENTS WITH CARNEY COMPLEX
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P32 PRIMARY HYPERPARATHYROIDISM (HPT) AND NON-MEDULLARY THYROID CARCINOMA (NMTC): PRESENTATION AND MANAGEMENT OF 14 NEW CASES
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P33 MEN2 LESSONS FROM HIPPOCRATES FOR 21st CENTURY PHYSICIANS
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P34 USE OF THE SECRETIN TEST IN THE EARLY IDENTIFICATION OF MEN1-ASSOCIATED GASTRINOMAS: EXPERIENCE OF THE CENTER FOR HEREDITARY ENDOCRINE TUMORS OF FLORENCE, ITALY
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P36 MEN1 GENE MUTATIONAL AND GENOTYPE-PHENOTYPE CORRELATION ANALYSES IN AN ITALIAN MEN1 SERIES PERFORMED AT THE CENTER FOR HEREDITARY ENDOCRINE TUMORS OF FLORENCE, ITALY
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P37 A CASE REPORT OF A DOUBLE GERMLINE MUTANT AT MEN1 AND BRCA1 GENES
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P38 A POSSIBLE ROLE FOR MICRORNAS GENES IN MEN1 PARATHYROID ADENOMAS
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P39 FRACTIONS FROM TRAILLIAEDOXA GRACILIS (WW SMITH & FOREST) INHIBIT TUMOR CELL GROWTH AND INDUCE APOPTOSIS IN MEDULLARY THYROID CARCINOMA CELLS
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P40 INDUCTION OF APOPTOSIS IN SMALL BOWEL CARCINOID CELLS BY NOVEL BIOACTIVE AGENTS DERIVED FROM TRAILLIAEDOXA GRACILIS (WW SMITH & FORREST)
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P41 MEN2A DUE TO C609S: A LARGE FAMILY DESCRIPTION
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P42 A KINDRED WITH a RET CODON Y791F MUTATION PRESENTING WITH HIRSCHSPRUNG'S DISEASE
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P43 MULTIPLE ENDOCRINE NEOPLASIA TYPE 1 (MEN1): ITS MANIFESTATIONS AND EFFECT OF GENETIC SCREENING ON CLINICAL OUTCOME
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P44 SURGICAL TREATMENT OF PANCREATIC ENDOCRINE TUMORS IN PATIENTS WITH MULTIPLE ENDOCRINE NEOPLASIA TYPE 1 SYNDROME. A SYSTEMATIC REVIEW
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P54 LARGE KINDRED WITH MULTIPLE ENDOCRINE NEOPLASIA TYPE 1 (MEN1): FOUNDER EFFECT, TUMOR PREVALENCE, AND BONE MINERAL DENSITY PROFILES.
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P55 SYNCHRONOUS DOUBLE PITUITARY ADENOMA SECRETING PROLACTIN, LH, AND ALPHA SUBUNIT GLYCOPROTEIN: A NEW MULTIPLE ENDOCRINE NEOPLASIA TYPE 1 (MEN1) PHENOTYPE.
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P56 BONE MINERAL DENSITY STUDY BEFORE AND AFTER PARATHYROIDECTOMY IN PRIMARY HYPERPARATHYROIDISM ASSOCIATED WITH MULTIPLE ENDOCRINE NEOPLASIA TYPE 1 (HPT/MEN1).
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P57 AIP AND P27/KIP1 GENE VARIANTS ARE NOT ASSOCIATED WITH PITUITARY ADENOMA PHENOTYPES IN A LARGE MEN1 FAMILY
Longuini V., Toledo R., Lourenco Jr D., Coutinho F., Quedas E., Arantes J., Buscarilli M., Mambelli N., Camargo M., Fragoso M., Dahia P., Toledo S.
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P58 GENETIC SCREENING FOR MEN 2A IN ROMANIA: DIAGNOSIS OF A FAMILY WITH A CYS634PHE MUTATION OF THE RET GENE
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P59 THE RARE G533C MUTATION OF RET GENE IS FOUND IN 15 UNRELATED GREEK FAMILIES EXPLAINING THE "RET-NEGATIVE” FMTC/MEN2A PATIENTS
Kamakari S.1, Alevizaki M.2, Bei T.1, Peppa M.2, Anapliotou M.2, Tzanella M.5, Kafiri G.6, Papadodima E.7, Malaktari S.9, Tsagarakis S.9, Kaldrymidis P.10, Rampias T.1, Koutroudontis G.1, Metaxa-Mariatou B.1, Giatzakis C.1, Konstantopoulou I.1, Yannoukakos D.11
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P60 HIGH PREVALENCE OF UNRECOGNIZED FAMILIAL CASES PRESENTING AS "SPORADIC” MTCS THAT CARRY THE "RARE” G533C MUTATION IN EXON 8 OF THE RET GENE IN GREECE
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P61 CLINICAL DATA, MANAGEMENT AND OUTCOME OF A SERIES OF PANCREATIC-DUODENAL ENDOCRINE TUMOURS (PETS) IN MEN1: THE VERONA EXPERIENCE.
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P62 IDENTIFICATION OF TWO NOVEL MUTATIONS IN THE RET PROTO-ONCOGENE IN THE SAME FAMILY
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P63 CLINICOPATHOLOGIC CHARACTERISTICS IN FAMILIAL NONMEDULLARY THYROID CARCINOMA
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P64 AMINOPEPTIDASE AND ENDOPEPTIDASE ACTIVITY SCREENING UPON MEDULLARY THYROID CARCINOMA
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P65 MEN1-MUTATION NEGATIVE MEN1-SYNDROME PATIENTS DO NOT SHOW GERMLINE MUTATIONS IN P27 (CYCLIN-DEPENDENT KINASE INHIBITOR 1B) OR AIP (ARYL HYDROCARBON RECEPTOR-INTERACTING PROTEIN)
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P66 MEN1 MISSENSE MUTATIONS IMPAIR SENSITIZATION TO APOPTOSIS INDUCED BY WILD TYPE MENIN IN ENDOCRINE PANCREATIC TUMOR CELLS
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P67 EFFECT OF TREATMENT WITH DEPOT SOMATOSTATIN ANALOGUE OCTREOTIDE ON PRIMARY HYPERPARATHYROIDISM IN MEN1 PATIENTS
Faggiano A.1, Brandao Tavares L.1, Tauchmanova L.1, Milone F.1, Mansueto G.2, Ramundo V.1, Del Basso De Caro M.2, Lombardi G.1, De Rosa G.2, Colao A.1
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P68 NO EVIDENCE OF AIP MUTATION IN A KINDRED WITH ISOLATED FAMILIAL CORTICOTROPINA
Toledo R.1, Buscarilli M.1, Longuini V.1, Arantes J.1, Quedas E.1, Lourenco-Jr D.1, Liberman B.2, Toledo S.1, Fragos M.3
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P69 THE ROLE OF AIP GENE IN BRAZILIAN PATIENTS WITH SPORADIC AND FAMILIAL ACROMEGALY
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P70 GERMLINE Mutation, LOSS-OF-HETEROZIGOSITY and LOW IMMUNOHISTOCHEMICAL DETECTION of AIP, WHICH ATTENUATES ACTIVITY OF the cAMP-SPECIFIC PDE4A5, IN ADRENOCORTICAL CARCINOMA
Toledo R., Mendonca B., Fragos M., Longuini V., Lourencos Jr D., Soares C., Soares I., Jallad R., Bronstein M., Toledo S.
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P71 MULTIPLE ENDOCRINE NEOPLASIA TYPE 2A IN TWO FAMILIES WITH THE FAMILIAL MEDULLARY THYROID CARCINOMA-ASSOCIATED G533C MUTATION OF THE RET PROTO-ONCOGENE
Peppa M.1, Pikouinis V.1, Kamakari S.2, Peros G.3, Economopoulos T.1, Hadjidakis D.1, Raptis S.1
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P72 DETERMINATION OF A NEW REFERENCE RANGE FOR HUMAN CALCITONIN AFTER INTRAVENOUS STIMULATION WITH PENTAGASTRIN VERSUS CALCIUM
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P73 INTRATUMORAL CRH MODULATES IMMUNO-ESCAPE OF OVARIAN CANCER CELLS THROUGH FASL REGULATION.
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