



European Thyroid Association  
**38th Annual Meeting**  
Santiago de Compostela, SPAIN | 6-10 September 2014

## Poster Sessions Sunday

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### *PO1 GRAVES' ORBITOPATHY / E-POSTER TERMINAL 1*

*Chair: Alessandro Antonelli, Italy*

#### **P01**

#### **DEMOGRAPHIC, CLINICAL, SEROLOGICAL AND QUALITY OF LIFE DATA OF 100 CONSECUTIVE EUTHYROID PATIENTS WITH SEVERE THYROID EYE DISEASE**

Elena Kampmann<sup>1</sup>, Susanne Pitz<sup>1</sup>, Julia Rosbach<sup>1</sup>, George J. Kahaly<sup>1</sup>

<sup>1</sup>Johannes Gutenberg University Medical Center, Mainz, Germany

#### **P02**

#### **PROSPECTIVELY RECORDED SAFETY DATA OF INTRAVENOUS METHYLPREDNISOLONE THERAPY IN GRAVES' ORBITOPATHY**

Michaela Riedl<sup>1</sup>, Elena Kampmann<sup>1</sup>, Elisa Kolbe<sup>1</sup>, Miriam Lehmann<sup>1</sup>, Alexander Pirkl<sup>1</sup>, George J. Kahaly<sup>2</sup>

<sup>1</sup>Johannes Gutenberg University Medical Center, Dept. of Medicine I, Mainz, Germany

#### **P03**

#### **STEROID THERAPY IN GRAVES' ORBITOPATHY: COMPARISON OF THE EFFICACY AND SAFETY OF TWO DIFFERENT PROTOCOLS - PARENTERAL VS COMBINED PARENTERAL AND ORAL**

Biljana Beleslin<sup>1</sup>, Jasmina Ciric<sup>2</sup>, Milos Zarkovic<sup>2</sup>, Mirjana Stojkovic<sup>3</sup>, Slavica Savic<sup>3</sup>, Slavica Ciric<sup>3</sup>, Tijana Lalic<sup>3</sup>, Miroslav Knezevic<sup>4</sup>, Bozo Trbojevic<sup>5</sup>

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<sup>5</sup>Clinic of Endocrinology, Diabetes and Metabolic Diseases, Clinical Center of Serbia; Medical School, University of Belgrade

#### **P04**

#### **PREVALENCE OF ACUTE LIVER DAMAGE DURING OR FOLLOWING INTRAVENOUS GLUCOCORTICOID TREATMENT FOR GRAVES' OPHTHALMOPATHY: RESULTS OF AN EPIDEMIOLOGICAL STUDY**

Eleonora Sisti<sup>1</sup>, Eleonora Albano<sup>1</sup>, Marenza Leo<sup>1</sup>, Francesca Menconi<sup>1</sup>, Barbara Mazzi<sup>1</sup>, Francesco Latrofa<sup>1</sup>, Roberto Rocchi<sup>1</sup>, Paolo Vitti<sup>1</sup>, Claudio Marcocci<sup>1</sup>, Michele Marinò<sup>1</sup>

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

## **P05**

### **LOW DOSE OF RITUXIMAB FOR CORTICOSTEROID-RESISTANT GRAVES' ORBITOPATHY**

Laurence Du Pasquier Fediaevsky<sup>1</sup>, Sebastien Riviere<sup>2</sup>, Michel Berche<sup>1</sup>, Michel Tazartes<sup>1</sup>, Laurence Leenhardt<sup>3</sup>, Emmanuel Héron<sup>1</sup>

<sup>1</sup>Centre Hospitalier National D'ophtalmologie des XV XX

<sup>2</sup>Hopital Saint-Antoine

<sup>3</sup>Groupe Hospitalier Pitié Salpêtrière

## **P06**

### **ADJUVANT TREATMENT OF GRAVES' DISEASE WITH DICLOFENAC – EFFECTS ON OPHTHALMOPATHY, ANTI-TPO TITERS AND SAFETY**

Mikael Lantz<sup>1</sup>, Jan Calissendorff<sup>2</sup>, Frank Träisk<sup>3</sup>, Leif Tallstedt<sup>4</sup>, Tereza Planck<sup>1</sup>, Ove Törring<sup>2</sup>, Bengt Hallengren<sup>1</sup>, Peter Åsman<sup>5</sup>

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<sup>3</sup>Department of Clinical Neurosciences, St Erik Eye Hospital

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<sup>5</sup>Department of Ophthalmology, Skåne University Hospital

## **P07**

### **PROTECTIVE EFFECTS OF SELENIUM ON CELL VITALITY IN ORBITAL FIBROBLASTS FROM PATIENTS WITH GRAVES' OPHTHALMOPATHY**

Giovanna Rotondo Dottore<sup>1</sup>, Eleonora Sisti<sup>1</sup>, Marenza Leo<sup>1</sup>, Eleonora Albano<sup>1</sup>, Francesca Menconi<sup>1</sup>, Roberto Rocchi<sup>1</sup>, Paolo Vitti<sup>1</sup>, Michele Marinò<sup>2</sup>, Giamberto Casini<sup>3</sup>, Claudio Marcocci<sup>1</sup>

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<sup>3</sup>Ophthalmology Unit, University of Pisa

## **P08**

### **IFN- A, -B, AND -Γ MODULATE CXCL8 CHEMOKINE SECRETION IN PRIMARY CULTURES OF THYROCYTES IN GRAVES' DISEASE AND IN PRIMARY FIBROBLASTS OR PREADIPOCYTES FROM GRAVES' OPHTHALMOPATHY.**

Silvia Martina Ferrari<sup>1</sup>, Poupak Fallahi<sup>1</sup>, Stefano Sellari Franceschini<sup>1</sup>, Alessandro Antonelli<sup>0</sup>

<sup>1</sup>University of Pisa

## **P09**

### **CELL DENSITY DEPENDENT PAI-1 EXPRESSION IN ORBITAL FIBROBLASTS**

Erika Galgoczi<sup>1</sup>, Florence Jeney<sup>1</sup>, Annamaria Gazdag<sup>1</sup>, Zita Steiber<sup>2</sup>, Bernadett Ujhelyi<sup>2</sup>, Ferenc Györy<sup>3</sup>, Mónika Katkó<sup>1</sup>, Endre V. Nagy<sup>1</sup>

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

<sup>3</sup>Department of Surgery, University of Debrecen

## **P10**

### **ROLE OF ORBITAL FIBROBLASTS FOR PATHOLOGICAL VASCULARIZATION IN GRAVES' ORBITOPATHY CAUSED BY INDUCTION OF HYPOXIA-DEPENDENT SIGNALING**

Gina-Eva Görtz<sup>1</sup>, Mareike Horstmann<sup>1</sup>, Buena Delos Reyes<sup>2</sup>, Klaus-Peter Steuhl<sup>1</sup>, Joachim Fandrey<sup>2</sup>, Anja Eckstein<sup>3</sup>, Utta Berchner-Pfannschmidt<sup>1</sup>

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<sup>2</sup>Institute for Physiology, University Hospital Essen

<sup>3</sup>Universität Essen; Augenklinik; Abteilung Für Erkrankungen des Vorderen Augenabschnittes, Orthoptik

### **P11**

#### **ALL GRAVES' PATIENTS HAVE ACTIVITY SIGNS IN THE ORBITS IN EARLY STAGE OF GD IRRESPECTIVE OF DEVELOPMENT OR LACK OF GRAVES' ORBITOPATHY DURING A ONE YEAR FOLLOW-UP**

Eszter Berta<sup>1</sup>, Miklós Bodor<sup>2</sup>, Lajos Szabados<sup>3</sup>, László Galuska<sup>3</sup>, Erdei Annamaria<sup>4</sup>, Annamária Gazdag<sup>5</sup>, Bernadett Ujhelyi<sup>6</sup>, Endre Nagy V<sup>5</sup>

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<sup>6</sup>Department of Ophthalmology, University of Debrecen, Debrecen, Hungary

### **P12**

#### **TIMELY RADIOIODINE THERAPY IS A SAFE AND ADVANTAGEOUS TREATMENT OF PATIENTS WITH MODERATE-TO-SEVERE GRAVES' ORBITOPATHY**

Edvard Pirnat<sup>1</sup>, Simona Gaberšček<sup>2</sup>, Daša Šfiligoj<sup>1</sup>, Polona Jaki Mekjavic<sup>3</sup>, Katja Zaletel<sup>1</sup>, Sergej Hojker<sup>2</sup>

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### **PO2 CARDIOVASCULAR EFFECTS / E-POSTER TERMINAL 2**

*Chair: Warner Simonides, The Netherlands*

### **P13**

#### **THYROID HORMONE (TH) REDUCED HEART SIRTUIN1 (SIRT1) PROTEIN EXPRESSION, BUT RESVERATROL ADMINISTRATION COULD NOT PREVENT THE TH-INDUCED HEART PHENOTYPE**

Aline Cordeiro<sup>1</sup>, Lorraine Soares Oliveira<sup>1</sup>, Luana Lopes Souza<sup>1</sup>, Gúinever Império<sup>1</sup>, Norma Almeida<sup>2</sup>, Carmen Cabanelas Pazos-Moura<sup>1</sup>

<sup>1</sup>Federal University of Rio de Janeiro

<sup>2</sup>Federal Rural University of Rio de Janeiro

### **P14**

#### **IMPACT OF DRONEDARONE ON THE MYOCARDIAL REMODELING IN EXPERIMENTAL HYPERTHYROID CARDIOMYOPATHY**

Bo Hyun Kim<sup>1</sup>, Kyoung IM Cho<sup>2</sup>, Kang Hee Ahn<sup>1</sup>, Yoon Jeong Nam<sup>1</sup>, Jong Ho Kim<sup>1</sup>, Soo Bin Park<sup>1</sup>, Won Jin Kim<sup>1</sup>, Yun Kyung Jeon<sup>1</sup>, Sang Soo Kim<sup>1</sup>, In Joo Kim<sup>1</sup>

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

<sup>2</sup>Cardiovascular Research Institute, Department of Internal Medicine, Kosin University College of Medicine

### **P15**

#### **HYPOTHYROIDISM IS ASSOCIATED WITH RETINAL ARTERIOLAR NARROWING IN THE GENERAL POPULATION**

Till Ittermann<sup>1</sup>, Marcus Dörr<sup>2</sup>, Henry Völzke<sup>2</sup>, Frank Tost<sup>2</sup>, Clemens Jürgens<sup>2</sup>

<sup>1</sup>University Medicine Greifswald; Institut Für Community Medicine - Ship/Klinisch-Epidemiologische Forschung

<sup>2</sup>University Medicine Greifswald

## **P16**

### **DEMONSTRATION OF NEW FUNCTIONAL EFFECTS OF T1AM**

Juliane Dinter<sup>1</sup>, Jessica Mühlhaus<sup>2</sup>, Carolin Leonie Piechowski<sup>3</sup>, Maxi Cöster<sup>4</sup>, Gunnar Kleinau<sup>3</sup>, Josef Köhrle<sup>5</sup>, Annette Grütters<sup>3</sup>, Heiko Krude<sup>3</sup>, Torsten Schöneberg<sup>4</sup>, Heike Biebermann<sup>3</sup>

<sup>1</sup>Charité Universitätsmedizin Berlin Campus Virchow; Institute of Experimental Pediatric Endocrinology

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<sup>5</sup>Charité - Universitätsmedizin Berlin Campus Virchow; Institute of Experimental Endocrinology

## **P17**

### **T3-INDUCED CARDIAC HYPERTROPHY DEPENDS ON FUNCTIONAL THYROID RECEPTOR B THAT REGULATES MIR-208A EXPRESSION**

Güinever Império<sup>1</sup>, Letícia Santiago<sup>1</sup>, Isalira Ramos<sup>1</sup>, Guilherme Pereira<sup>1</sup>, Norma Almeida<sup>2</sup>, Cesar Fuziwara<sup>3</sup>, Edna Kimura<sup>3</sup>, Emerson Olivares<sup>2</sup>, Tania Ortiga<sup>1</sup>

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## **PO3 THYROID AND ENVIRONMENT 1 / E-POSTER TERMINAL 3**

*Chair: Endre Nagy, Hungary*

## **P18**

### **PARITY AND 11-YEAR SERUM TSH AND THYROID AUTOANTIBODY CHANGE: A LONGITUDINAL POPULATION-BASED STUDY**

Lena Bjergved<sup>1</sup>, Allan Carlé<sup>2</sup>, Torben Jørgensen<sup>3</sup>, Hans Perrild<sup>4</sup>, Peter Laurberg<sup>5</sup>, Anne Krejbjerg<sup>2</sup>, Lars Ovesen<sup>6</sup>, Inge Bülow Pedersen<sup>2</sup>, Lone Banke Rasmussen<sup>7</sup>, Nils Knudsen<sup>4</sup>

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<sup>7</sup>Department of Nutrition, National Food Institute, Technical University of Denmark, Søborg

## **P19**

### **DOES INTRAPARTUM OR NEONATAL USE OF TOPICAL IODINE OR IODINATED CONTRAST MEDIA AFFECT THYROID FUNCTION OF PRETERM INFANTS? A PILOT STUDY.**

Fiona Williams<sup>1</sup>, Anita Boelen<sup>2</sup>, Elena Velten<sup>3</sup>, Chris Day<sup>4</sup>, Aung Soe<sup>5</sup>, Sateesh Somisetty<sup>6</sup>

<sup>1</sup>University of Dundee

<sup>2</sup>Academic Medical Centre

<sup>3</sup>Ninewells Hospital and Medical School

<sup>4</sup>Bradford Teaching Hospitals NHS Foundation Trust

<sup>5</sup>Medway Maritime Hospital

<sup>6</sup>Luton & Dunstable Hospital NHS Foundation Trust

## P20

### IS MEASUREMENT OF IODINE CONCENTRATION CONSISTENTLY RELIABLE TO ASSESS IODINE STATUS?

Simone Johner<sup>1</sup>, Michael Thamm<sup>2</sup>, Roma Schmitz<sup>2</sup>, Thomas Remer<sup>1</sup>

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<sup>2</sup>Central Epidemiology Laboratory, Department of Epidemiology and Health Reporting, Robert Koch Institute, Berlin

## P21

### PREPUBERTAL BISPHENOL A EXPOSURE IN RATS SHOWS A THYROID HORMONE ANTAGONIST ACTION ON HYPOTHALAMUS-PITUITARY-THYROID AXIS

Marina ML Kizys<sup>1</sup>, Kellen C Oliveira<sup>1</sup>, Renata M Romano<sup>1</sup>, Gisele Giannocco<sup>2</sup>, Rui Maciel<sup>3</sup>, Magnus R Dias-da-Silva<sup>1</sup>, Marco A Romano<sup>4</sup>, Maria Chiamolera<sup>1</sup>

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<sup>3</sup>Universidade Federal de Sao Paulo

<sup>4</sup>Universidade Estadual Do Centro-Oeste Do Paraná – Unicentro

## P22 (will be presented on Monday in Session PO16)

### 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

## P23

### THYROID DYSFUNCTION AND ULTRASONOGRAPHY FEATURES IN PATIENTS WITH METASTATIC RENAL CELL CARCINOMA TREATED WITH TYROSINE KINASE INHIBITORS. PRELIMINARY RESULTS FROM A PROSPECTIVE COHORT STUDY.

Fabiana Pani<sup>1</sup>, Germana Baghino<sup>1</sup>, Francesco Boi<sup>1</sup>, Valentina Moleda<sup>1</sup>, Francesco Atzori<sup>2</sup>, Clelia Madeddu<sup>2</sup>, Maria Teresa Ionta<sup>2</sup>, Stefano Mariotti<sup>1</sup>

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## P24

### USE OF THYROID MEDICATION AFTER INTRODUCTION OF THE DANISH IODINE FORTIFICATION PROGRAMME IN YEAR 2000

Betina Thuesen<sup>1</sup>, Charlotte Cerqueira<sup>1</sup>, Nils Knudsen<sup>2</sup>, Lars Ovesen<sup>3</sup>, Peter Laurberg<sup>4</sup>, Hans Perrild<sup>2</sup>, Lone Banke Rasmussen<sup>5</sup>, Torben Jørgensen<sup>6</sup>

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## P25

### IODINE INTAKE IN COASTAL V INLAND COMMUNITIES - A ROLE FOR SEAWEED ?

Peter Smyth<sup>1</sup>, Robert Burns<sup>1</sup>, Michael Casey<sup>2</sup>, Karen Mullan<sup>3</sup>, Maria Andersson<sup>4</sup>, Suzanne Dold<sup>4</sup>, Ru Jin Huang<sup>5</sup>, Colin O'Dowd<sup>2</sup>

<sup>1</sup>Ucd; <sup>2</sup>Nui(G); <sup>3</sup>Queens University, Belfast; <sup>4</sup>Eth, Zurich; <sup>5</sup>Nui (G)

## **PO4 THYROID IN REPRODUCTION AND DEVELOPMENT 1 / E-POSTER TERMINAL 4**

*Chair: Bijay Vaidya, United Kingdom*

### **P26**

#### **THYROID AUTOIMMUNITY IN WOMEN WITH THYROID DYSFUNCTION DURING THE POSTPARTUM**

Boyan Nonchev<sup>1</sup>, Antoaneta Argatska<sup>2</sup>, Delyana Davcheva<sup>3</sup>, Maria Orbetzova<sup>2</sup>, Blagovest Pehlivanov<sup>4</sup>, Nikolai Raikov<sup>5</sup>

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<sup>4</sup>Medical University - Plovdiv, Clinic of Obstetrics and Gynecology

<sup>5</sup>Medical Center Plus

### **P27**

#### **PROLONGED GESTATIONAL THYROTOXICOSIS IN TWO WOMEN WITH NOVEL TSH RECEPTOR VARIANTS**

Chiho Sugisawa<sup>1</sup>, Kiyomi Abe<sup>2</sup>, Naoko Momotani<sup>3</sup>, Yukako Inoue<sup>3</sup>, Kei Endo<sup>4</sup>, Satoshi Narumi<sup>2</sup>, Matsuo Taniyama<sup>4</sup>

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<sup>4</sup>Division of Endocrinology & Metabolism; Department of Internal Medicine; Showa University Fujigaoka Hospital, Yokohama, Kanagawa

### **P28**

#### **SONOGRAPHIC (US) SCREENING FOR SECOND PRIMARY THYROID CANCER FOLLOWING BREAST CANCER IN THE KOREAN FEMALES**

Kyoonsoon Jung<sup>1</sup>, Jin Hee Moon<sup>1</sup>, Joo Yeon Cheung<sup>1</sup>, Kwan Seop Lee<sup>1</sup>

<sup>1</sup>Diagnostic Radiology, Hallym University Sacred Heart Hospital

### **P29**

#### **EFFECTIVENESS OF IODINE PROPHYLAXIS IN PREGNANT, LACTATING MOTHERS AND INFANTS IN MILD IODINE DEFICIENCY REGION**

Natalya Belykh<sup>1</sup>, Marina Mamenko<sup>1</sup>, Nikolay Kovalenko<sup>2</sup>, Nadezhda Minyaylo<sup>3</sup>, Natalya Plugatarenko<sup>4</sup>

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

<sup>2</sup>Pervomays Obstetrics Hospital

<sup>3</sup>Krasnodon Obstetrics Hospital

<sup>4</sup>Lugansk City Health Department

### **P30**

#### **NEONATAL THYROID-STIMULATING HORMONE SCREENING AS AN INDIRECT METHOD FOR THE ASSESSMENT OF IODINE DEFICIENCY IN CENTRAL SIBERIA**

Irina Osokina<sup>1</sup>, Darya Osokina<sup>2</sup>

<sup>1</sup>Institute of Medical Studies of the North, ; Siberian Federal University

<sup>2</sup>Institute of Medical Studies of the North,

### **P31**

#### **IODINE DEFICIENCY AMONG PREGNANT WOMEN IN LATVIA: A NATIONAL CROSS-SECTIONAL SURVEY**

Ilze Konrade<sup>1</sup>, Ieva Kalere<sup>1</sup>, Ieva Strele<sup>1</sup>, Anna Jekabsons<sup>1</sup>, Marina Makrečka<sup>2</sup>, Rudolfs Mezhapūke<sup>3</sup>, Elina Tetere<sup>1</sup>, Vija Veisa<sup>1</sup>, Didzis Gavars<sup>4</sup>, Dace Rezeberga<sup>1</sup>, Valdis Pirags<sup>5</sup>, Kristīne Ducena<sup>5</sup>, Aivars Lejnīeks<sup>1</sup>, Maija Dambrova<sup>2</sup>

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<sup>3</sup>Latvian Institute of Organic Synthesis

<sup>4</sup>E. Gulbis Laboratory

<sup>5</sup>University of Latvia

### **P32**

#### **MATERNAL THYROID FUNCTION AND AUTO-IMMUNITY IN THREE TRIMESTERS OF PREGNANCY AND THEIR OFFSPRINGS' THYROID FUNCTION**

Peimaneh Sarkheil<sup>1</sup>, Ladan Mehran<sup>1</sup>, Sahar Askari<sup>1</sup>, Zhale Tahmasebinejad<sup>1</sup>, Sormeh Nourbakhsh<sup>1</sup>, Maryam Tohidi<sup>2</sup>, Fereidoun Azizi<sup>1</sup>

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<sup>2</sup>Prevention of Metabolic Disorders Research Center, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, I. R. Iran

### **P33**

#### **THYROID HORMONE PROFILES AND UIE DURING PREGNANCY; A LONGITUDINAL STUDY OF A SEGMENT OF INDIAN POPULATION**

Nikku Yadav<sup>1</sup>, Atul Kathait<sup>1</sup>, Vineet Sharma<sup>1</sup>, Asha Chandola-Saklani<sup>1</sup>

<sup>1</sup>Centre for Biosciences and Clinical Research, School of Biosciences, Apeejay Stya University

### **P34**

#### **TSH VALUES IN PREGNANT WOMEN FROM A POPULATION WITH NORMAL IODINE INTAKE**

Mihaela Simescu<sup>1</sup>, Emilia Nicolaescu<sup>1</sup>, Claudia Podia Igna<sup>2</sup>, Mihai Varcui<sup>3</sup>, Georgeta Hazi<sup>4</sup>, Cristina Mambet<sup>5</sup>

<sup>1</sup>Sc Simedis Consult Srl

<sup>2</sup>Astra Clinic

<sup>3</sup>Clinical Emergency Hospital Brasov

<sup>4</sup>Clinical Emergency Hospital Cluj Napoca

<sup>5</sup>Synevo

### **P35**

#### **RISK FACTORS FOR DEVELOPMENT OF POSTPARTUM THYROID DYSFUNCTION**

Antoaneta Argatska<sup>1</sup>, Boyan Nonchev<sup>1</sup>, Delyana Davcheva<sup>2</sup>, Blagovest Pehlivanov<sup>3</sup>, Maria Orbetzova<sup>1</sup>

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<sup>3</sup>Medical University of Plovdiv, Clinic of Obstetrics and Gynaecology

### **P36**

#### **LEVOTIROXINE TREATMENT IN THYROID ANTIBODY NEGATIVE WOMEN WITH TSH LEVELS BETWEEN 2.5 AND 5.0 IN THE FIRST TRIMESTER OF PREGNANCY**

Paloma Iglesias<sup>1</sup>, Amalia Paniagua<sup>1</sup>, Laura Bartolome<sup>1</sup>, Maria Blanca<sup>1</sup>, Sonsoles Gutierrez<sup>1</sup>

<sup>1</sup>Hospital Rey Juan Carlos

## ***P05 THYROID FUNCTION AND DEVELOPMENT / E-POSTER TERMINAL 5***

*Chair: Luca Persani, Italy*

**P37**

### **THE HINGE REGION OF GLYCOPROTEIN HORMONE RECEPTORS IS INFLUENCED BY ITS ADJACENT DOMAINS PARTICULARLY THE TRANSMEMBRANE DOMAIN**

Joerg Schaarschmidt<sup>1</sup>, Sandra Huth<sup>1</sup>, Rene Meier<sup>2</sup>, Ralf Paschke<sup>1</sup>, Holger Jaeschke<sup>1</sup>

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<sup>2</sup>University of Leipzig; Institute of Biochemistry

**P38**

### **IN VIVO REGULATION OF DUOX1/DUOX1A1 EXPRESSION IN THE THYROID OF A NOVEL TRANSGENIC MOUSE OVEREXPRESSING INTERLEUKIN-4**

Eskalli Zineb<sup>1</sup>, Françoise Miot<sup>1</sup>, De Deken Xavier<sup>1</sup>

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**P39**

### **A NEW CANDIDATE PROTEIN FOR THE FUNCTION OF THE APICAL THYROCYTE IODIDE CHANNEL**

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**P40**

### **ROLE OF FOXE1 IN THE REGULATION OF EMT GENES IN THYROID EPITHELIAL CELLS**

Lara P Fernandez<sup>1</sup>, Pilar Santisteban<sup>1</sup>

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**P41**

### **EMBRYONIC BASEMENT MEMBRANES GUIDE POSITIONING OF C CELL PRECURSORS AND MATURE C CELLS IN THE DEVELOPING MOUSE THYROID**

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**P42**

### **STUDY OF PENDRIN EFFECT IN CELL PROLIFERATION**

Joana Rodrigues<sup>1</sup>, Maria del Carmen Suarez<sup>1</sup>, Angela Rodriguez García-Rendueles<sup>1</sup>, Sihara Perez<sup>1</sup>, , Laura Fugazzola<sup>2</sup>, José Cameselle-Teijeiro<sup>3</sup>, Clara Alvarez Villamarín<sup>1</sup>

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**P43**

### **A GLUCOSE-REGULATED PROTEIN MODULATES THYROTROPIN RECEPTOR SIGNALING**

Jana Fischer<sup>1</sup>, Anne Müller<sup>1</sup>, Heiko Krude<sup>1</sup>, Annette Grüters<sup>1</sup>, Gunnar Kleinau<sup>1</sup>, Heike Biebermann<sup>1</sup>

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**P44**

**STRUCTURAL AND FUNCTIONAL CHARACTERIZATION OF A NOVEL THYROID-SPECIFIC LONG NON-CODING RNA**

Barbara D'Andrea<sup>1,3</sup>, Angela Pascarella<sup>1</sup>, Miriane De Oliveira<sup>1</sup>, Sara Credendino<sup>1</sup>, Elena Amendola<sup>1</sup>, Pina Marotta<sup>2</sup>, Paolo Sordino<sup>3</sup>, Rosa Maria Sepe<sup>3</sup>, Marzia Scarfò<sup>2</sup>, Roberto Di Lauro<sup>1</sup>, Gabriella De Vita<sup>1</sup>

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***PO6 HYPOTHYROIDISM / E-POSTER TERMINAL 6***

*Chair: Patrice Rodien, France*

**P45**

**QUALITY OF LIFE AND EMOTIONAL STATUS OF PATIENTS AFTER RADICAL TREATMENT**

Alexander Dreval<sup>1</sup>, Timur Britvin<sup>2</sup>, Olga Nechaeva<sup>3</sup>, Tamara Mamedova<sup>0</sup>, Tatyana Shestakova<sup>3</sup>, Irina Komerdous<sup>3</sup>, Irina Chikh<sup>3</sup>

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**P46**

**EFFECT OF TEMPERATURE ON THE STABILITY OF TSH ON DRIED BLOOD SPOT COLLECTED ON FILTER PAPER**

Patrícia Magalhães<sup>1</sup>, Carlos Miranda<sup>1</sup>, Fernando Villar<sup>1</sup>, Ludmilla Cardoso<sup>1</sup>, Andre Schmidt<sup>1</sup>, Roberta Rodrigues<sup>1</sup>, Lea Maciel<sup>1</sup>

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**P47**

**PATIENTS WITH ATROPHIC GASTRITIS WHO RECEIVED L-T4 IN TABLET FORMULATION AFTER SWITCHING TO AN ORAL LIQUID FORMULATION: REVERSIBLE NORMALISATION OF SERUM TSH LEVELS.**

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

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**P48**

**HYPOTHYROIDISM, CENTRAL OBESITY AND METABOLIC SYNDROME: CORRELATIONS BETWEEN THYROID STIMULATING HORMONE, ADIPOCYTOKINES AND INDICES OF INSULIN RESISTANCE**

Bojan Lozanov<sup>1</sup>, Radka Argirova<sup>1</sup>, Lachezar Lozanov<sup>2</sup>, Vesselina Koleva<sup>1</sup>, Mira Vankova<sup>1</sup>, Desislava Gorcheva<sup>1</sup>, Radoslav Petrov<sup>1</sup>, Boyka Kostova<sup>1</sup>, Mircho Vukov<sup>1</sup>

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**P49**

**COMPARISON BETWEEN DIRECT IMMUNOASSAY AND TANDEM MASS SPECTROMETRY IN FREE T4 MEASUREMENT FOR THE EVALUATION OF PATIENTS WITH CENTRAL HYPOTHYROIDISM**

Ruth Percik<sup>1</sup>, Offie Soldin<sup>2</sup>, Aharon Lubetzky<sup>3</sup>, Jacob Ilany<sup>1</sup>, David Olchovsky<sup>4</sup>

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## **P50**

### **UNDIAGNOSED SUBCLINICAL AND CLINICAL HYPOTHYROIDISM IN TYPE 1 DIABETES PATIENTS.**

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## **P51**

### **PATIENT CHARACTERISTICS IN SUBCLINICAL HYPOTHYREOSIS**

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## **P52**

### **THE FREQUENCY OF HYPOTHYROIDISM IN SUBJECTS WITH METABOLIC SYNDROME, DIABETES, ARTERIAL HYPERTENSION, HYPERCHOLESTEROLEMIA, VITAMIN D DEFICIENCY**

Anna-Maria Borissova<sup>1</sup>, Alexander Shinkov<sup>1</sup>, Jordan Vlahov<sup>1</sup>, Lilia Dakovska<sup>1</sup>, Lidia Kassabova<sup>2</sup>, Dobrin Svinarov<sup>2</sup>

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<sup>2</sup>*Medical University of Sofia, University Hospital "alexandrovka"*

## **P53**

### **PERIOPERATIVE MANagements PITFALLS OF PATIENTS WITH HYPOTHYROIDISM**

Richard Parkhimovich<sup>1</sup>, Irina Chikh<sup>1</sup>, Tamara Mamedova<sup>0</sup>

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## **P54**

### **REGULATION OF NR4A IN WHITE ADIPOSE TISSUE BY DIFFERENT PHYSIOLOGICAL STATES AS HYPOTHYROIDISM**

Sonia Pérez<sup>0</sup>, Miguel López<sup>1</sup>, Rubén Nogueiras<sup>1</sup>, Sulay Tovar<sup>1</sup>

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## ***PO7 THYROID CANCER DIAGNOSTICS 1 / E-POSTER TERMINAL 7***

*Chair: Roussanka Kovatcheva, Bulgaria*

## **P55**

### **CORE NEEDLE BIOPSY IS MORE USEFUL FOR MANAGEMENT DECISION THAN REPEAT FINE-NEEDLE ASPIRATION CYTOLOGY IN BOTH SUBCATEGORIES OF AUS/FLUS THYROID NODULES**

DONGGYU NA<sup>1</sup>, Hye Sook Min<sup>2</sup>, HUNKYUNG LEE<sup>3</sup>, HYO BIN SEO<sup>4</sup>, JI-HOON KIM<sup>2</sup>, YEOKYU YOUN<sup>2</sup>

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<sup>3</sup>*Ewha Clinical Laboratory*

<sup>4</sup>*Healthcare Research Institute, Seoul National University Hospital Healthcare System Gangnam Center*

## **P56**

### **MRI AND ULTRASONOGRAPHY DETECTION OF CERVICAL LYMPH NODE METASTASES IN DIFFERENTIATED THYROID CARCINOMA BEFORE REOPERATION**

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**P57**

**FOLLICULAR THYROID NEOPLASMS ON FNA REQUIRING SURGERY AND THE FINAL PATHOLOGY: IS FOLLICULAR THYROID CANCER THE REAL THREAT?**

Ron Pery<sup>1</sup>, Gil Har-Zahav<sup>1</sup>, Esther Shabtai<sup>2</sup>, Mordechai Guttman<sup>1</sup>, Moshe Shabtai<sup>3</sup>

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**P58**

**DESCRIPTIVE STUDY OF OVER 1,800 PATIENTS WITH DIFFERENTIATED THYROID CARCINOMA TREATED IN THE PERIOD 1998-2012 IN 11 HOSPITALS IN CATALONIA**

Zafon Carles<sup>1</sup>, Manel Puig-Domingo<sup>2</sup>, Dídac Mauricio<sup>2</sup>

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<sup>2</sup>*Hospital Germans Trias I Pujol; on Behalf of the Consortium for the Study of Thyroid Cancer (Cecat)*

**P59**

**WHY IS MORE PAPILLARY THYROID CANCER (PTC) AND LESS FOLLICULAR THYROID CANCER (FTC) DIAGNOSED IN ONE REGION COMPARED WITH NEIGHBOURING REGIONS IN ENGLAND?**

Robert Goldspring<sup>1</sup>, Georgina Gerrard<sup>2</sup>, Sarah Lawton<sup>2</sup>, Lavanya Mariappan<sup>2</sup>, Brinda Sethugavalar<sup>2</sup>, Preetha Chengot<sup>1</sup>

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**P60**

**INTRA- AND INTER OBSERVATORY VARIATION OF THYROID SHEAR WAVE ELASTOGRAPHY - A VARIABILITY STUDY**

Kristine Rubeck<sup>1</sup>, Steen Bonnema<sup>2</sup>, Marie Louise Jespersen<sup>3</sup>, Peer Christiansen<sup>4</sup>, Viveque Nielsen<sup>1</sup>

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**P61**

**CLINICAL UTILITY AND COST EFFECTIVENESS OF GALECTIN-3 THYROTEST IN THE SELECTION OF CYTOLOGICALLY INDETERMINATE THYROID NODULES (THY3) FOR SURGERY. ANALYSIS ON 336 NODULES WITH EXTENDED FOLLOW-UP.**

Salvatore Sciacchitano<sup>1</sup>, Leila Baghernajad Salehi<sup>2</sup>, Luca Lavra<sup>2</sup>, Fiorenza Magi<sup>2</sup>, Alessandra Olivieri<sup>2</sup>, Stefano Amendola<sup>3</sup>, Tommaso Porcelli<sup>3</sup>, Giampaolo De Francesco<sup>4</sup>, Carlo Bellotti<sup>5</sup>, Armando Bartolazzi<sup>6</sup>

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**P62**

**THYROID LESIONS IN PATIENTS WITH GERMLINE MUTATION OF PTEN GENE (PTEN-HAMARTOMA TUMOR SYNDROME).**

José Cameselle-Teijeiro<sup>1</sup>, José-Manuel Cabezas-Agrícola<sup>2</sup>, Rosa Reyes-Santías<sup>3</sup>, Natividad Alfonsín-Barreiro<sup>4</sup>, Ihab Abdulkader<sup>3</sup>, Felipe Casanueva-Freijo<sup>2</sup>, Ana Vega-Gliemmo<sup>5</sup>

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**P63**

**Poster has been withdrawn**

**P64**

**THE THYMIC HYPERPLASIA (TH) AND BIOCHEMICAL PERSISTENCE OF DISEASE IN PATIENTS WITH DIFFERENTIATED THYROID CARCINOMA (DTC)**

Carla Gambale<sup>1</sup>, Antonio Matrone<sup>2</sup>, Eleonora Molinaro<sup>1</sup>, Laura Agate<sup>1</sup>, Valeria Bottici<sup>1</sup>, Agnese Biagini<sup>1</sup>, David Viola<sup>1</sup>, Salvatore Mazzeo<sup>3</sup>, Francesca Bianchi<sup>1</sup>, Federica Brozzi<sup>1</sup>, Paolo Vitti<sup>1</sup>, Rossella Elisel<sup>1</sup>

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<sup>3</sup>Unity of Radiology-University of Pisa – Pisa

**P65**

**PROGNOSIS VALUE OF STAGE PT3' CLINICAL AND PATHOLOGIC CHARACTERISTICS IN WELL DIFFERENTIATED THYROID CANCER**

Carolina Moreno<sup>1</sup>, Miguel Melo<sup>1</sup>, Cristina Ribeiro<sup>2</sup>, Luísa Ruas<sup>2</sup>, Joana Saraiva<sup>1</sup>, Daniela Guelho<sup>2</sup>, Luís Cardoso<sup>2</sup>, Nuno Vicente<sup>2</sup>, Gracinda Costa<sup>2</sup>, Francisco Carrilho<sup>2</sup>

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***PO8 THYROID CANCER THERAPEUTICS 1 / E-POSTER TERMINAL 8***

*Chair: Sophie Leboulleux, France*

**P66**

**EFFECT OF PHOTODYNAMIC THERAPY BY INTRATUMORAL PHOTOFRIN INJECTION IN ORTHOTOPIC MOUSE MODEL OF HUMAN ANAPLASTIC THYROID CARCINOMA**

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<sup>2</sup>Biomedical Engineering, Dankook University

**P67**

**BRAF: A POTENT INDICATOR FOR DETERMINING THE EXTENT OF SURGERY IN PAPILLARY THYROID CANCER**

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

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**P68**

Poster has been withdrawn

**P69**

Poster has been withdrawn

**P70**

**COMPARISON BETWEEN ENDOSCOPIC THYROIDECTOMY AND CONVENTIONAL OPEN THYROIDECTOMY**

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**P71**

**COMPLEMENTARY RADIOIODINE (RAI) TREATMENT IS BENEFICIAL IN LOW RISK DIFFERENTIATED THYROID CANCER (DTC)**

Jolanta Krajewska<sup>1</sup>, Michal Jarzab<sup>1</sup>, Agnieszka Czarniecka<sup>1</sup>, Jozef Roskosz<sup>1</sup>, Daria Handkiewicz-Junak<sup>1</sup>, Aleksandra Kukulska<sup>1</sup>, Elzbieta Gubala<sup>1</sup>, Ewa Paliczka-Cieslik<sup>1</sup>, Barbara Jarzab<sup>1</sup>

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**P72**

**OUTCOME AND SURVIVAL IN DIFFERENTIATED THYROID CANCER WITH DISTANT METASTASES AT DIAGNOSIS: LONG FOLLOW-UP OF 60 PATIENTS**

Barbara Vlassopoulou<sup>1</sup>, Sofia Tsirona<sup>1</sup>, Haris Vassilopoulos<sup>1</sup>, George Ioannidis<sup>1</sup>, Efi Botoula<sup>1</sup>, Panagiotis Trivizas<sup>1</sup>, Stylianos Tsagarakis<sup>1</sup>

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**P73**

**HEMITHYROIDECTOMY VERSUS TOTAL THYROIDECTOMY FOR UNILATERAL PAPILLARY THYROID MICROCARCINOMA : A COMPARATIVE STUDY**

Kang Dae Lee<sup>1</sup>, Hyoung Shin Lee<sup>1</sup>, Jun Woong Song<sup>2</sup>, Sung Won Kim<sup>2</sup>, Jong Chul Hong<sup>3</sup>, Taejung Park<sup>2</sup>

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**P74**

**THE SUCCESSFUL RATE FOR RADIOACTIVE IODINE REMNANT ABLATION IN PATHOLOGICAL N1B PAPILLARY THYROID CARCINOMA PATIENTS ACCORDING TO RISK GROUP**

Tae Yong Kim<sup>1</sup>, Min Ji Jeon<sup>2</sup>, Won Gu KIM<sup>1</sup>, Eun Kyung Jang<sup>2</sup>, Dong Eun Song<sup>2</sup>, Jin-Sook Ryu<sup>1</sup>, Won Bae Kim<sup>1</sup>, Young Kee Shong<sup>1</sup>

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<sup>2</sup>Asan Medical Center

**P75**

**COMPARISON OF POSTOPERATIVE VOICE OUTCOME BETWEEN THYROIDECTOMY USING HARMONIC SCALPEL AND LIGASURE**

Kijeong Lee<sup>1</sup>, Soon-Youn Kwon<sup>2</sup>, Jeong-Soo Woo<sup>2</sup>, Seung-Kuk Baek<sup>1</sup>, Jae-Gu Jo<sup>2</sup>, Min Woo Park<sup>1</sup>, Kwang Jin Jung<sup>1</sup>, Si-Youn Song<sup>3</sup>, Kwang-Yoon Jung<sup>1</sup>

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**P76**

**EFFECT AND TOXICITY OF SMALL MOLECULE TYROSINE KINASE INHIBITORS IN PATIENTS WITH THYROID CARCINOMA: SYSTEMATIC REVIEW AND META-ANALYSIS**

Esther Klein Hesselink<sup>1</sup>, Danielle Steenvoorden<sup>2</sup>, Ellen Kapiteijn<sup>2</sup>, Eleonora Corssmit<sup>2</sup>, Anouk van der Horst - Schrivers<sup>1</sup>, Joop Lefrandt<sup>1</sup>, Thera Links<sup>1</sup>, Olaf Dekkers<sup>2</sup>

<sup>1</sup>University Medical Center Groningen; <sup>2</sup>Leiden University Medical Center, The Netherlands

**P77**

**PREDICTORS OF HYPERTHYROIDISM IN PATIENTS TREATED WITH LEVOTHYROXINE SUPPRESSIVE DOSES FOR WELL-DIFFERENTIATED THYROID CANCER**

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**P78**

**THE MANAGEMENT OF RADIOIODINE RESISTANT DIFFERENTIATED THYROID CANCER – A LONGITUDINAL 10-YEARS FOLLOW-UP**

Ruxandra Dobrescu<sup>1</sup>, Andrei Goldstein<sup>2</sup>, Anca Simioniuc<sup>3</sup>, Dumitru Ioachim<sup>2</sup>, Corin Badiu<sup>4</sup>

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<sup>2</sup>National Institute of Endocrinology "Cl Parhon"

<sup>3</sup>National Institute of Endocrinology "Cl Parhon",

<sup>4</sup>National Institute of Endocrinology; "Carol Davila" University of Medicine & Pharmacy

**PO9 MEDULLARY THYROID CANCER / E-POSTER TERMINAL 9**

Chair: Valeriano Leite, Portugal

**P79**

**MEN2A SPANISH NATIONAL DATABASE: CLINICAL PROFILE OF MEDULLARY THYROID CARCINOMA CAUSED BY GERMLINE RET CYS634TYR MUTATION**

Paloma Portillo<sup>1</sup>, Nuria Valdes Gallego<sup>2</sup>, Elena Navarro<sup>3</sup>, Lluís Forga<sup>4</sup>, Anna Casterás<sup>5</sup>, Jordi Mesa<sup>5</sup>, Javier Tébar<sup>1</sup>

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<sup>3</sup>Hospital Virgen del Rocío

<sup>4</sup>Complejo Hospitalario de Navarra

<sup>5</sup>Hospital Vall D`hebrón

**P80**

**COMPARISON OF PENTAGASTRIN TEST AND CALCIUM STIMULATION TEST FOR PREOPERATIVE DIAGNOSIS OF MEDULLARY THYROID CARCINOMA**

Philipp Ubl<sup>1</sup>, Alois Gessl<sup>1</sup>, Christian Scheuba<sup>1</sup>, Bruno Niederle<sup>1</sup>, Marcus Hacker<sup>1</sup>, Shuren Li<sup>1</sup>

<sup>1</sup>Medical University of Vienna

**P81**

**UTILITY OF 18F-DIHYDROXYPHENILALANINE PET SCAN IN PATIENTS WITH RECURRENT MEDULLARY THYROID CARCINOMA**

Ana Romero Lluch<sup>1</sup>, Ignacio Cuenca Cuenca<sup>2</sup>, Raquel Guerrero Vázquez<sup>1</sup>, Antonio Jesús Martínez Ortega<sup>1</sup>, Ignacio Jiménez Varo<sup>1</sup>, Beatriz González Aguilera<sup>1</sup>, Noelia Gros Herguido<sup>1</sup>, Elena Navarro González<sup>1</sup>

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**P82**

**MANAGEMENT STRATEGY IN A RET PROTO-ONCOGENE MUTATION CARRIER IN A SETTING OF CONGENITAL HYPOTHYROIDISM.**

Alptekin Gursoy<sup>1</sup>, Seyfettin Ilgan<sup>1</sup>, Erdinc Aygenc<sup>1</sup>, Banu Bilezikci<sup>1</sup>

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**P83**

**VEGF, VEGFR3 AND PDGFRB PROTEIN EXPRESSION IS INFLUENCED BY RAS MUTATIONS IN MEDULLARY THYROID CARCINOMA**

Lucía Inglada Pérez<sup>1</sup>, Veronika Mancikova<sup>2</sup>, Maria Curras-Freixes<sup>2</sup>, Aguirre A. De Cubas<sup>2</sup>, Álvaro Gómez<sup>2</sup>, Rocío Letón<sup>2</sup>, Iñaki Comino-Mendez<sup>2</sup>, María Apellaniz-Ruiz<sup>2</sup>, Lara Sánchez<sup>2</sup>, Alberto Cascón<sup>1</sup>, Julia Sastre-Marcos<sup>3</sup>, Cristina Rodríguez-Antona<sup>1</sup>, Mercedes Robledo<sup>1</sup>

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**P84**

**CALCITONIN STIMULATION TEST- EXPERIENCE OF ONE CENTRE**

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**P85**

**FAMILIAL MEDULLARY THYROID CARCINOMA PRESENTING AS CUSHING SYNDROME: ANALYSIS OF RET GENE**

Jessica Ares Blanco<sup>1</sup>, Lorena Suárez<sup>1</sup>, María-Galiana Rodríguez<sup>1</sup>, Lucía Díaz<sup>1</sup>, Daniel Caravia<sup>1</sup>, Joaquín Pertierra<sup>1</sup>, Edelmiro Menéndez<sup>1</sup>

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**P86**

**USING NEXT GENERATION SEQUENCING METHOD IN RET MUTATION-NEGATIVE FAMILIES WITH HEREDITARY MEDULLARY THYROID CARCINOMA**

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**P87**

**MEN2A SPANISH NATIONAL DATABASE: RET CYS634ARG MUTATION IS ASSOCIATED WITH HIGHER RISK OF CLINICAL AGGRESSIVENESS OF MEDULLARY THYROID CARCINOMA THAN RET C634Y MUTATION.**

Nuria Valdes Gallego<sup>1</sup>, Elena Navarro<sup>2</sup>, Paloma Porillo<sup>3</sup>, Javier Tébar<sup>3</sup>, Jordi Mesa<sup>4</sup>, Anna Casterás<sup>4</sup>, Lluís Forga<sup>5</sup>

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<sup>3</sup>Hospital Virgen de la Arrixaca

<sup>4</sup>Hospital Vall D'hebrón

<sup>5</sup>Complejo Hospitalario de Navarra

## **P88**

### **MUTATIONS IN THE RET PROTO-ONCOGENE IN A COHORT OF 36 PATIENTS WITH SPORADIC MEDULLARY THYROID CARCINOMA**

Saskia Ting<sup>1</sup>, Vera Tiedje<sup>2</sup>, Thomas Herold<sup>3</sup>, Karl Worm<sup>1</sup>, Dagmar Führer-Sakel<sup>2</sup>, Kurt Werner Schmid<sup>1</sup>

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## **PO10 GOITER AND NODULES 1 / E-POSTER TERMINAL 10**

Chair: Murat Erdogan, Turkey

## **P89**

### **DOES THE EFFICACY OF FINE-NEEDLE ASPIRATION OF THYROID NODULES VARY WITH SIZE AND TI-RADS SCORE?**

Claude Bigorgne<sup>1</sup>, Gilles Russ<sup>2</sup>, Bénédicte Royer<sup>3</sup>, Agnès Rouxel<sup>1</sup>, Marie Bienvenu<sup>4</sup>

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<sup>3</sup>Centre de Pathologie Et D'imagerie

<sup>4</sup>Centre de Pathologie Et D'imagerie; Cochin Hospital

## **P90**

### **GREY-SCALE ANALYSIS MAY IMPROVE THE ULTRASONOGRAPHIC EVALUATION OF THYROID NODULES**

Giorgio Grani<sup>1</sup>, Mimma D'Alessandri<sup>2</sup>, Giovanni Carbotta<sup>2</sup>, Angela Nesca<sup>2</sup>, Marianna Del Sordo<sup>2</sup>, Martina Vitale<sup>2</sup>, Flavia Pigliacelli<sup>2</sup>, Angela Fumarola<sup>2</sup>

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## **P91**

### **INITIAL EXPERIENCE WITH CONTINUOUS INTRAOPERATIVE NEURAL MONITORING DURING THYROIDECTOMY.**

Marcin Barczynski<sup>1</sup>, Malgorzata Stopa<sup>1</sup>, Krzysztof Pragacz<sup>2</sup>, Aleksandra Papier<sup>1</sup>, Aleksander Konturek<sup>1</sup>, Wojciech Nowak<sup>1</sup>

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## **P92**

### **LONG-LASTING THYROID NODULES SHRINKAGE AFTER RADIOFREQUENCY ABLATION AT 1 YEAR FOLLOW-UP ON A PROSPECTIVE STUDY**

Maurilio Deandrea<sup>1</sup>, francesca garino<sup>1</sup>, Alberto Mormile<sup>1</sup>, Federico Ragazzoni<sup>1</sup>, Paolo Piero Limone<sup>1</sup>

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**P93**

**THYROID VOLUMES OF TEHRANIAN SCHOOLCHILDREN WHO HAVE LIVED THEIR ENTIRE LIVES IN AN IODINE SUFFICIENT AREA**

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**P94**

**SERUM TSH LEVELS AND MALIGNANCY RISK IN PATIENTS WITH THYROID NODULES**

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**P95**

**HEMITHYROIDECTOMY FOR BENIGN EUTHYROID GOITER AFFECTS MITOCHONDRIAL-RELATED GENE EXPRESSION**

Tina Toft Kristensen<sup>1</sup>, Anne-Dorthe Feldthusen<sup>2</sup>, Palle Lyngsie Pedersen<sup>2</sup>, Jacob Larsen<sup>2</sup>, Søren Jelstrup<sup>1</sup>, Jan Kvetny<sup>2</sup>

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**P96**

**DISAPPEARANCE OF THYROID NODULES IS COMMON AFTER THE DANISH IODIZATION PROGRAM - AN ELEVEN-YEAR DANTHYR FOLLOW-UP STUDY.**

Anne Kreibjerg<sup>1</sup>, Lena Bjergved<sup>2</sup>, Inge Bülow Pedersen<sup>3</sup>, Nils Knudsen<sup>4</sup>, Torben Jørgensen<sup>5</sup>, Hans Perrild<sup>4</sup>, Lars Ovesen<sup>6</sup>, Lone Banke Rasmussen<sup>7</sup>, Peter Laurberg<sup>1</sup>

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**P97**

**UTILITY OF INTRA PROCEDURAL CONTRAST ENHANCED ULTRASOUND EVALUATION IN THE PERCUTANEOUS LASER ABLATION OF LARGE BENIGN THYROID NODULES. FIRST EXPERIENCE IN SPAIN.**

Mattia Squarcia<sup>1</sup>, Mireia Mora<sup>2</sup>, Irene Halperin<sup>2</sup>, Enrique Carrera<sup>3</sup>, Joan Berenguer<sup>4</sup>, Ricard Valero<sup>3</sup>, Gloria Aranda<sup>2</sup>, Felicia Alexandra Hanzu<sup>2</sup>

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<sup>3</sup>Department of Anesthesiology Hospital Clinic Barcelona

<sup>4</sup>Department of Radiology Hospital Clinic Barcelona

**P98**

**QUALITY OF LIFE IN PATIENTS WITH BENIGN NON-TOXIC GOITRE AS COMPARED TO THE GENERAL POPULATION: BASELINE AND 6 MONTHS POST-TREATMENT**

Per Cramon<sup>1</sup>, Åse Krogh Rasmussen<sup>1</sup>, Jakob Bue Bjorner<sup>2</sup>, Steen Joop Bonnema<sup>3</sup>, Daniel Mark Frenzl<sup>4</sup>, Mogens Groenvold<sup>5</sup>, Laszlo Hegedüs<sup>3</sup>, Ulla Feldt-Rasmussen<sup>1</sup>, Torquil Watt<sup>1</sup>

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**P99**

**Poster has been withdrawn**

***PO11 CASE REPORTS 1 / E-POSTER TERMINAL 11***

*Chair: Gabor Kovacs, Hungary*

**P100**

**CASE REPORT: SUPERIOR VENA CAVA SYNDROME SECONDARY TO INTRATHORACIC GOITER**

Bruno Francisco García-Bray<sup>1</sup>, Nieves Cruz Felipe-Pérez<sup>1</sup>, Ricardo Darías-Garzón<sup>1</sup>, Benigno Rivero-Melián<sup>1</sup>, José Gregorio Oliva-García<sup>1</sup>, Estefania González-Melo<sup>1</sup>, Alejandra Mora-Mendoza<sup>1</sup>, Beatriz Gómez-Alvarez<sup>1</sup>, Ignacio Llorente-Gómez de Segura<sup>1</sup>

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**P101**

**A CASE OF SECOND DEGREE AV BLOCK AND SEVERELY IMPAIRED CONTRACTILITY IN CARDIAC MYXEDEMA**

APOSTOLOS CHATZITOMARIS<sup>1</sup>, Michael Scheeler<sup>2</sup>, Michael Gotzmann<sup>2</sup>, Janice Schildroth<sup>2</sup>, Kathy Miriam Knyhala<sup>2</sup>, Roland Koeditz<sup>2</sup>, Harald H. Klein<sup>2</sup>, Johannes W Dietrich<sup>3</sup>

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**P102**

**THREE CLINICAL CASES OF ECTOPIC THYROID (ABERRANT GOITER) WITH DIFFERENT THYROID FUNCTION AT DIAGNOSIS.**

Timur Britvin<sup>1</sup>, Alexander Dreval<sup>2</sup>, Tatiana Shestakova<sup>1</sup>, Irina Komerduš<sup>1</sup>

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**P103**

**PITFALLS IN ULTRASOUND GUIDED FINE NEEDLE ASPIRATION**

Cláudia Freitas<sup>1</sup>, André Couto-Carvalho<sup>1</sup>, Ana Rita Caldas<sup>1</sup>, Ana Maia Silva<sup>1</sup>, Rita Sampaio<sup>1</sup>, Ana Duarte<sup>1</sup>, Fátima Borges<sup>1</sup>

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**P104**

**CLINICAL, PATHOLOGICAL AND MOLECULAR ANALYSIS OF TSH- OMA PATIENT**

Esther Díaz Rodríguez<sup>1</sup>, Sihara Perez<sup>2</sup>, Eva Fernandez<sup>3</sup>, Ramón Serramito<sup>4</sup>, Alfredo García<sup>4</sup>, Ignacio Bernabeu<sup>4</sup>, Clara Alvarez Villamarín<sup>2</sup>

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## **P105**

### **AN UNUSUAL ENCOUNTER OF TWO COMMON ENDOCRINE DISORDERS AFTER AN EPISODE OF DRESS**

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## **P106**

### **DIAGNOSTIC AND EVOLUTIVE PECULIARITIES IN A CASE SERIES OF MALIGNANT STRUMA OVARI**

Ruxandra Dobrescu<sup>1</sup>, Diana Coles<sup>1</sup>, Andrei Goldstein<sup>1</sup>, Dumitru Ioachim<sup>1</sup>, Mihai Magurean<sup>2</sup>, Iuliana Ceausu<sup>3</sup>, Corin Badiu<sup>4</sup>

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## **P107**

### **SUNITINIB-INDUCED TRANSIENT THYROTOXICOSIS IN A PATIENT WITH RENAL CELL CARCINOMA**

Raluca Trifanescu<sup>1</sup>, Oana-Gabriela Trifanescu<sup>2</sup>, Mara Carsote<sup>3</sup>, Catalina Poiana<sup>4</sup>

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## **P108**

### **TWO PORTUGUESE FAMILIES OF FAMILIAL PAPILLARY THYROID CARCINOMA**

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## **P109**

### **IN QUEST OF ORAL THYROXINE RESISTANCE – THREE CASE REPORTS WITH ASSUMED INTESTINAL MALABSORPTION OF LEVOTHYROXINE**

Bruhnke Gabriele<sup>1</sup>, Richard Voigtländer<sup>1</sup>, Jaeger Andrea<sup>1</sup>, Lars Moeller<sup>2</sup>, Ulrich Schweizer<sup>3</sup>, Dagmar Führer<sup>1</sup>

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## **PO12 IMAGING AND NUCLEAR MEDICINE / E-POSTER TERMINAL 12**

*Chair: Steen J. Bonnema, Denmark*

### **P110**

#### **THE THYROID-RELATED QUALITY OF LIFE MEASURE THYPRO HAS GOOD RESPONSIVENESS AND ABILITY TO DETECT RELEVANT TREATMENT EFFECTS**

Torquil Watt<sup>1</sup>, Per Cramon<sup>2</sup>, Laszlo Hegedüs<sup>3</sup>, Jakob Bue Bjorner<sup>4</sup>, Steen Joop Bonnema<sup>3</sup>, Åse Krogh Rasmussen<sup>1</sup>, Ulla Feldt-Rasmussen<sup>1</sup>, Mogens Groenvold<sup>4</sup>

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<sup>4</sup>University of Copenhagen, Denmark

### **P111**

#### **A PRACTICAL SCORING MODEL FOR DETECTING MALIGNANT THYROID NODULES BY USING ULTRASONOGRAPHIC FINDINGS**

shirzad nasiri<sup>1</sup>, nassim sodagari<sup>1</sup>

<sup>1</sup>Tehran University of Medical Sciences

### **P112**

#### **RADIOFREQUENCY ABLATION IS A THYROID-FUNCTION-PRESERVING TREATMENT FOR PATIENTS WITH BILATERAL BENIGN THYROID NODULES**

Min Ji Hong<sup>1</sup>, Jung Hwan Baek<sup>1</sup>, Young Jun Choi<sup>1</sup>, Jeong Hyun Lee<sup>1</sup>, Hyun Kyung Lim<sup>2</sup>, Young Kee Shong<sup>3</sup>, Suck Joon Hong<sup>4</sup>

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<sup>4</sup>Department of Surgery, University of Ulsan College of Medicine, Asan Medical Center

### **P113**

#### **ROLE OF F-18 FLUORODEOXYGLUCOSE PET/CT IN THE EVALUATION OF NON-IODINE-AVID METASTASES/DISEASE RECURRENCE IN THYROID CARCINOMA**

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<sup>1</sup>Khoo Teck Puat Hospital, Singapore

### **P114**

#### **PULSED DOPPLER EVALUATION OF THYROID BLOOD FLOW IN DIFFUSE THYROID DISORDERS**

Mariela Bachvarova<sup>1</sup>, Kiril Hristozov<sup>2</sup>, Branimir Kanazirev<sup>3</sup>

<sup>1</sup>Varna Medical University

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<sup>3</sup>Varna Medical University; St Mariana University Hospital

### **P115**

#### **ROLE OF 131-I SPECT-CT IN THE RISK STRATIFICATION OF DIFFERENTIATED THYROID CANCER**

Shirly Margarita Nieves Maldonado<sup>1</sup>, Patricia Fierro Alanis<sup>1</sup>, Virginia Pubul Nuñez<sup>1</sup>, Ines Dominguez Parado<sup>1</sup>, Sonia Argibay Vazquez<sup>1</sup>, José Manuel Cabezas Agrícola<sup>1</sup>, Alejandro Bejarano Garcia<sup>1</sup>, Jesus Lopez Urdaneta<sup>1</sup>, Julia Cortez Hernández<sup>1</sup>, Álvaro Ruibal Morel<sup>1</sup>

<sup>1</sup>Centro Hospitalario Santiago de Compostela

**P116**

Poster has been withdrawn

**P117**

**99MTC-METHOXYISOBUTYLISONITRILE (MIBI) SCINTIGRAPHY IS AN USEFUL AND COST-EFFECTIVE TOOL FOR ASSESSING THE RISK OF MALIGNANCY IN THYROID NODULES WITH INDETERMINATE FINE NEEDLE CYTOLOGY (FNAC).**

Alfredo Campenni<sup>1</sup>, Luca Giovanella<sup>2</sup>, Salvatore Giovinazzo<sup>3</sup>, Rosaria Certo<sup>3</sup>, Marina Raffaella Galletti<sup>3</sup>, Massimo Siracusa<sup>4</sup>, Teresa Manuela Vicchio<sup>3</sup>, Mariapaola Cucinotta<sup>4</sup>, Francesco Trimarchi<sup>3</sup>, Sergio Baldari<sup>4</sup>, Rosaria Maddalena Ruggeri<sup>3</sup>

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<sup>3</sup>Endocrinology Unit & <sup>4</sup>Nuclear Medicine Unit University OF Messina

**P118**

**EFFECTIVENESS OF AN INDIVIDUALIZED RADIOIODINE ACTIVITY CALCULATION METHOD IN PATIENTS WITH HYPERTHYROIDISM**

Daniel González Duarte<sup>1</sup>, Yolanda Santaella Guardiola<sup>2</sup>, Lourdes García García-Doncel<sup>1</sup>, Milagros Cardoso Rodríguez<sup>3</sup>, Jesús Melgar Pérez<sup>4</sup>, Manuel Aguilar Diosdado<sup>5</sup>

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**P119**

**SALIVARY GLAND SIDE EFFECTS AFTER 131-IODINE ADMINISTRATION FOR THYROID REMNANT ABLATION: IS THERE ANY RELATIONSHIP WITH THE METHOD OF PATIENT'S PREPARATION (RHTSH/ LT4 WITHDRAWAL) OR THE ADMINISTERED IODINE ACTIVITY?**

IOANNIS IAKOVOU<sup>1</sup>, EUANTHIA GIANNOULA<sup>1</sup>, IORDANIS KONSTANTINIDIS<sup>2</sup>, SAVVAS FRANGOS<sup>3</sup>

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**P120**

**PREDICTIVE FACTORS OF RADIOACTIVE IODINE THERAPY FAILURE IN GRAVES' DISEASE**

Joana Nunes<sup>1</sup>, Elisabete Rodrigues<sup>2</sup>, Ana Oliveira<sup>3</sup>, Tiago Vieira<sup>3</sup>, Victor Alves<sup>3</sup>, Berta Perez<sup>3</sup>, Ricardo Correia<sup>4</sup>, Davide Carvalho<sup>2</sup>, Jorge Pereira<sup>3</sup>

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**P121**

**PREDICTION OF POSITIVE SERUM THYROGLOBULIN ANTIBODY BY 18F-FDG PET/CT IN THE RESIDUAL THYROID GLAND AFTER UNILATERAL THYROID LOBECTOMY**

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