



# European Thyroid Association 38th Annual Meeting

Santiago de Compostela, SPAIN | 6-10 September 2014

## Poster Sessions Monday

---

### ***P013 GRAVES' ORBITOPATHY & AUTOIMMUNITY / E-POSTER TERMINAL 1***

*Chair: Marie-Christine Many, Belgium*

#### **P122**

#### **SERUM LEVELS OF THE IMMUNE REGULATORY MOLECULE GALECTIN-9 ARE INCREASED IN PATIENTS WITH GRAVES' DISEASE HYPERTHYROIDISM**

Ana Serrano<sup>1</sup>, Ana Maria Ramos Levi<sup>1</sup>, Miguel A Sampedro-Núñez<sup>1</sup>, Ivan Sánchez<sup>1</sup>, Alicia Vicuña<sup>1</sup>, Ana Rodriguez-Muñoz<sup>1</sup>, Rebeca Martinez<sup>1</sup>, Hortensia de la Fuente<sup>1</sup>, Roberto Gonzalez-Amaro<sup>2</sup>, Monica Marazuela<sup>1</sup>

<sup>1</sup>Hospital Universitario Princesa. Instituto de Investigación Princesa

<sup>2</sup>Universidad San Luis Potosi

#### **P123**

#### **HASHIMOTO'S THYROIDITIS ASSOCIATED WITH TYPE 1 DIABETES PRESENTS WITH GENDER SPECIFIC CHARACTERISTICS AND MAY DEVELOP BEFORE, WITH OR AFTER THE ONSET OF HYPERGLYCEMIA**

Adele Latina<sup>1</sup>, Giulia Pezzino<sup>1</sup>, Maria Luisa Arpi<sup>1</sup>, Laura Sciacca<sup>1</sup>, Sebastiano Squatrito<sup>1</sup>, Damiano Gullo<sup>1</sup>

<sup>1</sup>Endocrine Unit, Garibaldi-Nesima Hospital, University of Catania Medical School

#### **P124**

#### **INTERNAL OPHTHALMOPLEGIA ASSOCIATED WITH GRAVES' HYPERTHYROIDISM**

Ken Okamura<sup>1</sup>, Hiroko Ibayashi<sup>2</sup>, Kaori Sato<sup>1</sup>, Megumi Fujikawa<sup>1</sup>, Sachiko Bandai<sup>1</sup>, Hiroshi Shibasaki<sup>3</sup>, Takanari Kitazono<sup>1</sup>

<sup>1</sup>Dept of Medicine and Clinical Science; Graduate School of Medicine; Kyushu University

<sup>2</sup>Ibayashi Clinic

<sup>3</sup>Dept Neurology; Kyoto University Graduate School of Medicine

#### **P125**

#### **THYROGLOBULIN AUTOANTIBODIES SWITCH TO IGG1 AND IGG3 SUBCLASSES AFTER 131I TREATMENT FOR GRAVES' HYPERTHYROIDISM: AUTOANTIBODIES SUBCLASSES ARE RELATED TO THE ACTIVITY OF AUTOIMMUNE THYROID DISEASE**

Debora Ricci<sup>1</sup>, Michele Marinò<sup>1</sup>, Lucia Montanelli<sup>1</sup>, Paolo Piaggi<sup>1</sup>, Barbara Mazzi<sup>1</sup>, Francesca Bianchi<sup>1</sup>, Federica Brozzi<sup>1</sup>, Pierina Santini<sup>1</sup>, Emilio Fiore<sup>1</sup>, Massimo Tonacchera<sup>1</sup>, Paolo Vitti<sup>1</sup>, Francesco Latrofa<sup>1</sup>

<sup>1</sup>Endocrinology Unit, University Hospital, University of Pisa

#### **P126**

#### **POSSIBLE ROLE OF PHYSIOLOGICAL AND PATHOLOGICAL THYROTROPIN RECEPTOR (TSHR) ACTIVATION IN SKIN AND ITS DISEASES.**

Fiona Grennan-Jones<sup>1</sup>, Ibtisam Elmansori<sup>2</sup>, Mohd Shazli Draman<sup>1</sup>, Lei Zhang<sup>1</sup>, Fiona Ruge<sup>3</sup>, Tammy Easter<sup>2</sup>, Aled Rees<sup>1</sup>, Aziz Elgadi<sup>4</sup>, Claude Marcus<sup>4</sup>, Marian Ludgate<sup>1</sup>, Rebecca Porter<sup>2</sup>

<sup>1</sup>*Institute of Molecular & Experimental Medicine; School of Medicine; Cardiff University*

<sup>2</sup>*Department of Dermatology & Wound Healing; School of Medicine; Cardiff University*

<sup>3</sup>*Cardiff-Peking Cancer Institute; School of Medicine; Cardiff University*

<sup>4</sup>*Department of Clinical Science, Intervention & Technology; Karolinska Institutet; Karolinska University Hospital Huddinge*

## **P127**

### **INACTIVATION OF ACTIVE MODERATE-SEVERE GRAVES' ORBITOPATHY (GO) AFTER SMOKING CESSATION: A CASE REPORT**

Danila Covelli<sup>1</sup>, Guia Vannucchi<sup>2</sup>, Irene Campi<sup>2</sup>, Nicola Currò<sup>3</sup>, Mario Salvi<sup>2</sup>

<sup>1</sup>*Graves' Orbitopathy Unit, Endocrinology, Fondazione Ca' Granda Irccs, University of Milan, Italy*

<sup>2</sup>*Graves' Orbitopathy Unit, Endocrinology, Fondazione Ca' Granda Irccs, University of Milan, Italy*

<sup>3</sup>*Ophthalmology, Fondazione Ca' Granda Irccs, University of Milan, Italy*

## **P128**

### **DEMOGRAPHIC CHARACTERISTICS OF THE PATIENTS WITH GRAVES' ORBITOPATHY IN SERBIA**

Mirjana Stojkovic<sup>1</sup>, Biljana Beleslin<sup>2</sup>, Mihailo Dragicevic<sup>1</sup>, Slavica Savic<sup>1</sup>, Tijana Lalic<sup>1</sup>, Milos Zarkovic<sup>2</sup>, Jasmina Ciric<sup>2</sup>

<sup>1</sup>*Clinic of Endocrinology, Diabetes and Metabolic Diseases, Clinical Center of Serbia*

<sup>2</sup>*Clinic of Endocrinology, Diabetes and Metabolic Diseases, Clinical Center of Serbia; Medical School University of Belgrade*

## **P129**

### **COMPARISON OF HOLTER ANALYSIS DATA BETWEEN HYPERTHYROID PATIENTS WITH GRAVES' DISEASE VS. TOXIC NODULAR GOITER**

Elif Turan<sup>1</sup>, Ilknur Can<sup>2</sup>, Yasar Turan<sup>3</sup>, Mehmet Uyar<sup>4</sup>, Mehtap Cakir<sup>1</sup>

<sup>1</sup>*Necmettin Erbakan University, Meram School of Medicine, Division of Endocrinology and Metabolism*

<sup>2</sup>*Necmettin Erbakan University, Meram School of Medicine, Department of Cardiology*

<sup>3</sup>*Konya Meram Research Hospital, Department of Cardiology*

<sup>4</sup>*Necmettin Erbakan University, Meram School of Medicine, Department of Public Health*

## **P130**

### **GRAVES' OPHTHALMOPATHY WITH OVERT AUTOIMMUNE HYPOTHYROIDISM – 4 CASE REPORTS**

Horea Ioan Ursu<sup>1</sup>, Mariana Purice<sup>2</sup>, Dan Hortopan<sup>2</sup>, Anda Dumitrascu<sup>2</sup>, Daniela Alexandrescu<sup>2</sup>, Monica Livia Gheorghiu<sup>1</sup>

<sup>1</sup>*"C.I.Parhon" National Institute of Endocrinology, Bucharest; "C. Davila" University of Medicine and Pharmacy, Bucharest*

<sup>2</sup>*"C.I.Parhon" National Institute of Endocrinology, Bucharest*

## **P131**

### **INDIVIDUALS WITH LOW MANNOSE-BINDING LECTIN LEVELS MAY BE PROTECTED AGAINST GRAVES' DISEASE**

Annamaria Gazdag<sup>1</sup>, Monika Katko<sup>1</sup>, Domonkos M. Nagy<sup>1</sup>, Annamaria Erdei<sup>1</sup>, Maria Papp<sup>2</sup>, Miklos Bodor<sup>1</sup>, Eszter Berta<sup>1</sup>, Bernadett Ujhelyi<sup>3</sup>, Endre V. Nagy<sup>1</sup>

<sup>1</sup>*Division of Endocrinology, Department of Medicine, University of Debrecen*

<sup>2</sup>*Division of Gastroenterology, Department of Medicine, University of Debrecen*

<sup>3</sup>*Department of Ophthalmology, University of Debrecen*

**PO14 HEART AND THYROID / E-POSTER TERMINAL 2**

Chair: Fabio Monzani, Italy

**P132**

**THE IMPACT OF SUBCLINICAL THYROID DYSFUNCTION ON CORONARY VASOSPASM IN PATIENTS WITHOUT ASSOCIATED CARDIOVASCULAR RISK FACTORS**

Kyoung IM Cho<sup>1</sup>, Bo Hyun Kim<sup>2</sup>

<sup>1</sup>Cardiovascular Research Institute, Department of Internal Medicine, Kosin University College of Medicine

<sup>2</sup>Department of Internal Medicine, School of Medicine, Pusan National University

**P133**

**NONINVASIVE ECHOCARDIOGRAPHIC EVALUATION OF LEFT VENTRICULAR FUNCTION IN PATIENTS WITH HYPER- AND HYPOTHYROIDISM**

Maria Dimova<sup>1</sup>, Branimir Kanazirev<sup>1</sup>

<sup>1</sup>Varna Medical University; St Mariana University Hospital

**P134**

**MASKED HYPERTENSION IN A COHORT OF NEWLY DIAGNOSED HYPOTHYROID PATIENTS**

Daniela Gallo<sup>1</sup>, Eliana Piantanida<sup>1</sup>, Nadia Pariani<sup>1</sup>, Giovanni Veronesi<sup>1</sup>, Adriana Lai<sup>1</sup>, Lorenza Sassi<sup>1</sup>, Maria Laura Tanda<sup>1</sup>, Marco Ferrario<sup>1</sup>, Luigi Bartalena<sup>1</sup>

<sup>1</sup>University of Insubria, Varese, Italy

**P135**

**SERUM CONCENTRATION OF CYTOKINES (IL-6, IL-8, IL-10 AND TNF-ALPHA) IN PATIENTS SUFFERING FROM GRAVES'S DISEASE AND HEART FAILURE**

Arina Frolova<sup>0</sup>, Tatiana Rodionova<sup>1</sup>

<sup>1</sup>Saratov State Medical University N.A. V.I. Razumovsky

**P136**

**β1-ADRENORECEPTOR GENE POLYMORPHISM GLY389ARG AND CARDIOVASCULAR PARAMETERS IN PATIENTS WITH THYREOTOXICOSIS**

Alina Babenko<sup>0</sup>, Elena Grineva<sup>1</sup>, Dariya Savitskaya<sup>1</sup>, Vladislav Solncev<sup>1</sup>, Anna Kostareva<sup>1</sup>

<sup>1</sup>Federal State Budget Institution "federal Medical Research Center Named after V.A. Almazov".

**P137**

**GRAVES' DISEASE AND CARDIOVASCULAR RISK FACTORS.**

Celestino Neves<sup>1</sup>, César Esteves<sup>1</sup>, Helena Greenfield<sup>1</sup>, Miguel Pereira<sup>1</sup>, Oksana Sokhatska<sup>2</sup>, Carmo Palmares<sup>2</sup>, Davide Carvalho<sup>1</sup>, Luís Delgado<sup>2</sup>, José Luís Medina<sup>1</sup>

<sup>1</sup>Endocrinology Service, São João Hospital, Faculty of Medicine, University of Porto, Portugal

<sup>2</sup>Immunology Department, São João Hospital, Faculty of Medicine, University of Porto, Portugal

**P138**

**THE OCCURRENCE RATE FOR CARDIOVASCULAR DISEASES IN THE CASES OF TYPE 2 DIABETES MELLITUS AND THYROID DEFICIENCY.**

Armine Khroyan

Yerevan State Medical University, Endocrinology, Armenia

**P139**

**AUTOIMMUNE THYROIDITIS AND CARDIOVASCULAR RISK FACTORS**

Helena Greenfield<sup>1</sup>, Celestino Neves<sup>1</sup>, César Esteves<sup>1</sup>, Miguel Pereira<sup>1</sup>, Oksana Sokhatska<sup>2</sup>, Carmo Palmares<sup>2</sup>, Davide Carvalho<sup>1</sup>, Luís Delgado<sup>2</sup>, José Luís Medina<sup>1</sup>

<sup>1</sup>Endocrinology Service, São João Hospital, Faculty of Medicine, University of Porto, Portugal

<sup>2</sup>Immunology Department, São João Hospital, Faculty of Medicine, University of Porto, Portugal

**P015 SUBCLINICAL THYROID DISEASE AND HYPOTHYROIDISM / E-POSTER TERMINAL 3**

Chair: Peter Taylor, United Kingdom

**P140**

**THE ASSOCIATION OF MATERNAL AND CHILD'S THYROID FUNCTION ON CHILD'S INTELLECT AND SCHOLASTIC PERFORMANCE**

Fanni Päckilä<sup>1</sup>, Tuija Männistö<sup>2</sup>, Anneli Pouta<sup>3</sup>, Anna-Liisa Hartikainen<sup>4</sup>, Aimo Ruokonen<sup>2</sup>, Heljä-Marja Surcel<sup>3</sup>, BSc Aini Bloigu<sup>3</sup>, Marja Vääräsmäki<sup>4</sup>, Marjo-Riitta Järvelin<sup>5</sup>, Irma Moilanen<sup>6</sup>, Eila Suvanto<sup>4</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, University of Oulu and Oulu University Hospital; Institute of Health Sciences, University of Oulu; Department of Children, Young People and Families, National Institute for Health and Welfare

<sup>2</sup>Department of Clinical Chemistry, University of Oulu and Oulu University Hospital

<sup>3</sup>Department of Children, Young People and Families, National Institute for Health and Welfare

<sup>4</sup>Department of Obstetrics and Gynecology, University of Oulu and Oulu University Hospital

<sup>5</sup>Institute of Health Sciences, University of Oulu; Department of Children, Young People and Families, National Institute for Health and Welfare; Department of Epidemiology and Biostatistics, Mrc Health Protection Agency (Hpa) Centre for Environment and Health, School of Public Health, Imperial College London

<sup>6</sup>Clinic of Child Psychiatry, University of Oulu and Oulu University Hospital

**P141**

**ELDERLY PATIENTS WITH OVERT HYPOTHYROIDISM EXPRESS ONLY FEW SYMPTOMS, AND THYROID FUNCTIONS TEST SHOULD BE PERFORMED ON WIDE INDICATIONS. A POPULATION-BASED STUDY.**

Allan Carlé<sup>1</sup>, Inge Bülow Pedersen<sup>1</sup>, Nils Knudsen<sup>2</sup>, Hans Perrild<sup>2</sup>, Lars Ovesen<sup>3</sup>, Lone Banke Rasmussen<sup>4</sup>, Torben Jørgensen<sup>5</sup>, Peter Laurberg<sup>6</sup>

<sup>1</sup>Department of Endocrinology, Aalborg University Hospital, Aalborg, Denmark

<sup>2</sup>Endocrine Unit, Medical Clinic I, Bispebjerg Hospital, Copenhagen, Denmark

<sup>3</sup>Department of Internal Medicine, Slagelse Hospital, Slagelse, Denmark

<sup>4</sup>Department of Nutrition, National Food Institute, Technical University of Denmark, Søborg, Denmark

<sup>5</sup>Research Centre for Disease Prevention and Health, Copenhagen County, Denmark

<sup>6</sup>Aalborg University Hospital

**P142**

**COMPARATIVE EFFECTIVENESS OF REPLACEMENT MONOTHERAPY WITH L-THYROXINE AND COMBINATION WITH L-THYROXINE AND TRIIODOTHYRONINE IN WOMEN WITH POSTOPERATIVE AND AUTOIMMUNE HYPOTHYROIDISM**

Valentin Fadeyev<sup>1</sup>, Meruert Madiyarova<sup>1</sup>, Tatyana Morgunova<sup>1</sup>

<sup>1</sup>I.M.Sechenov First Moscow State Medical University, Department of Endocrinology

**P143**

**CARDIOVASCULAR DYSFUNCTION IN PATIENTS WITH AUTOIMMUNE THYROIDITIS AND SUBCLINICAL HYPOTHYROIDISM: CHARACTER OF DISORDERS AND RELATIONSHIP TO TSH VALUES.**

Leonid Strongin<sup>1</sup>, Tatiana Nekrasova<sup>1</sup>

<sup>1</sup>Nizhny Novgorod State Medical Academy

**P144**

**LIOTHYRONINE (L-T3) THERAPY FOR HYPOTHYROIDISM INCREASED THREE-FOLD IN DENMARK DURING 2013**

Luba Freja Michaelsson<sup>1</sup>, Bjarke Medici<sup>2</sup>, Christian Selmer<sup>2</sup>, Michael Roeder<sup>3</sup>, Jens Faber<sup>2</sup>, Hans Perrild<sup>4</sup>, Nils Knudsen<sup>5</sup>, Blirte Nygaard<sup>2</sup>

<sup>1</sup>Herlev Hospital

<sup>2</sup>Department of Endocrinology, Herlev Hospital

<sup>3</sup>Danish Medicines Agency

<sup>4</sup>Department of Endocrinology, Bispebjerg University Hospital, Copenhagen, Denmark

<sup>5</sup>Department of Endocrinology, Bispebjerg University Hospital, Copenhagen, Denmark

#### **P145**

### **HYPOTHYROIDISM IS A PREDICTOR OF DISABILITY PENSION AND LOSS OF LABOUR MARKET INCOME. A DANISH REGISTER-BASED STUDY**

Marianne Thvilum<sup>1</sup>, Frans Brandt<sup>1</sup>, Thomas H. Brix<sup>1</sup>, Laszlo Hegedüs<sup>1</sup>

<sup>1</sup>Odense University Hospital, Denmark

#### **P146**

### **ORAL SOLUTION (OS) LEVOTHYROXINE (L-T4) PERMITS TO REACH TARGET TSH LEVELS IN PATIENTS WHO TAKE TWO OR MORE DRUGS KNOWN TO IMPAIR THE INTESTINAL ABSORPTION OF L-T4.**

Roberto Vita<sup>1</sup>, Giovanna Saraceno<sup>1</sup>, Francesco Trimarchi<sup>1</sup>, Salvatore Benvenga<sup>1</sup>

<sup>1</sup>Endocrinology, Department of Clinical & Experimental Medicine, University of Messina

#### **P147**

### **CHARACTERISATION OF PATIENTS NOT SATISFIED WITH THE OUTCOME OF L-T4 MONOTHERAPY FOR HYPOTHYROIDISM .**

Bjarke Medici<sup>1</sup>, Jens Faber<sup>1</sup>, Birte Nygaard<sup>1</sup>

<sup>1</sup>Department of Endocrinology, Herlev Hospital, Denmark

#### **P148**

### **PREDICTIVE RISK MODEL OF SEVERE CORONARY ATHEROSCLEROSIS IN HEART ISCHEMIC DISEASE PATIENTS WITH SUBCLINICAL HYPOTHYROIDISM**

Anna Volkova<sup>0</sup>, Svetlana Dora<sup>1</sup>, Olga Berkovich<sup>1</sup>, Elena Grineva<sup>1</sup>, Olga Dygun<sup>1</sup>

<sup>1</sup>Saint-Petersburg Medical University Named Acad. I.P. Pavlov

#### **P149**

### **SCREENING FOR HYPOTHYROIDISM IN PATIENTS WITH TYPE 1 DIABETES MELLITUS: HOW AND WHEN?**

Ludmilla Cardoso<sup>1</sup>, Marisa Tucci<sup>1</sup>, Patrícia Magalhães<sup>1</sup>, Sonir Antonini<sup>1</sup>, Lea Maciel<sup>1</sup>

<sup>1</sup>Ribeirao Preto Medical School

#### **P150**

### **PATIENTS WITH SUBCLINICAL HYPOTHYROIDISM TREATED WITH L-T4 IN TABLET FORMULATION SHOW REVERSIBLE NORMALISATION OF SERUM TSH LEVELS AFTER SWITCHING TO AN ORAL LIQUID FORMULATION.**

Poupak Fallahi<sup>1</sup>, Silvia Martina Ferrari<sup>1</sup>, Alda Corrado<sup>1</sup>, Andrea Di Domenicantonio<sup>1</sup>, Ilaria Ruffilli<sup>1</sup>, Alessandro Antonelli<sup>0</sup>

<sup>1</sup>University of Pisa

### ***PO16 THYROID AND ENVIRONMENT 2 / E-POSTER TERMINAL 4***

*Chair: Massimo Tonacchera, Italy*

#### **P151**

**Poster has been withdrawn**

## P152

### THE PREVALENCE OF IODINE DEFICIENCY IN POPULATION OF REPRODUCTIVE AGE BY EXAMPLE OF STUDENTS AND DOCTORS OF SAINT-PETERSBURG

Daria Soboleva<sup>1</sup>, Svetlana Dora<sup>1</sup>, Anna Volkova<sup>1</sup>

<sup>1</sup>The First Acad. I.P. Pavlov State Medical University, St. Petersburg

## P153

### ADJUVANT MITOTANE TREATMENT IN PATIENTS WITH ADRENOCORTICAL CANCER CAUSES CENTRAL HYPOTHYROIDISM

Marco Russo<sup>1</sup>, Claudia Scollo<sup>1</sup>, Gabriella Pellegriti<sup>1</sup>, Pasqualino Malandrino<sup>1</sup>, Andrea Caff<sup>1</sup>, Maria Luisa Arpi<sup>1</sup>, Gisella Parrinello<sup>1</sup>, Sebastiano Squatrito<sup>1</sup>, Damiano Gullo<sup>2</sup>

<sup>1</sup>Endocrine Unit, Garibaldi-Nesima Hospital, University of Catania Medical School, Catania, Italy

<sup>2</sup>Endocrine Unit, Garibaldi-Nesima Hospital, University of Catania Medical School

## P154

### BENEFICIAL EFFECT OF AN INCREASE IN IODINE SUPPLY ON THE TYPE AND SEVERITY OF IODINE-INDUCED THYROID DISORDERS

Simona Gaberšček<sup>1</sup>, Vid Bajuk<sup>2</sup>, Katja Zaletel<sup>3</sup>, Edvard Pirnat<sup>3</sup>, Sergej Hojker<sup>1</sup>

<sup>1</sup>University Medical Centre Ljubljana, Department of Nuclear Medicine; University of Ljubljana, Faculty of Medicine

<sup>2</sup>University of Ljubljana, Faculty of Medicine

<sup>3</sup>University Medical Centre Ljubljana, Department of Nuclear Medicine

## P155

### PHARMACOKINETICS OF SELENOMETHIONINE IN PATIENTS WITH HYPOTHYROIDISM AND HYPERTHYROIDISM: A SINGLE-DOSE STUDY

Leonidas Duntas<sup>1</sup>, Theodoros Karakonstantakis<sup>2</sup>, Emilia Mantzou<sup>1</sup>, Ioannis Papassotiriou<sup>2</sup>

<sup>1</sup>Unit of Endocrinology, Diabetes and Metabolism, Evgenidion Hospital, University of Athens

<sup>2</sup>Department OF Clinical Biochemistry, "aghia Sophia" Children's Hospital

## P156

### DI-ETHYLHEXYL-PHTHALATE (DEHP) IS METABOLISED BY HUMAN THYROID CELLS BUT DOES NOT SEEM TO INFLUENCE THYROGLOBULIN PRODUCTION

Juliana Frohnert Hansen<sup>1</sup>, Marianne Moller Brorson<sup>1</sup>, Marie-Louise Hartoft-Nielsen<sup>1</sup>, Malene Boas<sup>2</sup>, Katharina Main<sup>2</sup>, Hanna Frederiksen<sup>2</sup>, Jacob Hofman-Bang<sup>1</sup>, Åse Krogh Rasmussen<sup>1</sup>, Ulla Feldt-Rasmussen<sup>1</sup>

<sup>1</sup>Department of Medical Endocrinology, Rigshospitalet, Copenhagen University Hospital

<sup>2</sup>Department of Growth and Reproduction, Rigshospitalet, Copenhagen University Hospital

## P157

### RADIATION-INDUCED MOLECULAR AND CELLULAR MODULATIONS IN THYROID CELLS UNDER IODINE DEFICIENCY

Hanane Derradji<sup>1</sup>, Marie Hoyas<sup>1</sup>, Jessica Vanderstraeten<sup>2</sup>, Jasmine Buset<sup>1</sup>, Arlette Michaux<sup>1</sup>, Kevin Tabury<sup>1</sup>, Sarah Baatout<sup>1</sup>, Ides Colin<sup>3</sup>, Anne-Catherine Gérard<sup>3</sup>

<sup>1</sup>Radiobiology Unit, Laboratory of Molecular & Cellular Biology, Belgian Nuclear Research Centre, Sck•cen, Mol, Belgium.

<sup>2</sup>Pôle de Morphologie, Institut de Recherche Expérimentale Et Clinique, Université Catholique de Louvain-la-Neuve, Brussels, Belgium.

<sup>3</sup>Service D'endocrino-Diabétologie, Centre Hospitalier Régional (Chr) Mons-Hainaut, Belgium.

## P158

### ETHNIC DIFFERENCE IN URINARY CREATININE EXCRETION INFLUENCE EVALUATION OF IODINE NUTRITION IN GREENLAND INUIT AND CAUCASIANS

Stig Andersen<sup>1</sup>, Marie Dehnfeld<sup>2</sup>, Lone B Rasmussen<sup>3</sup>, Peter Laurberg<sup>4</sup>

<sup>1</sup>Aalborg University Hospital

<sup>2</sup>Arctic Health Research Centre

<sup>3</sup>National Food Institute

<sup>4</sup>Department of Endocrinology

## **P22 (from session P03)**

### **THE EFFECTS OF IODINE DEFICIENCY ON STOMACH, SALIVARY GLANDS AND MAMMARY GLANDS VASCULARIZATION.**

Jessica Vanderstraeten<sup>1</sup>, Julie Craps<sup>1</sup>, Benoît Lengelé<sup>1</sup>, Marie-Christine Many<sup>1</sup>, Idesbald Colin<sup>2</sup>, Anne-Catherine Gérard<sup>2</sup>

<sup>1</sup>Université Catholique de Louvain, Morphologie Expérimentale; <sup>2</sup>Chr Mons-Hainaut, Clinique Saint-Joseph

## **PO17 THYROID CANCER DIAGNOSTICS 2 / E-POSTER TERMINAL 5**

Chair: Stéphane Bardet, France

## **P159**

### **COMPARISONS OF LIQUID-BASED CYTOLOGY AND CONVENTIONAL CYTOLOGY ON THYROID NODULES: PROSPECTIVE STUDY WITH IMAGING-CYTOLOGIC CORRELATIONS ACCORDING TO BETHESDA SYSTEM.**

Soo Jin Kim<sup>1</sup>, Sung Hee Park<sup>1</sup>, Semin Chong<sup>1</sup>, Han Suk Ryu<sup>2</sup>

<sup>1</sup>Department of Radiology, Chung-Ang University Hospital

<sup>2</sup>Department of Pathology, Seoul National University Hospital

## **P160**

### **THE CLINICAL SIGNIFICANCE OF TUMOR SUPPRESSOR GENE MRNA AND PROTEIN EXPRESSION, METHYLATION CHANGES IN NODULAR THYROID DISEASE**

Wei Feng<sup>1</sup>, Wang Zhaoxia<sup>1</sup>, Wu Yun<sup>1</sup>, Li Yongchao<sup>1</sup>, Wang Jing<sup>1</sup>

<sup>1</sup>Department of Endocrinology, the First Affiliated Hospital of Baotou Medical College, Inner Mongolia University of Science and Technology, Baotou China, 014010

## **P161**

### **THE USE OF THE BETHESDA SYSTEM FOR REPORTING THYROID CYTOPATHOLOGY IN KOREA: A NATION-WIDE MULTICENTER SURVEY FROM THE KOREAN SOCIETY OF ENDOCRINE PATHOLOGIST.**

Hyo Jin Park<sup>1</sup>, Hye Sook Min<sup>2</sup>, Hyeong Ju Kwon<sup>3</sup>, Chan Kwon Jung<sup>4</sup>, Hyunju Yoo<sup>5</sup>, Yoo Duk Choi<sup>6</sup>, Mi Ja Lee<sup>7</sup>, Jeong Ja Kwak<sup>8</sup>, Soon Won Hong<sup>9</sup>, Mi Kyung Shin<sup>10</sup>

<sup>1</sup>Department of Pathology Seoul National University Bundang Hospital, Seongnam, Korea

<sup>2</sup>Department of Pathology Seoul National University Hospital, Seoul, Korea

<sup>3</sup>Severance Hospital, Yonsei University College of Medicine, Seoul, Korea

<sup>4</sup>Department of Hospital Pathology College of Medicine The Catholic University of Korea

<sup>5</sup>Department of Pathology, Thyroid Center, Daerim St. Mary's Hospital, Seoul, Korea

<sup>6</sup>Department of Pathology, Chonnam National University Medical School, Gwangju, Korea

<sup>7</sup>Department of Pathology, College of Medicine, Chosun University, Gwangju, Korea

<sup>8</sup>Department of Pathology, Soon Chun Hyang University Hospital, Bucheon, Korea

<sup>9</sup>Thyroid Cancer Center, Department of Pathology, Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, Korea

<sup>10</sup>Department of Pathology Hallym University Medical Center Kangnam Sacred Heart Hospital, Seoul, Korea

## **P162**

### **FALSE-NEGATIVE BRAFV600E MUTATION IN FINE-NEEDLE ASPIRATION CYTOLOGY OF PAPILLARY THYROID CARCINOMA**

Se Hyun Paek<sup>1</sup>, Byung Seup Kim<sup>1</sup>, Kyungho Kang<sup>1</sup>, Soo Jin Kim<sup>1</sup>, Hee Sung Kim<sup>1</sup>, Sung Jun Park<sup>1</sup>

<sup>1</sup>Chung-Ang University Hospital, Chung-Ang University College of Medicine

**P163**

**PAPILLARY THYROID CANCER IN PATIENTS WITH PRIMARY HYPERPARATHYROIDISM: OUR EXPERIENCE**

Julia Bernal<sup>1</sup>, Eduardo Ferrero Herrero<sup>1</sup>, Blanca Cristobal<sup>1</sup>, Lorena Brandáriz<sup>1</sup>, Danae Gil-Díez<sup>1</sup>, Tamara Fernández<sup>1</sup>, Virginia García<sup>1</sup>, María García-Conde<sup>1</sup>, Javier García Borda<sup>1</sup>, Manuel Lomas<sup>1</sup>

<sup>1</sup>H. 12 de Octubre, Spain

**P164**

**PREDICTING THE LIKELIHOOD OF THYROID MALIGNANCY BY USING BRAF MUTATION ANALYSIS: COMPARISON OF BRAF DETECTION METHODS**

Seo Ki Kim<sup>1</sup>, Jee Soo Kim<sup>1</sup>, Jun Ho Lee<sup>1</sup>, Jung-Han Kim<sup>1</sup>, Jun-Ho Choe<sup>1</sup>, Bong Kyun Kim<sup>1</sup>, Jae Hoon Jang<sup>2</sup>, Hyun Chul Lee<sup>1</sup>

<sup>1</sup>Samsung Medical Center, Sungkyunkwan University School of Medicine

<sup>2</sup>Division of Breast and Endocrine Surgery, Department of Surgery,

**P165**

**FDG PET/CT THYROID INCIDENTALOMA: DO ULTRASOUND CRITERIA OF SUSPICION OF MALIGNANCY MODIFY OUR DECISION TO PERFORM FINE NEEDLE ASPIRATION CYTOLOGY (FNAC)?**

Anne Dierick-Gallet<sup>1</sup>, Isabelle Borget<sup>1</sup>, Sophie Bidault<sup>1</sup>, Charlotte Lepoutre<sup>1</sup>, Philippe Vielh<sup>1</sup>, Abir Al Ghuzlan<sup>1</sup>, Amandine Berdelou<sup>1</sup>, Elizabeth Girard<sup>1</sup>, Desiree Deandreis<sup>1</sup>, Marie Terroir<sup>1</sup>, Jean Lumbroso<sup>1</sup>, Haitam Mirghani<sup>1</sup>, Eric Baudin<sup>1</sup>, Martin Schlumberger<sup>1</sup>, Sophie Leboulleux<sup>1</sup>

<sup>1</sup>Gustave Roussy, Université Paris-Sud, Villejuif, France

**P166**

**INCREMENTAL VALUE OF A COMPLEMENTARY NECK ACQUISITION DURING 18F-FDG-PET/CT IN PATIENTS WITH DIFFERENTIATED OR POORLY-DIFFERENTIATED THYROID CANCER**

renaud ciappuccini<sup>1</sup>, nicolas aide<sup>1</sup>, jean-pierre rame<sup>1</sup>, natacha heutte<sup>1</sup>, jean-jacques michels<sup>1</sup>, elske quak<sup>1</sup>, Stephane Bardet<sup>2</sup>

<sup>1</sup>Centre Baclesse

<sup>2</sup>Centre Francois Baclesse

**P167**

**PEDIATRIC DIFFERENTIATED THYROID CARCINOMA IN CENTRAL HOSPITAL OF SANTIAGO DE COMPOSTELA – A RETROSPECTIVE STUDY**

Eduarda Resende<sup>1</sup>, Virginia Pubul Nuñez<sup>2</sup>, Marta Nascimento<sup>3</sup>, Paloma Cabanas Rodriguez<sup>4</sup>, Lidia Castro Feijoo<sup>4</sup>, Gemma Novoa Gomez<sup>5</sup>, Rebeca Saborido Fiaño<sup>4</sup>, Jesús Barreiro Conde<sup>4</sup>

<sup>1</sup>Department of Endocrinology - Central Hospital of Funchal

<sup>2</sup>Department of Nuclear Medicine - Chus

<sup>3</sup>Department of Pediatrics - Pedro Hispano Hospital

<sup>4</sup>Department of Pediatric Endocrinology - Chus

<sup>5</sup>Department of Pediatrics - Ourense Hospital

**P168**

**DEVELOPMENT OF ANTI-THYROGLOBULIN ANTIBODIES (ANTI-TG) AFTER IODINE-131 ABLATION IN PATIENTS WITH WELL DIFFERENTIATED THYROID CANCER WDTC AND THEIR INTERFERENCE WITH THE MEASUREMENT OF THYROGLOBULIN (TG).**

Savvas Frangos<sup>1</sup>, Nicolaos Eftychiou<sup>1</sup>, Anna Vanezi<sup>1</sup>, Maria Petrou<sup>1</sup>, Evanthia Giannoula<sup>2</sup>, Ioannis Iakovou<sup>2</sup>

<sup>1</sup>Department of Nuclear Medicine; Bank of Cyprus Oncology Centre

<sup>2</sup>Nuclear Medicine Department; Aristotle University, Papageorgiou Hospital



**P169**

**PROGNOSTIC VALUE OF USING THE % CHANGE IN INITIAL TGAB CONCENTRATION TO MONITOR TGAB-POSITIVE PAPILLARY THYROID CANCER (PTC) PATIENTS FOR PERSISTENT/RECURRENT DISEASE.**

Shireen Fatemi<sup>1</sup>, Jonathan LoPresti<sup>2</sup>, Ivana Petrovic<sup>2</sup>, Carole Spencer<sup>3</sup>

<sup>1</sup>*Southern California Permanente Medical Group;* <sup>2</sup>*Usc Endocrine Laboratories*

<sup>3</sup>*Usc Endocrine Laboratory; University of Southern California*

**P170**

**ESTABLISHMENT OF HUMAN RELEVANT CULTURE FROM FNABS**

Angela Rodriguez García-Rendueles<sup>1</sup>, Maria del Carmen Suarez<sup>1</sup>, Valentina Cirello<sup>2</sup>, Joana S Rodrigues<sup>1</sup>  
Ana Senra<sup>1</sup>, Sihara Perez<sup>1</sup>, Javier Rodríguez-García<sup>3</sup>, Laura Fugazzola<sup>2</sup>, Clara Alvarez Villamarín<sup>1</sup>

<sup>1</sup>*Center for Research in Molecular Medicine and Chronic Diseases (Cimus), University of Santiago de Compostela*

<sup>3</sup>*Department of Clinical Sciences and Community Health, University of Milan, Milan, Italy; Endocrine Unit, Fondazione Policlinico Irccs, Milan, Italy;* <sup>2</sup>*Clinical Biochemistry, University of Santiago de Compostela (USC) and Clinical University Hospital of Santiago de Compostela.*

***PO18 THYROID CANCER PATHOGENESIS 1 / E-POSTER TERMINAL 6***

*Chair: Thera Links, The Netherlands*

**P171**

**TALL CELL VARIANT OF PAPILLARY THYROID CARCINOMA: A CLINICOPATHOLOGICAL STUDY WITH BRAFV600E MUTATIONAL ANALYSIS**

Rocío Villar-Taibo<sup>1</sup>, Diego Peteiro-González<sup>2</sup>, José-Manuel Cabezas-Agrícola<sup>3</sup>, Clara Ruiz-Ponte<sup>4</sup>, José Cameselle-Teijeiro<sup>5</sup>

<sup>1</sup>*Endocrinology Department. University Hospital of León.*

<sup>2</sup>*Endocrinology Section. Sierrallana Hospital, Torrelavega (Cantabria)*

<sup>3</sup>*Department of Endocrinology, Clinical University Hospital, 15706 Santiago de Compostela, Spain.*

<sup>4</sup>*Fundación Pública Galega de Medicina Xenómica, Ciberer, Santiago de Compostela,*

<sup>5</sup>*Department of Pathology, Clinical University Hospital of Santiago de Compostela, Sergas, University of Santiago de Compostela*

**P172**

**WARTHIN-LIKE VARIANT OF PAPILLARY THYROID CARCINOMA: A COMPARISON WITH CLASSIC TYPE IN THE PATIENTS WITH COEXISTING HASHIMOTO'S THYROIDITIS**

Chan Kwon Jung<sup>1</sup>, Min-kyung Yeo<sup>2</sup>, Ja Seong Bae<sup>3</sup>, Sohee Lee<sup>3</sup>, Min Hee Kim<sup>4</sup>, Dong Jun Lim<sup>4</sup>

<sup>1</sup>*College of Medicine, The Catholic University of Korea; Department of Hospital Pathology*

<sup>2</sup>*Chungnam National University*

<sup>3</sup>*Department of Surgery, Catholic University of Korea College of Medicine, Seoul St. Mary's Hospital Seoul, Republic of Korea*

<sup>4</sup>*College of Medicine, The Catholic University of Korea*

**P173**

**HLA-G 3' UNTRANSLATED REGION POLYMORPHISMS IN THYROID TUMORS: POTENTIAL DIAGNOSTIC AND PROGNOSTIC MARKERS?**

Lea Maciel<sup>1</sup>, Nathalie Figueiredo-Feitosa<sup>1</sup>, Patrícia Magalhães<sup>1</sup>, Daiani Alves<sup>1</sup>, Gustavo Palomino<sup>1</sup>, Celso Mendes-Junior<sup>1</sup>, Eduardo Donadi<sup>1</sup>

<sup>1</sup>*Ribeirao Preto Medical School*

**P174**

**NO SIGNIFICANT DIFFERENCES IN THE LONG TERM OUTCOME BETWEEN FAMILIAL (FDTC) AND SPORADIC (SDTC) CASES OF FOLLICULAR CELL DERIVED THYROID CARCINOMAS (DTC)**

Katerina Saltiki<sup>1</sup>, Michael Apostolakis<sup>1</sup>, Fani Kanouta<sup>2</sup>, George Papadakis<sup>2</sup>, Theodora Pappa<sup>1</sup>,

Anastasia Athanasiadou<sup>1</sup>, Gianna Rentziou<sup>1</sup>, Eleni Anastasiou<sup>1</sup>, Anastasios Pappas<sup>2</sup>, Maria Alevizaki<sup>1</sup>

<sup>1</sup>*Endocrine Unit, Dept Medical Therapeutics, Alexandra Hospital, Athens University School of Medicine, Athens, Greece*

<sup>2</sup>Dept of Endocrinology, Metaxa Hospital, Athens, Greece

### **P175**

#### **ROLE OF MIRNA IN CONTROL OF THYROID TUMORIGENESIS**

Jacques Dumont<sup>1</sup>, Pita Jaime<sup>2</sup>, Van Sande Jacqueline<sup>2</sup>, Maenhaut Carine<sup>2</sup>

<sup>1</sup>University Brussels

<sup>2</sup>Ulb

### **P176**

#### **EVIDENCE OF MACROPHAGES INFILTRATION IN POORLY DIFFERENTIATED (PDTC) AND ANAPLASTIC THYROID CARCINOMA (ATC): IMPACT ON MOLECULAR ANALYSIS**

Alessia Tacito<sup>1</sup>, Clara Ugolini<sup>2</sup>, Cristina Romei<sup>1</sup>, Raffaele Ciampi<sup>1</sup>, Francesca Casella<sup>1</sup>, Liborio Torregrossa<sup>2</sup>, Fulvio Basolo<sup>2</sup>, Rossella Elisei<sup>1</sup>

<sup>1</sup>Department of Clinical and Experimental Medicine, University of Pisa

<sup>2</sup>Department of Surgical Pathology, Medicine, Molecular and Critical Area, University of Pisa

### **P177**

#### **LDL CHOLESTEROL REGULATE THE EXPRESSION OF LDL-R IN FOLLICULAR THYROID CELLS**

Eugènia Mato<sup>1</sup>, Aleida Pujol<sup>2</sup>, Joan Carles Escola<sup>3</sup>, Cintia Gonzalez<sup>4</sup>, Olga Bell<sup>5</sup>, David Santos<sup>6</sup>, Antonio Moral Duarte<sup>7</sup>, Jose Ignacio Pérez<sup>7</sup>, Francisco Blanco-Vaca<sup>8</sup>, Alberto de Leiva<sup>9</sup>

<sup>1</sup>Networking Research Center on Bioengineering, Biomaterials and Nanomedicine (Ciber-Bbn), Eduab-Hsp Hospital Santa Creu I Sant Pau, Autonomous University, Barcelona

<sup>2</sup>Institut de Recerca de L'hospital de la Santa Creu I Sant Pau, Institut D'investigacions Biomèdiques (Iib) Santa Creu I Sant Pau

<sup>3</sup>Institut de Recerca de L'hospital de la Santa Creu I Sant Pau, Institut D'investigacions Biomèdiques (Iib) Santa Creu I Sant Pau ; Ciber de Diabetes Y Enfermedades Metabólicas Asociadas. Ciberdem. Barcelona, Spain

<sup>4</sup>Networking Research Center on Bioengineering, Biomaterials and Nanomedicine (Ciber-Bbn), Hospital Santa Creu I Sant Pau, Autonomous University, Barcelona. ; Endocrinology Department, Hospital Sant Pau, Autonomous University, Barcelona, Spain

<sup>5</sup>Networking Research Center on Bioengineering, Biomaterials and Nanomedicine (Ciber-Bbn), Hospital Santa Creu I Sant Pau, Autonomous University, Barcelona

<sup>6</sup>Institut de Recerca de L'hospital de la Santa Creu I Sant Pau, Institut D'investigacions Biomèdiques (Iib) Sant Pau and ; Ciber de Diabetes Y Enfermedades Metabólicas Asociadas. Ciberdem. Barcelona,

<sup>7</sup>General Surgery, Hospital de la Santa Creu I Sant Pau, Barcelona,

<sup>8</sup>Institut de Recerca de L'hospital de la Santa Creu I Sant Pau, Institut D'investigacions Biomèdiques (Iib) Sant Pau And; Ciber de Diabetes Y Enfermedades Metabólicas Asociadas. Ciberdem. Barcelona,

<sup>9</sup>Networking Research Center on Bioengineering, Biomaterials and Nanomedicine (Ciber-Bbn), Hospital Santa Creu I Sant Pau, Autonomous University, Barcelona. ; Endocrinology Department, Hospital Sant Pau, Autonomous University, Barcelona, Spain; Dept. of Endocrinology & Nutrition

### **P178**

#### **SERUM TSH, FREQUENCY AND SIZE OF PAPILLARY THYROID CARCINOMA IN PATIENTS WITH NODULAR THYROID DISEASE**

Maria Annateresa Provenzale<sup>1</sup>, Liborio Torregrossa<sup>2</sup>, Letizia Pieruzzi<sup>1</sup>, Eleonora Molinaro<sup>1</sup>, Emilio Fiore<sup>1</sup>, Fulvio Basolo<sup>2</sup>, Paolo Vitti<sup>1</sup>

<sup>1</sup>Department of Clinical and Experimental Medicine - Pisa

<sup>2</sup>Department of Surgical Pathology – Pisa

### **P179**

#### **TUMORIGENESIS OF PAPILLARY THYROID CANCER IS NOT BRAF-DEPENDENT IN PATIENTS WITH ACROMEGALY**

Ho-Cheol Kang<sup>1</sup>, Hee Kyung Kim<sup>1</sup>, Jee Hee Yoon<sup>1</sup>, Soo Jeong Kim<sup>1</sup>

<sup>1</sup>Department of Internal Medicine, Chonnam National University Medical School

### **P180**

#### **THE IMPACT OF CLAUDIN-1 ON THYROID CANCER AGGRESSIVENESS**

Denise Zwanziger<sup>1</sup>, Stefanie Rehn<sup>1</sup>, Julia Badiong<sup>1</sup>, Andrea Jaeger<sup>1</sup>, Dagmar Führer<sup>1</sup>

**P181**

**RET GERMLINE HETEROZYGOUS MUTATION ALA883THR IS NOT ASSOCIATED WITH MEDULLARY THYROID CARCINOMA**

Laura Valerio<sup>1</sup>, Cristina Romei<sup>1</sup>, Alessia Tacito<sup>1</sup>, Raffaele Ciampi<sup>1</sup>, Valeria Bottici<sup>1</sup>, Rossella Elisei<sup>1</sup>  
<sup>1</sup>Endocrine Unit, Department of Clinical and Experimental Medicine, University of Pisa, Pisa, Italy

**P182**

**EXPRESSION OF LAMININ-332 IN PAPILLARY THYROID CARCINOMA WITH OR WITHOUT LYMPH NODE METASTASIS**

Kyoung Ho Oh<sup>1</sup>, Won-gue Han<sup>1</sup>, Jun Yoo<sup>1</sup>, Soon Young Kwon<sup>1</sup>  
<sup>1</sup>Korea University Ansan Hospital

**P183**

**SECOND PRIMARY MALIGNANCY IN PATIENTS WITH THYROID CANCER**

Stylianios Mandanas<sup>1</sup>, Paschalia Iliadou<sup>1</sup>, Pavlos Papakotoulas<sup>1</sup>, Evanthia Giannoula<sup>1</sup>, Vasiliki Chatzipavlidou<sup>1</sup>, Kalliopi Pazaitou- Panayiotou<sup>1</sup>  
<sup>1</sup>Theagenio Cancer Hospital

***P019 THYROID CANCER THERAPEUTICS 2 / E-POSTER TERMINAL 7***

*Chair: Antonino Belfiore, Italy*

**P184**

**THE IMPACT OF THE NUMBER OF HARVESTED CENTRAL LYMPH NODES ON THE LYMPH NODE RATIO AND POSTOPERATIVE ATHYROGLOBULINEMIA**

Eun-Jae Chung<sup>1</sup>, Young-Soo Rho<sup>2</sup>  
<sup>1</sup>Ilsong Memorial Institute of Head and Neck Cancer, Hallym University, College of Medicine  
<sup>2</sup>Ewha Womans University, College of Medicine

**P185**

**REOPERATIVE NECK DISSECTION IN DIFFERENTIATED THYROID CANCER WITH RECURRENT/PERSISTENT DISEASE: EFFICACY OF FIRST REOPERATION**

Livia Lamartina<sup>1</sup>, Dana Hartl<sup>1</sup>, Amandine Berdelou<sup>1</sup>, Abir Al Ghuzlan<sup>1</sup>, Borget Isabelle<sup>1</sup>, Desiree Deandreis<sup>1</sup>, Eric Baudin<sup>1</sup>, Haitam Mirghani<sup>1</sup>, Martin Schlumberger<sup>2</sup>, Sophie Leboulleux<sup>1</sup>  
<sup>1</sup>Gustave Roussy, Université Paris-Sud, Villejuif, France  
<sup>2</sup>Department of Nuclear Medicine and Endocrine Oncology, Gustave Roussy and Université Paris-Sud, Villejuif, France

**P186**

**THYROID PAPILLARY CARCINOMAS: COMPARISON BETWEEN THE CLASSICAL AND THE FOLLICULAR VARIANT AS TO CLINICAL PATHOLOGICAL CHARACTERISTICS AND FOLLOW-UP**

Flávia Ramos<sup>1</sup>, Jose Vicente Tagliarini<sup>1</sup>, Emanuel Castilho<sup>1</sup>, Mariangela Marques<sup>1</sup>, Yoshio Kiy<sup>1</sup>, Carlos Roberto Padovani<sup>2</sup>, Celia Regina Nogueira<sup>1</sup>, Gláucia Mazeto<sup>1</sup>  
<sup>1</sup>Botucatu Medical School - Sao Paulo State University - Unesp  
<sup>2</sup>Institute of Bioscience - Sao Paulo State University – Unesp

**P187**

**PREDICTIVE FACTORS OF CONTRALATERAL CENTRAL LYMPH NODE METASTASIS IN UNILATERAL PAPILLARY THYROID CARCINOMA**

Jun Ho Kim<sup>1</sup>, Yun Beom Ryu<sup>1</sup>, Lee Su Kim<sup>1</sup>  
<sup>1</sup>Division of Breast and Endocrine Surgery, Hallym University Sacred Heart Hospital, Hallym University College of Medicine

**P188**

**ONE-STEP NUCLEIC ACID AMPLIFICATION (OSNA) ASSAY TO EVALUATE LYMPH NODE STATUS IN PATIENTS WITH PAPILLARY THYROID CARCINOMA**

Gabriel Obiols<sup>1</sup>, Zafon Carles<sup>2</sup>, Iglesias Carmela<sup>1</sup>, Gonzalez Oscar<sup>1</sup>, Garcia-Burillo Amparo<sup>1</sup>, Temprana Jordi<sup>1</sup>, Serres Xavier<sup>1</sup>

<sup>1</sup>Hospital Vall D'hebron

<sup>2</sup>Hospital Vall D'hebron; on Behalf of the Consortium for the Study of Thyroid Cancer (Cecat)

**P189**

**AGE IS THE ONLY RISK FACTOR RELATED TO DISEASE DEATH IN PAPILLARY THYROID CANCER PATIENTS WITH DISTANT METASTASIS AT THE TIME OF INITIAL SURGERY.**

Kenichi Matsuzu<sup>1</sup>, Kiminori Sugino<sup>1</sup>, Mitsuji Nagahama<sup>1</sup>, Wataru Kitagawa<sup>1</sup>, Hiroshi Shibuya<sup>1</sup>, Keiko Ohkuwa<sup>1</sup>, Takashi Uruno<sup>1</sup>, Akifumi Suzuki<sup>1</sup>, Junko Akaishi<sup>1</sup>, Chie Masaki<sup>1</sup>, Fumi Saito<sup>1</sup>, Yuna Ogimi<sup>1</sup>, Michikazu Kawano<sup>1</sup>, nobuyasu suganuma<sup>2</sup>, Yasushi Rino<sup>3</sup>, Munetaka Masuda<sup>3</sup>, Koichi Ito<sup>1</sup>

<sup>1</sup>Ito Hospital

<sup>2</sup>Yokohama City University; Department of Surgery

<sup>3</sup>Yokohama City University

**P190**

**PILOTING A COMPUTERISED FOLLOW UP SYSTEM FOR THYROID CANCER PATIENTS WHO HAVE AN EXCELLENT RESPONSE TO INITIAL TREATMENT SUCH THAT THEIR SERUM THYROTROPHIN CAN BE IN THE LOW - NORMAL RANGE.**

Georgina Gerrard<sup>1</sup>, Katie Spencer<sup>1</sup>, Lisa Owen<sup>1</sup>, Brinda Sethugavalar<sup>1</sup>, Lavanya Mariappan<sup>1</sup>, Robert D Murray<sup>2</sup>

<sup>1</sup>St James Institute of Oncology, Leeds, UK

<sup>2</sup>St James University Hospital, Leeds, UK

**P191**

**ONCOLOGIC OUTCOMES OF PAPILLARY THYROID CARCINOMA : A 16-YEAR SINGLE SURGEON EXPERIENCE**

Hyo Sang Park<sup>1</sup>, Kang Dae Lee<sup>2</sup>, Hyoung Shin Lee<sup>2</sup>, Sung Won Kim<sup>3</sup>, Jun Woong Song<sup>3</sup>, Gi Yun Nam<sup>3</sup>, Jong Chul Hong<sup>4</sup>

<sup>1</sup>Sharing and Happiness Hospital

<sup>2</sup>Department of Otolaryngology-Head and Neck Surgery, Kosin University College of Medicine

<sup>3</sup>Kosin University College of Medicine

<sup>4</sup>Dong-A University College of Medicine

**P192**

**PATTERNS AND PREDICTIVE FACTORS OF CONTRALATERAL CENTRAL NODAL METASTASIS IN THYROID PAPILLARY CARCINOMA: PROSPECTIVE STUDY OF BILATERAL CENTRAL LYMPH NODE DISSECTION**

Young-Soo Rho<sup>1</sup>, Eun-Jae Chung<sup>2</sup>

<sup>1</sup>Ewha Womans University, College of Medicine

<sup>2</sup>Ilsong Memorial Institute of Head and Neck Cancer, Hallym University, College of Medicine

**P193**

**THYROID CANCER OUTCOME IN CHILDREN AND YOUNG ADULTS**

Marinella Tzanela<sup>1</sup>, Christina Kanaka-Gantenbein<sup>2</sup>, Olga Karapanou<sup>3</sup>, Phoebe Rontogianni<sup>4</sup>, Aikaterini Dacou-Voutetakis<sup>2</sup>, Stylianos Tsagarakis<sup>1</sup>

<sup>1</sup>Department of Endocrinology, Evangelismos Hospital

<sup>2</sup>Division of Endocrinology, Metabolism and Diabetes, 1st Department of Pediatrics, University of Athens, Aghia Sophia Children's Hospital

<sup>3</sup>Department of Endocrinology, Evangelismos Hospital,

<sup>4</sup>Department of Nuclear Medicine, Evangelismos Hospital

**P194**

**FOLLOW UP OF LOW RISK THYROID CANCER PATIENTS BY SPECIALIST NURSE PHONE CONSULTATIONS RATHER THAN VIA CLINIC VISITS.**

Emma Dugdale<sup>1</sup>, Georgina Gerrard<sup>1</sup>, Lynn Priestley<sup>1</sup>, Lavanya Mariappan<sup>1</sup>, Ee Siang Choong<sup>1</sup>

<sup>1</sup>St James Institute of Oncology, Leeds, UK

**P195**

**INTRAOPERATIVE RLN MONITORING (IONM): NORMATIVE RANGE ASSOCIATED WITH NORMAL POSTOPERATIVE VOCAL CORD FUNCTION : A PRELIMINARY STUDY**

Young-Soo Rho<sup>1</sup>, Eun-Jae Chung<sup>2</sup>

<sup>1</sup>Ewha Womans University, College of Medicine

<sup>2</sup>Ilsong Memorial Institute of Head and Neck Cancer, Hallym University, College of Medicine

**P196**

Poster has been withdrawn

***PO20 THYROID HORMONE AVAILABILITY AND ACTION / E-POSTER TERMINAL 8***

*Chair: Georg Brabant, Germany*

**P197**

**ANALYZING THE ENERGY METABOLISM IN MCT8-DEFICIENT NEURONS**

Franziska Meyer<sup>1</sup>, Eva K. Wirth<sup>1</sup>, Ulrich Schweizer<sup>2</sup>

<sup>1</sup>Institut Für Experimentelle Endokrinologie, Charite Universitätsmedizin Berlin

<sup>2</sup>Institut Für Biochemie und Molekularbiologie, Rheinische Friedrich-Wilhelms-Universität Bonn

**P198**

**3-IODOTHYRONAMINE RESCUES B-AMYLOID DEPENDENT LONG TERM POTENTIATION IMPAIRMENT IN THE ENTORHINAL CORTEX**

Chiara Criscuolo<sup>1</sup>, Martina Sabatini<sup>2</sup>, Riccardo Donzelli<sup>2</sup>, Alessandro Saba<sup>2</sup>, Riccardo Zucchi<sup>2</sup>, Nicola Origlia<sup>1</sup>

<sup>1</sup>Cnr Neuroscience Institute

<sup>2</sup>University of Pisa

**P199**

**THYROID HORMONE TRANSPORTER LAT2: ANALYSIS OF SUBSTRATE CHARACTERISTICS BY VARIATION OF THYROID HORMONE LIKE SCAFFOLDS**

Katrin Hinz<sup>1</sup>, Katja Meyer<sup>1</sup>, Michael Lisurek<sup>1</sup>, Josef Köhrle<sup>2</sup>, Anita Kinne<sup>1</sup>, Gerd Krause<sup>1</sup>

<sup>1</sup>Leibniz-Institut Für Molekulare Pharmakologie (Fmp)

<sup>2</sup>Institut Für Experimentelle Endokrinologie, Charite-Univ. Medizin Berlin

**P200**

**T3 REGULATED GENES IN BROWN ADIPOCYTES**

Raquel Martinez de Mena<sup>1</sup>, Maria Jesus Obregon<sup>2</sup>

<sup>1</sup>Instituto de Investigaciones Biomédicas Uam-Csic; <sup>2</sup>Inst. Investigaciones Biomedicas, Csic, Spain

**P201**

**THE CHICKEN EMBRYO AS A MODEL FOR MCT8 DEFICIENCY DURING CEREBELLAR DEVELOPMENT**

Joke Delbaere<sup>1</sup>, Stijn L.J. Van Herck<sup>1</sup>, Nele Bourgeois<sup>1</sup>, Veerle M. Darras<sup>1</sup>

<sup>1</sup>Laboratory of Comparative Endocrinology, Ku Leuven, Belgium

## **P202**

### **EVALUATION OF TRIAC ACTIVITY IN MCT8 KO MICE**

Soledad Barez-Lopez<sup>1</sup>, Maria Jesus Obregon<sup>2</sup>, Raquel Martinez de Mena<sup>1</sup>, Ainhoa Iglesias<sup>3</sup>, Jose Carlos Moreno<sup>4</sup>, Juan Bernal<sup>5</sup>, Ana Guadaño-Ferraz<sup>1</sup>, Beatriz Morte<sup>6</sup>

<sup>1</sup>*Instituto de Investigaciones Biomédicas Uam-Csic*

<sup>2</sup>*Inst. Investigaciones Biomedicas, Csic*

<sup>3</sup>*Thyroid Molecular Lab. Institute for Medical and Molecular Genetics (Ingemm). La Paz University Hospital*

<sup>4</sup>*Molecular Thyroid Laboratory, Institute for Medical and Molecular Genetics (Ingemm), La Paz University Hospital, Madrid, Spain*

<sup>5</sup>*Instituto de Investigaciones Biomédicas Csic; Center for Biomedical Research on Rare Diseases Ciberer; Center for Biomedical Research on Rare Diseases*

<sup>6</sup>*Instituto de Investigaciones Biomedicas Csic-Uam; Center for Biomedical Research on Rare Diseases*

## **P203**

### **MCT 8 AND LAT 2 EXPRESSION IN DIFFERENTIALLY FUNCTIONING BENIGN AND MALIGNANT THYROID TUMORS**

Dagmar Führer-Sakel<sup>1</sup>, Julia Badziong<sup>1</sup>, Vera Tiedje<sup>1</sup>, Saskia Ting<sup>2</sup>, Sien-Yi Sheu<sup>2</sup>, Lars C Moeller<sup>1</sup>, Jonas Weber<sup>3</sup>, Kurt Werner Schmid<sup>2</sup>, Klaudia Brix<sup>3</sup>, Denise Zwanziger<sup>1</sup>

<sup>1</sup>*Department of Endocrinology and Metabolism; University of Duisburg-Essen*

<sup>2</sup>*Institute of Pathology; University of Duisburg-Essen*

<sup>3</sup>*School of Engineering and Science; Jacobs University Bremen*

## **P204**

### **LINKS BETWEEN HYPOTHALAMIC THYROID HORMONE SIGNALLING AND BAT THERMOGENESIS IN DIET-INDUCED OBESITY RESISTANT WSB/EIJ MICE**

Marie-Stéphanie Clerget-Froidevaux<sup>1</sup>, Stéphanie Decherf<sup>1</sup>, Jérémy Terrien<sup>1</sup>, Bolaji Seffou<sup>1</sup>, Isabelle Seugnet<sup>1</sup>, James Bowers<sup>1</sup>, Barbara Demeneix<sup>1</sup>

<sup>1</sup>*Mnhn/Cnrs Umr7221*

## **P205**

### **A STUDY OF FETAL BRAIN STRUCTURE FOLLOWING SEVERE IODINE DEFICIENCY FETAL THYROIDECTOMY AND MATERNAL THYROIDECTOMY IN THE SHEEP**

Zorka Milicevic<sup>1</sup>

<sup>1</sup>*Department of Molecular Biology and Endocrinology, Institute of Nuclear Sciences "Vinca" University of Belgrade, 11000 Belgrade, Serbia*

## **P206**

### **EXPRESSION PROFILES OF THYROID HORMONE TRANSPORTERS MCT10 AND LAT2 WITHIN THE DIFFERENT INTESTINAL SEGMENTS OF YOUNG AND AGED WILD-TYPE MICE**

Richard Voigtländer<sup>1</sup>, Petzsch Kristina<sup>1</sup>, Brix Klaudia<sup>2</sup>, Schmidt Mathias<sup>1</sup>, Jaeger Andrea<sup>1</sup>, Rehders Maren<sup>2</sup>, Zwanziger Denise<sup>1</sup>, Lars Moeller<sup>3</sup>, Ulrich Schweizer<sup>4</sup>, Dagmar Führer<sup>1</sup>

<sup>1</sup>*Department of Endocrinology and Metabolism and Division of Laboratory Research, University of Duisburg-Essen, Essen, Germany*

<sup>2</sup>*Department of Cell Biology, Jacobs University Bremen, Bremen, Germany*

<sup>3</sup>*University Duisburg-Essen, Department of Endocrinology and Metabolism*

<sup>4</sup>*Rheinische Friedrich-Wilhelms-Universität Bonn ; Institut Für Biochemie und Molekularbiologie*

## **PO21 THYROID IN REPRODUCTION AND DEVELOPMENT 2 / E-POSTER TERMINAL 9**

*Chair: Kris Poppe, Belgium*

## **P207**

### **THYROID DYSFUNCTION AND THYROID AUTOIMMUNITY IN PREGNANT WOMEN**

Hernando Vargas-Uricoechea

*Universidad del Cauca, internal medicine department. Popayan-Cauca-Colombia*

## P208

### PROSPECTIVE STUDY: IS THERE A RELATIONSHIP BETWEEN AUTOIMMUNITY AND THYROID ULTRASOUND IN PREGNANT WOMEN?

Iorena Suarez Gutierrez<sup>1</sup>, Nuria Valdés<sup>1</sup>, Jessica Ares<sup>1</sup>, María Galiana Rodríguez Caballero<sup>1</sup>, Lucía Díaz Naya<sup>1</sup>, Noelia Abello<sup>1</sup>, Edelmiro Menéndez Torre<sup>1</sup>

<sup>1</sup>Hospital Universitario Central de Asturias

## P209

### IODINE STATUS OF PREGNANT WOMEN FROM İSTANBUL

Engin Oral<sup>1</sup>, Abdullah Serdar Açıkgöz<sup>1</sup>, Begüm Aydoğan<sup>2</sup>, Berna İmge Aydoğan<sup>3</sup>, Hasniye Çelik Acioğlu<sup>4</sup>, Gökçe Anık İlhan<sup>4</sup>, Banu Dane<sup>5</sup>, Ayşegül Özel<sup>5</sup>, Hakan Erenel<sup>2</sup>, Bülent Tandoğan<sup>6</sup>, Erbil Çakar<sup>6</sup>, Herman İşçi<sup>7</sup>, Başak Kayan<sup>7</sup>, Halil Aslan<sup>8</sup>, Ali Ekiz<sup>8</sup>, Seda Sancak<sup>9</sup>, Ayhan Çelik<sup>9</sup>, Tevfik Yoldemir<sup>10</sup>, Özgür Uzun<sup>10</sup>, Murat Faik Erdoğan<sup>3</sup>

<sup>1</sup>Istanbul University Cerrahpaşa School of Medicine, Department of Gynecology and Obstetrics

<sup>2</sup>Şişli Etfal Education and Research Hospital, Department of Gynecology and Obstetrics

<sup>3</sup>Ankara University School of Medicine, Department of Endocrinology and Metabolism Diseases

<sup>4</sup>Kartal Lütfi Kırdar Education and Research Hospital, Department of Gynecology and Obstetrics

<sup>5</sup>Bezmi Alem University, Department of Gynecology and Obstetrics

<sup>6</sup>Zeynep Kamil Obstetrics and Pediatrics Hospital, Department of Gynecology and Obstetrics

<sup>7</sup>Florance Nightingale Bilim University, Department of Gynecology and Obstetrics

<sup>8</sup>Kanuni Sultan Süleyman Education and Research Hospital, Department of Gynecology and Obstetrics

<sup>9</sup>Fatih Sultan Mehmet Education and Research Hospital, Department of Gynecology and Obstetrics

<sup>10</sup>Marmara University Pendik Education and Research Hospital, Department of Gynecology and Obstetrics

## P210

### IODINE NUTRITIONAL STATUS IN PREGNANT AND LACTATING WOMEN IN NORTH-EAST HUNGARY

Mónika Katkó<sup>1</sup>, Laszlo Samson<sup>1</sup>, Zsuzsa Varga<sup>1</sup>, Miklos Bodor<sup>1</sup>, Ildiko Hircsu<sup>1</sup>, Andrea A. Gazso<sup>1</sup>, Domonkos M. Nagy<sup>1</sup>, Erika Galgoczi<sup>1</sup>, Annamaria Gazdag<sup>1</sup>, Annamaria Erdei<sup>1</sup>, Endre V. Nagy<sup>1</sup>

<sup>1</sup>Division of Endocrinology, Department of Medicine, University of Debrecen

## P211

### LOW-NORMAL LEVELS OF T4 FREE HORMONE AS A CAUSE OF GIRLS' OVARIAN DYSFUNCTION

Maria Badalyan<sup>0</sup>, Viktoria Hakobyan<sup>1</sup>, Gayane Bayburdian<sup>1</sup>

<sup>1</sup>Yerevan State Medical University

## P212

### THE IODINE EXCRETION RATE AND ITS EFFECTS ON THYROID FUNCTION AND MORPHOLOGY DURING PREGNANCY IN AN IODINE SUFFICIENT REGION

Seda Sancak<sup>0</sup>, Mümtaz Ozarar<sup>1</sup>, Mehmet Sargin<sup>2</sup>, Ömer Kan<sup>3</sup>, Gülgün Aslan<sup>4</sup>, Hasan Aydın<sup>5</sup>, Ali Özdemir<sup>3</sup>, Hakkı Muammer Karakaş<sup>1</sup>

<sup>1</sup>Fatih Sultan Mehmet Training and Educational Hospital, Department of Radiology, Istanbul, Turkey

<sup>2</sup>Kartal Lutfi Kırdar Education and Research Hospital, Diabetes Department, Istanbul, Turkey

<sup>3</sup>Fatih Sultan Mehmet Training and Educational Hospital, Department of Internal Medicine, Istanbul, Turkey

<sup>4</sup>Kartal Lutfi Kırdar Education and Research Hospital, Department of Internal Medicine, Istanbul, Turkey

<sup>5</sup>Yeditepe University Medical Faculty, Department of Endocrinology and Metabolism, Istanbul, Turkey

## P213

### PREVALENCE AND PERINATAL OUTCOME OF EARLY ISOLATED MATERNAL HYPOTHYROIDISM

Raluca Maria Furnica<sup>1</sup>, Damien Gruson<sup>2</sup>, Chantal Daumerie<sup>3</sup>

<sup>1</sup>Department of Endocrinology, Cliniques Universitaires Saint-Luc, Université Catholique de Louvain, Brussels.

<sup>2</sup>Department of Laboratory Medicine Cliniques Universitaires Saint-Luc, Université Catholique de Louvain, Brussels

<sup>3</sup>Cliniques Universitaires Saint-Luc; Université Catholique de Louvain

## **P214**

### **IODINE NUTRITION AND THYROID FUNCTION IN PREGNANT WOMEN OF OVIEDO.**

Edelmiro Menendez<sup>1</sup>, Antonio Rabal Artal<sup>1</sup>, lorena suarez gutierrez<sup>1</sup>, María Galiana Rodríguez Caballero<sup>1</sup>, Jessica Ares Blanco<sup>1</sup>, Lucía Díaz Naya<sup>1</sup>

<sup>1</sup>Hospital Universitario Central de Asturias

## **P215**

### **REFERENTIAL VALUES OF TSH AND FREE THYROID HORMONES IN HEALTHY PREGNANT WOMEN - A MULTICENTER STUDY IN POLAND.**

Marta Kostecka-Matyja<sup>1</sup>, Ewa Bar-Andziak<sup>2</sup>, Tomasz Bednarczuk<sup>2</sup>, Monika Buziak-Bereza<sup>1</sup>, Paulina Dumnicka<sup>3</sup>, Anna Fedorowicz<sup>1</sup>, Maria Górská<sup>4</sup>, Małgorzata Krasnodębska<sup>2</sup>, Beata Niedźwiedzka<sup>2</sup>, Dorota Pach<sup>1</sup>, Marek Ruchała<sup>5</sup>, Katarzyna Siewko<sup>4</sup>, Bogdan Solnica<sup>6</sup>, Jerzy Sowiński<sup>5</sup>, Małgorzata Szelachowska<sup>4</sup>, Małgorzata Trofimiuk-Müldner<sup>1</sup>, Katarzyna Wachowiak-Ochmańska<sup>5</sup>, Alicja Hubalewska-Dydejczyk<sup>1</sup>

<sup>1</sup>Chair and Department of Endocrinology, Jagiellonian University, Collegium Medicum, Krakow, Poland

<sup>2</sup>Department of Internal Medicine and Endocrinology, Medical University, Warsaw, Poland

<sup>3</sup>Department of Medical Diagnostics, Jagiellonian University, Collegium Medicum, Krakow, Poland

<sup>4</sup>Department of Endocrinology, Diabetology and Internal Medicine, Medical University, Bialystok, Poland

<sup>5</sup>Department of Endocrinology, Metabolism and Internal Medicine, University of Medical Sciences, Poznan, Poland

<sup>6</sup>Department of Diagnostics, Chair of Clinical Biochemistry, Jagiellonian University, Collegium Medicum, Krakow, Poland

## **P216**

### **IODINE STATUS, THYROID VOLUME AND NODULARITY DURING PREGNANCY**

Aynur Aktaş<sup>1</sup>, Ünsal Aydın<sup>1</sup>, Berna İmge Aydoğan<sup>2</sup>, Kudret Erkenecli<sup>3</sup>, Gönül Koç<sup>1</sup>, Zehra Berberoğlu<sup>1</sup>, Yalçın Aral<sup>1</sup>, Murat Faik Erdoğan<sup>2</sup>

<sup>1</sup>Ankara Education and Research Hospital, Department of Endocrinology and Metabolism Diseases

<sup>2</sup>Ankara University School of Medicine, Department of Endocrinology and Metabolism Diseases

<sup>3</sup>Ankara Zekai Tahir Burak Obstetrics Hospital, Department of Gynecology and Obstetrics

## **P217**

### **THYROID VOLUME AND CALCITONIN LEVELS DURING PREGNANCY**

Michela Perrino<sup>1</sup>, Danila Covelli<sup>1</sup>, Beatrice Vigo<sup>1</sup>, Laura Fugazzola<sup>1</sup>, Guia Vannucchi<sup>1</sup>

<sup>1</sup>Endocrine Unit, Fondazione Ca' Granda Irccs, University of Milan, Italy

## **P218**

### **IN A MILDLY IODINE DEFICIENT PREGNANT POPULATION SERUM TG CONCENTRATION IS A WEAK INDICATOR OF IODINE STATUS**

Eftychia Koukkou<sup>1</sup>, Ioannis Ilias<sup>1</sup>, Irene Mamali<sup>2</sup>, Georgios Adonakis<sup>3</sup>, Stavros Kravaritis<sup>3</sup>, Kostas Markou<sup>0</sup>

<sup>1</sup>Endocrine Department, "Elena Venizelou" Hospital, Athens

<sup>2</sup>Division of Endocrinology, University of Patras Medical School, Patras

<sup>3</sup>Obst and Gyn Clinic, University of Patras Medical Scho

## **P022 CASE REPORTS 2 / E-POSTER TERMINAL 10**

Chair: Milos Zarkovic, Serbia

## **P219**

### **HYALINIZING TRABECULAR TUMOR OF THE THYROID: A CASE REPORT**

Sorina Martin<sup>1</sup>, Minodora Betivoiu<sup>2</sup>, Florin Andrei<sup>3</sup>, Cosmin Giulea<sup>4</sup>, Simona Fica<sup>5</sup>



<sup>1</sup>Elias Hospital, Endocrinology Department; Carol Davila University of Medicine and Pharmacology, Endocrinology Department

<sup>2</sup>Elias Emergency Hospital, Endocrinology Department

<sup>3</sup>Elias Hospital, Pathology Department

<sup>4</sup>Elias Hospital, Surgery Department

<sup>5</sup>Elias Emergency Hospital, Endocrinology Department; Carol Davila University of Medicine and Pharmacology, Endocrinology Department

## **P220**

### **ATYPICAL PRESENTATION OF UNCONTROLLED GRAVES' DISEASE – POSTERIOR REVERSIBLE ENCEPHALOPATHY SYNDROME**

Aileen Grace Salalima - Dela Paz<sup>1</sup>, Christy Yao<sup>1</sup>

<sup>1</sup>The Medical City - Section of Endocrinology and Metabolism

## **P221**

### **THYROID CANCER IN PATIENTS WITH HYPERTHYROIDISM**

Martin Taylor<sup>1</sup>, Anthony Skene<sup>1</sup>, Joan McCutcheon<sup>1</sup>

<sup>1</sup>Royal Bournemouth Hospital, UK

## **P222**

### **REVERSIBLE THYROTOXICOSIS DUE TO DESTRUCTIVE THYROIDITIS AFTER PERCUTANEOUS ETHANOL INJECTION THERAPY (PEIT) IN AN INOPERABLE PATIENT WITH TOXIC ADENOMA AND UNSTABLE ANGINA PECTORIS**

Johannes W Dietrich<sup>1</sup>, APOSTOLOS CHATZITOMARIS<sup>2</sup>, Michael Scheeler<sup>2</sup>, Andreas Muegge<sup>2</sup>, Harald H. Klein<sup>3</sup>, Assem Aweimer<sup>2</sup>

<sup>1</sup>Bergmannsheil University Hospitals; Medical Hospital I; Dept. of Endocrinology & Diabetes

<sup>2</sup>Bergmannsheil University Hospitals

<sup>3</sup>Bergmannsheil University Hospitals Bochum

## **P223**

### **MASSIVE THYROID METHASTASIS FROM LONGSTANDING BREAST CARCINOMA**

Mario Cappagli<sup>0</sup>, Prospero Magistrelli<sup>1</sup>, Paolo Dessanti<sup>2</sup>, Antonella Montepagani<sup>3</sup>, Michele Moroni<sup>4</sup>, Pierfrancesco Bonfanti<sup>5</sup>

<sup>1</sup>Surgery Department S.Andrea Hospital La Spezia

<sup>2</sup>Pathology S.Andrea Hospital La Spezia

<sup>3</sup>Endocrinology S.Andrea Hospital La Spezia

<sup>4</sup>Pathology S.Andrea Hospital la Spezia

<sup>5</sup>Surgery S.Andrea Hospital La Spezia

## **P224**

### **IMMUNOGLOBULIN G4-RELATED ORBITOPATHY MIMICKING GRAVES' ORBITOPATHY**

Erdei Annamaria<sup>1</sup>, Steiber Zita<sup>2</sup>, Ujhelyi Bernadett<sup>2</sup>, Szanto Antonia<sup>3</sup>, Miklós Bodor<sup>4</sup>, Eszter Berta<sup>5</sup>, Annamaria Gazdag<sup>6</sup>, Katko Monika<sup>1</sup>, Nagy Endre<sup>1</sup>

<sup>1</sup>Department of Medicine, Division of Endocrinology, University of Debrecen, Debrecen, Hungary

<sup>2</sup>Department of Ophthalmology, University of Debrecen, Debrecen, Hungary

<sup>3</sup>Department of Medicine, Division of Immunology, University of Debrecen, Debrecen, Hungary

<sup>4</sup>Department of Medicine, Division of Endocrinology, University of Debrecen, Debrecen, Hungary; Division of Clinical Pharmacology, Faculty of Pharmacy, University of Debrecen, Debrecen, Hungary

<sup>5</sup>Division of Endocrinology, Department of Medicine, University of Debrecen, Debrecen, Hungary; Division of Clinical Pharmacology, Faculty of Pharmacy, University of Debrecen, Debrecen, Hungary

<sup>6</sup>Division of Endocrinology, Department of Medicine, University of Debrecen

## **P225**

### **INTERFERON-ALPHA-INDUCED GRAVES' DISEASE IN A PATIENT WITH CHRONIC HEPATITIS C AND PRE-EXISTING AUTOIMMUNE THYROIDITIS**

Pedro Rodrigues<sup>1</sup>, Joana Menezes<sup>1</sup>, Cláudia Nogueira<sup>1</sup>, Davide Carvalho<sup>1</sup>

<sup>1</sup>Endocrinology, Diabetes and Metabolism Department, Centro Hospitalar São João; Faculty of Medicine, Porto University

**P226**

**AGGRESSIVE TREATMENT OF A 51 YEAR OLD PATIENT WITH ANAPLASTIC THYROID CANCER WITH OVER ONE YEAR SURVIVAL**

Lars C Moeller<sup>1</sup>, Vera Tiedje<sup>1</sup>, Saskia Ting<sup>2</sup>, Kurt Werner Schmid<sup>2</sup>, Dagmar Führer-Sakel<sup>1</sup>

<sup>1</sup>Department of Endocrinology and Metabolism; University of Duisburg-Essen

<sup>2</sup>Institute of Pathology; University of Duisburg-Essen

**P227**

**A NOVEL NUCLEAR IMAGING METHODS IN MEDULLARY THYROID CANCER: A CASE REPORT**

Hrvojka Tomic Brzac<sup>1</sup>, Sanja Kusacic Kuna<sup>1</sup>, Gordana Horvatic Herceg<sup>1</sup>, Drazen Huic<sup>1</sup>

<sup>1</sup>Clinical Department of Nuclear Medicine and Radiation Protection, Clinical Hospital Centre Zagreb

**P228**

**ALOPECIA AREATA IN A PATIENT WITH AUTOIMMUNE THYROID DYSFUNCTION**

Joana Oliveira<sup>1</sup>, Pedro Rodrigues<sup>1</sup>, Paula Freitas<sup>2</sup>, Davide Carvalho<sup>2</sup>

<sup>1</sup>Endocrinology, Diabetes and Metabolism Department, Centro Hospitalar São João; Faculty of Medicine, Porto University

<sup>2</sup>Endocrinology, Diabetes and Metabolism Department, Centro Hospitalar São João; Faculty of Medicine, Porto University - Porto

**PO23 GOITER AND NODULES 2 / E-POSTER TERMINAL 11**

Chair: Laurence Du Pasquier-Fediaevsky, France

**P229**

**MINIMALLY INVASIVE OPEN APPROACH WITH HARMONIC SCALPEL FOR THE TREATMENT OF SOLITARY THYROID NODULES IN THE CHILDHOOD**

Rumen Nenkov<sup>1</sup>, Radoslav Radev<sup>1</sup>

<sup>1</sup>Medical University, Varna

**P230**

**THE INDIVIDUALLY TAILORED THYROXINE DOSE AS A TOOL TO UNVEIL OCCULT AUTONOMOUS THYROID FUNCTIONING AREAS**

Maria Giulia Santaguida<sup>1</sup>, Nunzia Brusca<sup>1</sup>, Camilla Virili<sup>1</sup>, Susanna Carlotta Del Duca<sup>1</sup>, Ilenia Gatto<sup>1</sup>, Miriam Cellini<sup>1</sup>, Lucilla Gargano<sup>2</sup>, Marco Centanni<sup>1</sup>

<sup>1</sup>"sapienza" University of Rome Dept of Medico-Surgical Sciences and Biotechnologies Latina

<sup>2</sup>Endocrinology Unit Ausl Latina, Latina

**P231**

**INTRATHYROIDAL ECTOPIC THYMIC TISSUE MIMICKING A THYROID NODULE IN A 4-MONTH-OLD BABY**

Gülay Karagüzel<sup>0</sup>, Aysenur Ökten<sup>1</sup>

<sup>1</sup>Karadeniz Technical University, School of Medicine; Department of Pediatric Endocrinology; Trabzon, Turkey

**P232**

**ULTRASOUND-GUIDED HIGH-INTENSITY FOCUSED ULTRASOUND ABLATION OF NON-FUNCTIONING BENIGN THYROID NODULES – THREE MONTHS OF FOLLOW-UP**

Roussanka Kovatcheva<sup>1</sup>, Jordan Vlahov<sup>2</sup>, Julian Stoinov<sup>3</sup>, Katja Zaletel<sup>4</sup>

<sup>1</sup>University Hospital of Endocrinology, Department of Thyroid and Metabolic Bone Disorders ; Sofia Medical University

<sup>2</sup>University Hospital of Endocrinology, Department of Thyroid and Metabolic Bone Disorders

<sup>3</sup>University Hospital of Endocrinology, Department of Endocrine Surgery; Sofia Medical University

<sup>4</sup>University Medical Centre Ljubljana, Department of Nuclear Medicine

**P233**

**SURGERY IN INTRATHORACIC GOITER**

Yvana Anavy Martínez Mateo<sup>0</sup>, Francisco Juan de Santos Iglesias<sup>1</sup>, Jose Manuel Gonzalez Gonzalez<sup>1</sup>, Guillermo Jesus Vaquero Gajate<sup>1</sup>, Leyre Rodrigo Hernanz<sup>1</sup>

<sup>1</sup>*Hospital San Pedro de Alcantara*

**P234**

**EFFECTS OF GH REPLACEMENT THERAPY ON THYROID VOLUME AND NODULES DEVELOPMENT IN GROWTH HORMONE DEFICIENT ADULTS**

Lorenzo Curtò<sup>1</sup>, Salvatore Giovinazzo<sup>1</sup>, Angela Alibrandi<sup>2</sup>, Francesco Trimarchi<sup>1</sup>, Rosaria Ruggeri<sup>0</sup>

<sup>1</sup>*Endocrinology Unit, University of Messina*

<sup>2</sup>*Department of Statistical Sciences*

**P235**

**INTRATHYROID LOCATION OF PARATHYROID GLAND: A SIGNIFICANT CAUSE OF INADVERTENT PARATHYROIDECTOMY DURING THYROID SURGERY?**

Nick Michalopoulos<sup>1</sup>, Efterpi Margaritidou<sup>2</sup>, Theodosis Papavramidis<sup>1</sup>, Ioannis Kanellos<sup>1</sup>, Kalliopi Pazaitou- Panayiotou<sup>2</sup>

<sup>1</sup>*Ahepa Hospital*; <sup>2</sup>*Theagenio Cancer Hospital*

**P236**

**RESULTS OF RADIOIODINE TREATMENT IN PATIENTS WITH GOITER MULTINODULAR AND TOXIC ADENOMA.**

Concepción Muñoz Jiménez<sup>0</sup>, M<sup>a</sup> Rosa Alhambra Expósito<sup>1</sup>, Rodrigo Bahamondes Opazo<sup>1</sup>, M<sup>a</sup> Ángeles Gálvez Moreno<sup>1</sup>, Inmaculada Prior Sánchez<sup>1</sup>, Aura Herrera Martínez<sup>1</sup>

<sup>1</sup>*Servicio Andaluz de Salud*

**P237**

**ROLE OF US-GUIDED THIN CORE NEEDLE BIOPSY FOR CYTOLOGICALLY INDETERMINATE THYROID NODULES. A CONTROLLED PROSPECTIVE TRIAL.**

Enrico Papini<sup>1</sup>, Giancarlo Bizzarri<sup>2</sup>, Irene Misischi<sup>1</sup>, Palma Specchia<sup>3</sup>, Antonio Bianchini<sup>4</sup>, Rinaldo Guglielmi<sup>1</sup>, Filomena Graziano<sup>1</sup>, Luca Turrini<sup>5</sup>, Silvia Taccogna<sup>5</sup>

<sup>1</sup>*Department of Endocrinology, Regina Apostolorum Hospital, Albano Laziale, Rome, Italy*

<sup>2</sup>*Department of Diagnostic of Imaging, Regina Apostolorum Hospital, Albano Laziale, Rome*

<sup>3</sup>*Sapienza University of Rome, Rome, Italy*

<sup>4</sup>*Department of Diagnostic of Imaging, Regina Apostolorum Hospital, Albano Laziale, Rome, Italy*

<sup>5</sup>*Section of Pathology, Ospedale Regina Apostolorum, Albano Laziale Rome, Italy*

**P238**

**SMALL NODULAR LESIONS OF THE THYROID GLAND IN CHILDREN: CONSIDER AN ECTOPIC THYMUS**

Natallia Akulevich<sup>1</sup>, Yulia Makarava<sup>2</sup>, Julia Boiko<sup>2</sup>, Irina Khmara<sup>2</sup>

<sup>1</sup>*State Center for Medical Rehabilitation, Minsk, Belarus; The Institute of Physiology of the National Academy of Sciences of Belarus*

<sup>2</sup>*State Center for Medical Rehabilitation, Minsk, Belarus*