

# FREE PAPER PROGRAM

SUNDAY, SEPTEMBER 9, 2007

**Cytopathology**

**08:30 – 10:00**

**Dolmabahçe A**

## **OP1-1**

### **THE ACCURACY OF IMPRINT CYTOLOGY OF SENTINEL LYMPH NODE IN BREAST CANCER: AN ANALYSIS OF CAUSES OF DISCREPANCIES**

Peir-In Liang<sup>1</sup>, Ming-Yuan Lee<sup>1</sup>, Ben-Long Yu<sup>2</sup>, Chii-Ming Chen<sup>2</sup>, Dong-Ling You<sup>3</sup>, Christopher K-J Lin<sup>4</sup>

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<sup>4</sup> Department of Radiology, Koo Foundation Sun Yat-Sen Cancer Center, Taipei, Taiwan

## **OP1-2**

### **THE VALUE OF FLUORESCENCE IN SITU HYBRIDISATION (FISH) IN THE DIAGNOSIS AND FOLLOW UP OF THE TRANSITIONAL CELL CARCINOMA**

Ignat Schwartz, Eddie Fridman, Sylvie Polack-Sharcon, Jury Kopolovic

Department of Pathology, Sheba Medical Center, Tel-Hashomer, Israel

## **OP1-3**

### **CYTOPATHOLOGIC DIFFERENTIAL DIAGNOSIS OF MALIGNANT MESOTHELIOMA, ADENOCARCINOMA AND REACTIVE MESOTHELIAL CELLS: A LOGISTIC REGRESSION ANALYSIS**

Ebru Cakir<sup>1</sup>, Funda Demirag<sup>1</sup>, Mehtap Aydin<sup>1</sup>, Ebru Unsal<sup>2</sup>

<sup>1</sup> Ankara Ataturk Chest Disease and Chest Surgery Education and Research Hospital Department of Pathology, Turkey

<sup>2</sup> Ankara Ataturk Chest Disease and Chest Surgery Education and Research Hospital Department of Chest Disease, Turkey

## **OP1-4**

### **PULMONARY BRONCHIOLOALVEOLAR CARCINOMA. REVIEW OF 43 CASES OF CYTOLOGICAL DIAGNOSIS**

M. Carme Dinares, Vicente Peg, M. Teresa Salcedo, Nieves Medina, Carmela Iglesias, Montse Ochoa, Marta Serra, Santiago Ramon Y Cajal, Natalia Tallada

Pathology Department. Hospital Vall d'Hebron. Barcelona, Spain

## **OP1-5**

### **ENTROPY OF THE CHROMATIN TEXTURE IN ROUTINELY STAINED CYTOLOGY IS A PROGNOSTIC FACTOR IN ACUTE LYMPHOBLASTIC LEUKEMIA**

Konradin Metzke<sup>1</sup>, Mariana R B De Mello<sup>2</sup>, Randall L Adam<sup>3</sup>, Neucimar J Leite<sup>3</sup>, Irene G H Lorand-Metze<sup>4</sup>

<sup>1</sup> Department of Pathology, Faculty of Medicine, State University of Campinas (UNICAMP), Campinas, Brazil

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<sup>4</sup> Department of Medicine, Faculty of Medicine, State University of Campinas (UNICAMP), Campinas, Brazil

## **OP1-6**

### **IMMUNOHISTOCHEMICAL EXPRESSION OF GALECTIN-3, CYTOKERATIN 19 AND P27 IN CYTOHISTOLOGICAL DIAGNOSIS OF THE THYROID NODULES**

Ruth Orellana Fernández, MR Bella, N Combalia, S Fernández, G Giménez, A Casalots, MR Escoda, M Rey

Pathology Dep UDIAT-CD and Endocrinology Dep. Corporació Parc Taulí, Sabadell, Barcelona, Spain

## **OP1-7**

### **A COMPARISON OF FINE NEEDLE ASPIRATION CYTOLOGY AND CORE BIOPSY IN THE DIAGNOSIS OF BREAST MASSES**

Rengin Ahiskali<sup>1</sup>, Zeynep Tosuner<sup>1</sup>, Burcu Tuzuner<sup>1</sup>, Handan Kaya<sup>1</sup>, Bahadır Gulluoglu<sup>2</sup>, Erkin Aribal<sup>3</sup>

<sup>1</sup> Marmara University School of Medicine, Department of Pathology, Istanbul, Turkey

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<sup>3</sup> Marmara University School of Medicine, Department of Radiology, Istanbul, Turkey

**OP1-8****URINE CYTOLOGY FOR THE IDENTIFICATION OF INCLUSION BEARING “DECOY CELLS”: THE INCREASED SHEDDING OF CLUMPED DECOY CELL VARIANTS IDENTIFIES PATIENTS AT VERY HIGH RISK FOR POLYOMAVIRUS ALLOGRAFT NEPHROPATHY**

S. Singh, R. Detwiler, K. Andreoni, V. Nickeleit

The University of North Carolina at Chapel Hill, Dep. of Pathology, USA

**OP1-9****FNA CYTOLOGY OF PRIMITIVE NEUROECTODERMAL TUMORS**

Yuri Batoroey

Irkutsk Oncology Hospital, Russia

**Miscellaneous****11:00 – 12:00****Dolmabahçe A****OP2-1****THE AMAZON TELEMEDICINE PROJECT: AN AFFORDABLE TELEPATHOLOGY SYSTEM FOR REMOTE ACCESS AREAS**

Vinicius Duval Da Silva, Eder Huttner, Ricardo Cardoso, Thais Russomano, Adolfo Sparenberg, Lucas Michaelen,

Vinicius Michaelen, Maria Helena Itaquí Lopes

Pontificia Universidade Católica do Rio Grande do Sul, Porto Alegre, Brazil

**OP2-2****UTILIZATION OF COLLEGE OF AMERICAN PATHOLOGISTS CHECKLIST AS A QUALITY IMPROVEMENT TOOL FOR ACCREDITATION**

Alp Usubutun, Ozay Ozkaya, Pinar Firat, Arzu Sungur

Hacettepe University Department of Pathology, Ankara, Turkey

**OP2-3****TISSUE PATHWAYS AND CANCER DATASETS; AN OVERVIEW OF THE PROGRAMME OF THE ROYAL COLLEGE OF PATHOLOGISTS**

Tim Helliwell

Royal College of Pathologists, United Kingdom

**OP2-4****IS DIGITAL SLIDE MICROSCOPY LIMITED TO SPECIFIED MORPHOLOGICAL APPLICATIONS?**

Gombás Péter<sup>1</sup>, Illyés György<sup>2</sup>

<sup>1</sup> Central Hospital, Division of Pathology, Budapest, Hungary

<sup>2</sup> II. Department of Pathology, Semmelweis University, Budapest, Hungary

**OP2-5****HONEY AS A SUBSTITUTE FOR FORMALIN?**

Naziye Ozkan<sup>1</sup>, Fulya Cakalagaoglu<sup>1</sup>, Burcu Tuzuner<sup>2</sup>, Emine Salva<sup>3</sup>

<sup>1</sup> Marmara University Medical Faculty, Pathology Depart., Istanbul; Marmara University Vocational School of Health Related Professions, Pathology Laboratory Depart. Istanbul, Turkey

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**Hematopathology****17:30 – 19:30****Topkapı B****OP3-1****EURO-FISH: A CONCERTED ACTION TOWARDS STANDARDIZED TRANSLOCATION DETECTION IN PATHOLOGY**

Anke Van Rijk<sup>1</sup>, David Mason<sup>2</sup>, Lorenzo Leoncini<sup>3</sup>, José Cabecadas<sup>4</sup>, Martin Hansmann<sup>5</sup>, Christiane Chriscopie Bergman<sup>6</sup>,

Juan Cruz Cigudosa<sup>7</sup>, Dimitra Anagnostou<sup>8</sup>, Stephen Stehamilton Dutoit<sup>9</sup>, Tim Svenstrup Poulsen<sup>10</sup>,

Steen Hauge Matthiesen<sup>10</sup>, Han Van Krieken<sup>1</sup>

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<sup>2</sup> Haematology Department, John Radcliffe Hospital, University of Oxford, United Kingdom

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<sup>7</sup> Cytogenetics Unit, Spanish National Cancer Centre, Madrid, Spain

- <sup>8</sup> Hematopathology Dept. Evangelismos Hospital, Athens, Greece  
<sup>9</sup> Institute of Pathology, Aarhus University Hospital, Aarhus, Denmark  
<sup>10</sup> Dako, Glostrup, Denmark

**OP3-2**  
**TOPOISOMERASE II $\alpha$  EXPRESSION IS AN INDEPENDENT PROGNOSTIC FACTOR IN HODGKIN'S LYMPHOMA**

Ipatia Doussis-Anagnostopoulou<sup>1</sup>, Theodoros Vassilakopoulos<sup>2</sup>, Irini Thymara<sup>3</sup>, Loukas Kaklamanis<sup>1</sup>, Penelope Korkolopoulou<sup>3</sup>, Athina Androulaki<sup>3</sup>, Efstratios Patsouris<sup>3</sup>, Christos Kittas<sup>1</sup>, Gerassimos Pangalis<sup>2</sup>

<sup>1</sup> Laboratory of Histology and Embryology, Greece

<sup>2</sup> First Department of Internal Medicine and Department of Haematology, Greece

<sup>3</sup> Department of Pathology, National and Kapodistrian University of Athens, Medical School, Greece

**OP3-3**  
**REDISTRIBUTION OF CD4 AND FOXP-3 POSITIVE TREG CELLS FROM LYMPHOID TISSUES TO PERIPHERAL BLOOD IN EARLY STAGE HIV INFECTED PATIENTS.**

Alba Diaz<sup>1</sup>, Ana Mozos<sup>1</sup>, Marta Garrido<sup>2</sup>, Joaquim Carreras<sup>1</sup>, Montse Planas<sup>3</sup>, Lucia Alos<sup>1</sup>, Elias Campo<sup>1</sup>, Felipe Garcia<sup>4</sup>, Antonio Martinez<sup>1</sup>

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<sup>4</sup> Department of Infectious Diseases, Hospital Clinic, Barcelona, Spain

**OP3-4**  
**GCET1 EXPRESSION IN ENDEMIC BURKITT LYMPHOMA. CORRELATION WITH EBV STATUS AND IGH MUTATION PATTERN**

Cristiana Bellan<sup>1</sup>, Stefano Lazzi<sup>1</sup>, Giovanna Roncador<sup>2</sup>, Teresa Amato<sup>1</sup>, Giulia De Falco<sup>1</sup>, Eleonora Leucci<sup>1</sup>, Mario Cocco<sup>1</sup>, Nazzareno Palumbo<sup>1</sup>, Susanna Mannucci<sup>1</sup>, Piero Tosi<sup>1</sup>, Miguel Piris<sup>2</sup>, Leoncini Lorenzo<sup>1</sup>

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**OP3-5**  
**ALTERED EXPRESSION OF MIRNAS IN C-MYC NEGATIVE BURKITT LYMPHOMA CASES**

Eleonora Leucci<sup>1</sup>, Mario Cocco<sup>1</sup>, Patricia Van Cleef<sup>2</sup>, Cristiana Bellan<sup>1</sup>, Anke Van Rijk<sup>2</sup>, Giulia De Falco<sup>1</sup>, Anna Onnis<sup>1</sup>, Joshua Nyagol<sup>1</sup>, Bessie Byakika<sup>3</sup>, Stefano Lazzi<sup>1</sup>, Piero Tosi<sup>1</sup>, Han Van Krieken<sup>2</sup>, Lorenzo Leoncini<sup>1</sup>

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<sup>3</sup> The Nairobi Hospital, Nairobi, Kenya

**OP3-6**  
**EXPRESSION OF BTK IN NORMAL AND NEOPLASTIC LYMPHOID TISSUES**

Sermin Ozkal<sup>1</sup>, Johan Hjm Van Krieken<sup>2</sup>, Sara Tedoldi<sup>1</sup>, Jennifer C Paterson<sup>1</sup>, Martin-Leo Hansmann<sup>3</sup>, Aydanur Kargi<sup>4</sup>, Teresa Marafioti<sup>1</sup>

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<sup>2</sup> Department of Pathology, Radboud University Nijmegen Medical Centre, Nijmegen, The Netherlands

<sup>3</sup> Senckenberg Pathology Institute, University Clinic Frankfurt am Main, Germany

<sup>4</sup> Department of Pathology, School of Medicine, Dokuz Eylul University, Izmir, Turkey

**OP3-7**  
**ANALYSIS OF LYMPHOCYTE SUBPOPULATIONS, BONE MARROW HEMATOPOIESIS AND HISTOPATHOLOGY IN RITUXIMAB-TREATED LYMPHOMA PATIENTS WITH LATE-ONSET NEUTROPENIA**

Kostas Stamatopoulos<sup>1</sup>, Theodora Papadaki<sup>2</sup>, Charalambos Pontikoglou<sup>3</sup>, Ioanna Athanasiadou<sup>1</sup>, Niki Stavroyianni<sup>1</sup>, Juergen Bux<sup>4</sup>, Ioannis Batsis<sup>1</sup>, Katerina Pyrovolaki<sup>3</sup>, George Paterakis<sup>5</sup>, Dimitra Anagnostou<sup>2</sup>, Achilles Anagnostopoulos<sup>1</sup>, Helen Papadaki<sup>3</sup>

<sup>1</sup> G. Papanicolaou Hospital, Greece

<sup>2</sup> Evangelismos Hospital, Greece

<sup>3</sup> University of Crete School of Medicine, Greece

<sup>4</sup> Blood Service West of the German Red Cross, Hage Germany

<sup>5</sup> G. Gennimatas Hospital, Greece

**OP3-8**  
**EVALUATION OF ANGIOGENESIS IN THE BONE MARROW OF CHILDREN WITH ACUTE LYMPHOBLASTIC LEUKEMIA BY A NOVEL MORPHOMETRIC METHOD**

Lida Kalmanti, Konstantina Dambaki, Vrettos Haniotis, Helen Dimitriou, Eftihia Stiakaki, Efsthios Stathopoulos, George Delides

University of Crete, Greece

**OP3-9****INVOLVEMENT OF THE BREAST BY HEMATOLOGICAL MALIGNANCIES: A STUDY OF PRIMARY AND SECONDARY INVOLVEMENT**

Arzu Saglam, Aysegul Uner

Hacettepe University Faculty of Medicine, Ankara, Turkey

**OP3-10****EXPRESSION AND ACTIVATION STATUS OF THE GENOTOXIC STRESS-INDUCED 53BP1 PROTEIN IN NON HODGKIN AND HODGKIN LYMPHOMAS**

Elias Drakos<sup>1</sup>, L. Jeffrey Medeiros<sup>1</sup>, Julio Morales<sup>2</sup>, Vasiliki Leventaki<sup>1</sup>, Phillip Carpenter<sup>1</sup>, George Rassidakis<sup>1</sup>

<sup>1</sup>The University of Texas M. D. Anderson Cancer Center, USA

<sup>2</sup>The University of Texas Health Sciences Center, USA

**OP3-11****DIFFERENTIAL EXPRESSION OF ACTIVATED (PHOSPHORYLATED) C-JUN N-TERMINAL KINASE (JNK) IN B-CELL NON-HODGKIN LYMPHOMAS**

Vasiliki Leventaki, Elias Drakos, Ellen Schlette, Pei Lin, L. Jeffrey Medeiros, George Rassidakis

The University of Texas M. D. Anderson Cancer Center, USA

**Uro pathology****17:30 – 19:30****Dolmabahçe A****OP4-1****HISTOPATHOLOGICAL CHARACTERISTICS OF PRIMARIES AND PELVIC LYMPH NODE METASTASES PREDICTING SURVIVAL IN SURGICALLY TREATED NODAL POSITIVE PROSTATE CANCER PATIENTS**

Achim Fleischmann<sup>1</sup>, Sylviane Schobinger<sup>1</sup>, Regula Markwalder<sup>1</sup>, Martin Schumacher<sup>2</sup>, Fiona Burkhard<sup>2</sup>,

George N. Thalmann<sup>2</sup>, Urs E. Studer<sup>2</sup>

<sup>1</sup>Department of Pathology, University of Bern, Switzerland

<sup>2</sup>Department of Urology, University of Bern, Switzerland

**OP4-2****ABERRANT PROTEIN EXPRESSION IN MICROPAPILLARY BLADDER CARCINOMA**

Eva Maria Comperat<sup>1</sup>, Armelle Bardier-Dupas<sup>1</sup>, Emmanuel Chartier-Kastler<sup>2</sup>, Marc-Olivier Bitker<sup>2</sup>, Francois Richard<sup>2</sup>,

Olivier Cussenot<sup>3</sup>, Frederique Capron<sup>1</sup>, Philippe Camparo<sup>4</sup>

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<sup>3</sup>Service d'Urologie, Hôpital Tenon, France

<sup>4</sup>Service d'Anatomie Pathologique, Hôpital Val de Grace, France

**OP4-3****EFFECT OF TAMOXIFEN ON GROWTH OF BLADDER CANCER CELLS IS INDEPENDENT OF ESTROGEN RECEPTORS BUT INVOLVES UPREGULATION OF BAX AND CYCLIN D1 EXPRESSION**

Paul Smith, Elwin Morgan, Sheng Yao, Joseph Philip, Carol Beesley, Alix Bee, Youqiang Ke, Brian Lane,

Christine Gosden, Christopher Foster

Division of Cellular and Molecular Pathology, School of Cancer Studies, University of Liverpool, United Kingdom

**OP4-4****POSSIBLE ROLE OF CYCLOOXYGENASE-2 IN SCHISTOSOMA-AND NON-SCHISTOSOMA ASSOCIATED BLADDER CANCER**

Olfat Hammam, Ahmed Aziz, Tarek Abou Shousha, Mamdouh Roshdy, Ahmed Abdel Hady

Pathology and Urology Departments, Theodor Bilharz Research Institute, Warrak El-Hadar, Imbaba, Egypt

**OP4-5****DIFFERENTIAL DIAGNOSTIC OF RENAL CLEAR CELL CARCINOMA USING PLOIDOMETRY**

Tatiana Fedorina, Michael Pleshivcev

Samara State Medical University, Russia

**OP4-6****INVASION FRONT PHENOMENA IN PROSTATIC CANCER**

Peter Stoemmer<sup>1</sup>, Ingrid Bayer<sup>2</sup>

<sup>1</sup>Forschungslabor Prof. Dr. Stoemmer und Gemeinschaftspraxis für Pathologie Dr. Langer Prof. Dr. Stoemmer Augsburg, Germany

<sup>2</sup>Forschungslabor Prof. Dr. Stoemmer und Gemeinschaftspraxis für Pathologie Augsburg, Germany

**OP4-7****TMPRSS2:ERG GENE FUSION EXPRESSION AND PROSTATE CANCER PROGRESSION**

Gabriella Nesi<sup>1</sup>, Lorella Bonaccorsi<sup>1</sup>, Milena Paglierani<sup>1</sup>, Csilla Krausz<sup>1</sup>, Lorenzo Masieri<sup>1</sup>, Sergio Serni<sup>1</sup>, Laura Proietti-Pannunzi<sup>2</sup>, Marco Carini<sup>1</sup>, Gianni Forti<sup>1</sup>, Elisabetta Baldi<sup>1</sup>, Lucio Luzzatto<sup>3</sup>

<sup>1</sup> University of Florence, Italy

<sup>2</sup> University of Rome "La Sapienza", Italy

<sup>3</sup> Istituto Toscano Tumori, Florence, Italy

**OP4-8****THE EFFECT OF CHRONIC ARSENIC EXPOSURE FROM DRINKING WATER ON THE PATHOLOGIC CHARACTERISTICS OF UROTHELIAL TUMORS IN A NON-SELECTED PATIENT POPULATION WITH BLADDER CANCER**

Alan Schned<sup>1</sup>, Angeline Andrew<sup>1</sup>, Carmen Marsit<sup>2</sup>, Steven Morris<sup>3</sup>, Scot Zens<sup>1</sup>, Karl Kelsey<sup>2</sup>, Margaret Karagas<sup>1</sup>

<sup>1</sup> Dartmouth Medical School, USA

<sup>2</sup> Harvard School of Public Health, USA

<sup>3</sup> University of Missouri, USA

**OP4-9****TISSUE MICROARRAY STUDY OF THE RELATIONSHIP BETWEEN CLUSTERIN EXPRESSION AND HORMONE THERAPY EFFECT IN PROSTATIC ADENOCARCINOMA**

Nuria Juanpere<sup>1</sup>, Jose Antonio Lorente<sup>2</sup>, Andreas Doll<sup>3</sup>, Marina Rigau<sup>3</sup>, Miguel Abal<sup>3</sup>, Teresa Baro<sup>1</sup>, Pilar Garcia<sup>1</sup>, Carlos Allepuz<sup>4</sup>, Luis Plaza<sup>4</sup>, Asunta Munne<sup>1</sup>, Luis Angel Rioja<sup>4</sup>, Jaume Reventos<sup>3</sup>, Sergio Serrano<sup>1</sup>, Antoni Gelabert<sup>2</sup>, Jose Lloreta<sup>2</sup>

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<sup>5</sup> Pathology, Hospital del Mar, UPF, Barcelona, Spain

**OP4-10****FISH ANALYSIS OF PTEN GENOMIC DELETION IN PATIENTS WITH RENAL CELL CARCINOMA**

Isabela Cunha<sup>1</sup>, Eurico Campos<sup>2</sup>, Stenio Zequi<sup>2</sup>, Gustavo Guimaraes<sup>2</sup>, Maisa Yoshimoto<sup>3</sup>, Jeremy Squire<sup>3</sup>, Ademar Lopes<sup>2</sup>, Fernando Soares<sup>1</sup>

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<sup>3</sup> Ontario Cancer Institute, University of Toronto, Canada

**OP4-11****CLINICAL SIGNIFICANCE OF NF- $\kappa$ B LEVELS IN UROTHELIAL CARCINOMA**

Polyanthi Papanastasiou, Georgia Levidou, Angelica A Saetta, Penelope Korkolopoulou, Irene Thymara, Petros Pavlopoulos, Euphemia Thomas-Tsagli, Efstratios Patsouris

National and Kapodistrian University of Athens, Department of Pathology, Athens, Greece

**MONDAY, SEPTEMBER 10, 2007****Cardiovascular Pathology****08:30 – 10:00****Dolmabahçe A****OP5-1****LEFT VENTRICULAR MECHANICAL SUPPORT IN CONGESTIVE HEART FAILURE: CHANGES OF PLOIDY STATUS, NUMBER OF BINUCLEATED CARDIOMYOCYTES AND CELL-CYCLE REGULATORY PROTEINS**

Jeremias Wohlschlaeger

Institute of Pathology University Hospital of Essen, Germany

**OP5-2****IMMUNE INFLAMMATION PECULIARITIES IN ATHEROSCLEROSIS**

Zota Ieremia, Melnic Eugen, Foca Ecaterina

The State Medicine and Pharmacy, Moldavia

**OP5-3****SUDDEN CARDIAC DEATH – A VIEW OF FORENSIC PATHOLOGIST**

Katarzyna Michaud<sup>1</sup>, Hugues Abriel<sup>2</sup>, Vincent Castella<sup>1</sup>, Patrice Mangin<sup>1</sup>

<sup>1</sup> Institut universitaire de médecine légale, Lausanne, Switzerland

<sup>2</sup> Département de pharmacologie et de toxicologie, Lausanne, Switzerland

**OP5-4****ENDOMYOCARDIAL BIOPSY GUIDED BY ELECTROANATOMIC VOLTAGE MAP IN ARRHYTHMOGENIC RIGHT VENTRICULAR CARDIOMYOPATHY**

Paola Francesca Silenzi<sup>1</sup>, Andrea Avella<sup>2</sup>, Augusto Pappalardo<sup>2</sup>, Claudio Tondo<sup>2</sup>, Cira Rosaria Tiziana Di Gioia<sup>1</sup>, Giulia D'Amati<sup>1</sup>

<sup>1</sup> Department of Experimental Medicine, Sapienza University, Rome, Italy

<sup>2</sup> Cardiovascular Department St. Camillo-Forlanini Hospital, Rome, Italy

**OP5-5****ANGIOGENIC MESENCHYMAL STROMAL CELLS DERIVED FROM HUMAN THORACIC AORTAS**

Laura Foroni<sup>1</sup>, Gianandrea Pasquinelli<sup>2</sup>, Pier Luigi Tazzari<sup>3</sup>, Cristiana Vaselli<sup>3</sup>, Marina Buzzi<sup>3</sup>, Gianluca Storci<sup>4</sup>, Francesco Alviano<sup>5</sup>, Francesca Ricci<sup>3</sup>, Massimiliano Bonafè<sup>4</sup>, Catia Orrico<sup>1</sup>, Mauro Gargiulo<sup>1</sup>, Gianpaolo Bagnara<sup>5</sup>, Roberto Conte<sup>3</sup>, Andrea Stella<sup>1</sup>

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<sup>2</sup> Clinical Pathology, Dept. of Experimental Pathology, Italy

<sup>3</sup> Cardiovascular Tissue Bank, Dept. of Haematology, Oncology and Laboratory Medicine, Italy

<sup>4</sup> C. R. B. A, Italy

<sup>5</sup> Department of Histology, Embryology and Applied Biology, Policlinico S. Orsola, University of Bologna, Italy

**OP5-6****LYMPHATIC VESSELS, LYMPHATIC VASCULAR ENDOTHELIAL GROWTH FACTORS AND THEIR RECEPTORS IN HUMAN HEART VALVES**

Ivana Kholová<sup>1</sup>, Svetlana Laidinen<sup>2</sup>, Galina Dragneva<sup>2</sup>, Petra Hájková<sup>3</sup>, Ivo Steiner<sup>3</sup>, Veli-Matti Kosma<sup>1</sup>, Seppo Ylä-Herttua<sup>2</sup>

<sup>1</sup> Pathology Unit, Institute of Clinical Medicine, University of Kuopio and University Hospital, Kuopio, Finland

<sup>2</sup> Department of Biotechnology and Molecular Medicine, A. I. Virtanen Institute for Molecular Medicine, University of Kuopio, Kuopio, Finland

<sup>3</sup> Fingerland Department of Pathology, Charles University Faculty of Medicine and University Hospital, Hradec Králové, Czech Republic

**OP5-7****MORPHOLOGICAL AND IMMUNOHISTOCHEMICAL ANALYSIS OF A SERIES OF 33 CONGENITAL VASCULAR MALFORMATIONS – A SINGLE CENTRE EXPERIENCE**

Nonica Maftelj<sup>1</sup>, Nigel J Standfield<sup>1</sup>, Amanda Forsyth<sup>1</sup>, Michelle Farrar<sup>1</sup>, Louise C Brown<sup>2</sup>, Ann Sandison<sup>1</sup>

<sup>1</sup> Charing Cross Hospital, London, United Kingdom

<sup>2</sup> Imperial College, London, United Kingdom

**Pediatric and Foetoplacental / Perinatal Pathology****08:30 – 10:00****Dolmabahçe C****OP6-1****MORPHOLOGIC, PHENOTYPIC AND CYTOGENETIC CHARACTERIZATION OF THREE ESTABLISHED EWING/PNET CELL LINES**

Rosa Noguera, Isidro Machado, Samuel Navarro, Empar Mayordomo, Marta Piqueras, Antonio Pellin,

Antonio Llombart-Bosch

Department of Pathology, Medical School, University of Valencia, Spain

**OP6-2****POTENTIAL PROGNOSTIC IMPORTANCE OF CHOSEN MORPHOMETRIC CHARACTERISTICS OF THE CELLS OF WILMS' TUMOR AND NEUROBLASTOMA IN CHILDREN**

Jozef Kobos, Piotr Dembski

Department of Pathology of the Age of Development Medical University of Lodz, Poland

**OP6-3****GENETIC ALTERATIONS IN NEPHROBLASTOMAS AND CORRESPONDING NEPHROGENIC RESTS**

Christine Grill<sup>1</sup>, Ivo Leuschner<sup>2</sup>, Otto Dietze<sup>1</sup>, Cornelia Hauser-Kronberger<sup>1</sup>, Barbara Guertl<sup>1</sup>

<sup>1</sup> Department of Pathology, General Hospital and Paracelsus Medical University Salzburg, Austria

<sup>2</sup> Department of Paidopathology, University of Kiel, Germany

**OP6-4****LUNG DEVELOPMENT IN PATIENTS WITH SEVERE HYPOPHOSPHATASIA (HPP): SEVERE EFFECTS DUE TO POOR MECHANICAL FUNCTION**

Cirilo Sotelo-Avila<sup>1</sup>, Richard A. Cahill<sup>1</sup>, Daphne Demello<sup>2</sup>, Deborah Wenkert<sup>3</sup>, Michael P. Whyte<sup>4</sup>

<sup>1</sup> SSM Cardinal Glennon Childrens Medical Center/Saint Louis University, USA

<sup>2</sup> Phoenix Childrens Hospital, USA

<sup>3</sup> Shriners Hospital for Children, St. Louis, USA

<sup>4</sup> Washington University School of Medicine, USA

#### **OP6-5**

##### **FOCAL ADHESION KINASE EXPRESSION IN MOST COMMON PEDIATRIC SOLID TUMORS**

Stamatis Theocharis<sup>1</sup>, Jerzy Klijanienko<sup>1</sup>, Maria Papaefthymiou<sup>2</sup>, Paul Freneau<sup>1</sup>, Jean Michon<sup>1</sup>, Jerome Couturier<sup>1</sup>, Herve Brisse<sup>1</sup>, Philippe Viel<sup>1</sup>, Xavier Sastre<sup>1</sup>

<sup>1</sup> Department of Tumor Biology, Pediatrics and Radiology, Institut Curie, Paris, France

<sup>2</sup> Department of Forensic Medicine and Toxicology, National and Kapodistrian University of Athens, Athens, Greece

#### **OP6-6**

##### **HTERT EXPRESSION IN MALIGNANT PERIPHERAL NERVE SHEATH TUMORS (MPNST) OF PEDIATRIC AGE: CORRELATION WITH TUMOR GRADE AND PROGNOSIS.**

Sara Pizzi<sup>1</sup>, Patrizia Dall'Igna<sup>2</sup>, Emanuele S. G. D'Amore<sup>3</sup>, Claudio Gambini<sup>4</sup>, Paolo Nozza<sup>4</sup>, Angela Rita Sementa<sup>4</sup>, Vito Ninfo<sup>1</sup>, Gianni Bisogno<sup>2</sup>, Rita Alaggio<sup>1</sup>

<sup>1</sup> University of Padova, Pathology Department, Padova, Italy

<sup>2</sup> University of Padova Pediatric Oncology and Surgery Departments, Padova, Italy

<sup>3</sup> Ospedale S. Bortolo, Pathology Department, Vicenza, Italy

<sup>4</sup> Istituto G. Gaslini, Pathology Department, Genova, Italy

#### **OP6-7**

##### **ACTIVATION OF THE PI3K/AKT PATHWAY IN NEUROBLASTOMA**

Herve Sartelet<sup>1</sup>, Marine Castaing<sup>2</sup>, Monique Fabre<sup>3</sup>, Jacques Bosq<sup>2</sup>, Anne-Laure Rougemont<sup>1</sup>, Stefan Michiels<sup>2</sup>, Gilles Vassal<sup>2</sup>

<sup>1</sup> CHU Sainte Justine, Montreal, Canada

<sup>2</sup> Institut Gustave Roussy, Villejuif, France

<sup>3</sup> CHU Kremlin Bicêtre, le Kremlin Bicêtre, France

#### **OP6-8**

##### **MORPHOLOGICAL AND IMMUNOHISTOCHEMICAL CHANGES OF PLACENTA OF WOMEN WITH MULTIFETAL PREGNANCIES REDUCED TO TWINS**

Tamara Zadorozhna<sup>1</sup>, Larisa Tumanova<sup>1</sup>, Olena Ryabenko<sup>2</sup>

<sup>1</sup> Institute of Pediatrics, Obstetrics and Gynaecology, Ukraine

<sup>2</sup> Clinic of Reproductive Medicine 'Nadija', Ukraine

#### **OP6-9**

##### **ESTIMATION OF APOPTOSIS IN PLACENTAS WITH INTRAUTERINE GROWTH RETARDATION**

Nikolaos Kavantzias, George Agrogiannis, Emmanuel Agapitos, Sofia Tseleni, Efstratios Patsouris

National and Kapodistrian University of Athens, School of Medicine, 1st Dept of Pathology, Greece

## **Liver Pathology**

**11:00 – 12:00**

### **Dolmabahçe A**

#### **OP7-1**

##### **E-CADHERIN/CATENIN COMPLEX AND THE RECENTLY IDENTIFIED DYSADHERIN ARE DIFFERENTIALLY EXPRESSED IN PRIMARY LIVER TUMOURS**

Alexander Charalabopoulos<sup>1</sup>, Anna Batistatou<sup>2</sup>, Konstantinos Charalabopoulos<sup>3</sup>, Yukihiko Nakanishi<sup>4</sup>, Setsuo Hirohashi<sup>4</sup>, Angelos Kappas<sup>5</sup>, Niki Agnantis<sup>2</sup>

<sup>1</sup> Department of Surgery, Ioannina University Medical School, Ioannina, Greece and Department of Surgery, Peterborough and Stamford Hospitals, Cambridgeshire, United Kingdom

<sup>2</sup> Department of Pathology, Ioannina University Medical School, Ioannina, Greece

<sup>3</sup> Department of Physiology, Ioannina University Medical School, Ioannina, Greece

<sup>4</sup> Pathology Division, National Cancer Center Research Institute, Tokyo, Japan

<sup>5</sup> Department of Surgery, Ioannina University Medical School, Ioannina, Greece

#### **OP7-2**

##### **HEPATOCELLULAR CARCINOMA IN ALPHA-1-ANTITRYPSIN DEFICIENCY: A GENOTYPE STUDY IN SINGLE NEOPLASTIC AND NON-NEOPLASTIC HEPATOCYTES.**

Simona Saccani<sup>1</sup>, Paola Francalanci<sup>2</sup>, Filippo Maria Santorelli<sup>3</sup>, Francesca Minnei<sup>2</sup>, Pierpaolo Comi<sup>1</sup>, Gavino Faa<sup>1</sup>, Francesco Callea<sup>2</sup>

<sup>1</sup> Department of Pathology, University of Cagliari, Cagliari, Italy

<sup>2</sup> Department of Pathology, "Bambino Gesù" Children's Hospital, Rome, Italy

<sup>3</sup> Unit of Molecular Medicine, "Bambino Gesù" Children's Hospital, Rome, Italy

**OP7-3****CLUSTERIN EXPRESSION IN CHOLESTASIS AND LIVER FIBROSIS**

Aigelsreiter Ariane<sup>1</sup>, Janig Elke<sup>2</sup>, Halasz Judit<sup>3</sup>, Lackner Carolin<sup>1</sup>, Sostaric Julia<sup>1</sup>, Pichler Martin<sup>1</sup>, Stumptner Cornelia<sup>1</sup>, Unterthor Daniela<sup>1</sup>, Kufferath Iris<sup>1</sup>, Zatloukal Kurt<sup>1</sup>, Denk Helmut<sup>1</sup>

<sup>1</sup>Institute of Pathology, Medical University Graz, Austria

<sup>2</sup>Department of Dermatology and Venereology, Medical University Graz, Austria

<sup>3</sup>2nd Department of Pathology, Semmelweis University Budapest, Hungary

**OP7-4****PROTEIN PROFILING OF CHOLANGIOCARCINOMA: ARE HILAR AND INTRAHEPATIC CHOLANGIOCARCINOMAS DIFFERENT MOLECULAR ENTITIES?**

Guedj Nathalie, Perigny Martine, Degos Françoise, Belghiti Jacques, Farges Olivier, Bedossa Pierre, Paradis Valérie Beaujon, Clichy, France

**OP7-5****TRANSCRIPTION FACTORS FBP-1 AND FBP-3 AND THEIR REPRESSOR FIR ARE PRO-TUMORIGENIC FACTORS IN HEPATO-CARCINOGENESIS**

Weber Achim<sup>1</sup>, Malz Mona<sup>2</sup>, Ehemann Volker<sup>2</sup>, Schirmacher Peter<sup>2</sup>, Breuhahn Kai<sup>2</sup>

<sup>1</sup>Department of Pathology, Institute of Clinical Pathology, University Zurich, Switzerland

<sup>2</sup>Institute of Pathology, University Heidelberg, Germany

**OP7-6****SIGNIFICANCE OF THE E-CADHERIN REPRESSOR SNAIL IN PANCREATIC, AMPULLARY, AND SMALL BOWEL CARCINOMAS**

Yesim Gurbuz<sup>1</sup>, Karl-Friedrich Becker<sup>2</sup>

<sup>1</sup>Kocaeli University, Medical Faculty-Department of Pathology, Turkey

<sup>2</sup>Technical University of Munich-Institute of Pathology, Germany

**Electron Microscopy****11:00 – 12:00****Dolmabahçe C****OP8-1****HUMAN SPERMATID CENTRIOLE ABNORMALITIES ARE CAUSATIVE FOR INTRACYTOPLASMIC SPERM INJECTION (ICSI) FERTILIZATION FAILURE.**

Josef Schroeder<sup>1</sup>, Ferdinand Hofstaedter<sup>1</sup>, Monika Bals-Pratsch<sup>2</sup>, Bernd Paulmann<sup>2</sup>, Dagmar Seifert<sup>2</sup>, Bernd Seifert<sup>2</sup>

<sup>1</sup>Pathology Department, University Hospital Regensburg, Germany

<sup>2</sup>Center for Gynaecologic Endocrinology, Reproductive Medicine and Human Genetic, Regensburg, Germany

**OP8-3****DIFFERENTIAL DIAGNOSIS OF CLINICALLY NONFUNCTIONING PITUITARY ADENOMAS WITH IMMUNOHISTOCHEMICAL AND ELECTRON-MICROSCOPY METHODS**

Maria Maksymowicz<sup>1</sup>, Włodzimierz T. Olszewski<sup>1</sup>, Grzegorz Zielinski<sup>2</sup>, Jan K. Podgorski<sup>2</sup>

<sup>1</sup>Department of Pathology, M. Skłodowska-Curie Memorial Cancer Center, Warsaw, Poland

<sup>2</sup>Department of Neurosurgery, Medical Military Institute, Warsaw, Poland

**OP8-4****WHEN DOES THE CORNEA DIE?**

Jon Klok Slettedal<sup>1</sup>, Magnus Roger<sup>1</sup>, Kahsai Beraki<sup>1</sup>, Torstein Lyberg<sup>2</sup>, Bjorn Nicolaisen<sup>3</sup>

<sup>1</sup>Department of Pathology, Ullevaal University Hospital, Oslo, Norway

<sup>2</sup>Center for Clinical Research, Ullevaal University Hospital, Oslo, Norway

<sup>3</sup>Center for Eye Research, Department of Ophthalmology, Ullevaal University Hospital, Oslo, Norway

**OP8-5****DETECTION OF SILICA PARTICLES IN LUNG TISSUE BY ENVIRONMENTAL SCANNING ELECTRON MICROSCOPY**

Matteo Corradin<sup>1</sup>, Davide Zardo<sup>1</sup>, Claudio Furlan<sup>2</sup>, Bruno Murer<sup>3</sup>, Massimo Montisci<sup>4</sup>, Laura Ventura<sup>5</sup>, Ambrogio Fassina<sup>1</sup>

<sup>1</sup>Department of Pathology, University of Padova, Italy

<sup>2</sup>CUGAS, University of Padova, Italy

<sup>3</sup>Department of Pathology, Mestre Hospital, Italy

<sup>4</sup>Department of Forensic Medicine, University of Padova, Italy

<sup>5</sup>Department of Statistics, University of Padova, Italy

**OP8-6****ULTRASTRUCTURAL AND STEREOMETRICAL PARAMETERS OF THE PLACENTAL BARRIER UNDER HYPOXIA CONDITIONS**

Ganna Mylovydova<sup>1</sup>, Olga Reshetnikova<sup>2</sup>, Igor Nalcha<sup>1</sup>, Yuriy Avdosyev<sup>1</sup>

<sup>1</sup>Laboratory of Pathomorphology, Institute of General and Urgent Surgery of Academy of Medical Sciences of Ukraine, Ukraine

<sup>2</sup>Department of Pathologic Anatomy, Lugansk State Medical University, Ukraine

**Breast Pathology****14:30 – 16:00****Dolmabahçe A****OP9-2****DIFFERENT PROGNOSTIC ROLE OF MUTATIONS IN THE HELICAL AND KINASE DOMAINS OF THE PIK3CA GENE IN BREAST CARCINOMAS.**

Mattia Barbareschi<sup>1</sup>, Fiamma Buttitta<sup>2</sup>, Lara Felicioni<sup>2</sup>, Sabrina Cotrupi<sup>1</sup>, Fabio Barassi<sup>2</sup>, Maela Del Grammastro<sup>2</sup>, Antonella Ferro<sup>3</sup>, Paolo Dalla Palma<sup>4</sup>, Enzo Galligioni<sup>3</sup>, Antonio Marchetti<sup>2</sup>

<sup>1</sup>Unit of Surgical Pathology, Laboratory of Molecular Pathology, S. Chiara Hospital, Trento, Italy

<sup>2</sup>Clinical Research Center, Center of Excellence on Aging, University-Foundation, Chieti, Italy

<sup>3</sup>Unit of Medical Oncology, S. Chiara Hospital, Trento, Italy

<sup>4</sup>Unit of Surgical Pathology, Laboratory of Molecular Pathology, S. Chiara Hospital, Trento, Italy

**OP9-3****INTRATUMORAL T LYMPHOCYTES ARE A PREDICTIVE MARKER OF RESPONSE TO NEOADJUVANT CHEMOTHERAPY IN BREAST CARCINOMA**

Helena Hornychova<sup>1</sup>, Bohuslav Melichar<sup>2</sup>, Marketa Tomsova<sup>1</sup>, Ales Ryska<sup>1</sup>

<sup>1</sup>Department of Pathology, Charles University Faculty of Medicine & Faculty Hospital, Hradec Králové, Czech Republic

<sup>2</sup>Departments of Oncology & Radiotherapy and of Medicine, Charles University Faculty of Medicine & Faculty Hospital, Hradec Králové, Czech Republic

**OP9-4****HER2 OVER-EXPRESSION QUANTITATIVELY ACT ON LEVEL OF PROLIFERATION IN BREAST CANCER**

Semyon Petrov, Gregory Raskin, Roustem Khasanov

Kazan Cancer Center, Russia

**OP9-5****MAY THE QUANTIFICATION OF ESTROGEN RECEPTOR MRNA SERVE AS THE BASIS FOR MOLECULAR PROFILING OF BREAST CARCINOMAS?**

Piotr Potemski, Renata Kusinska, Andrzej Bednarek, Elzbieta Pluciennik, Grazyna Pasz-Walczak,

Dorota Jesionek-Kupnicka, Robert Kubiak, Radzislaw Kordek

Department of Oncology, Medical University in Lodz, Poland

**OP9-6****PSEUDOANGIOMATOUS STROMAL HYPERPLASIA (PASH) TUMORS ON CORE NEEDLE BIOPSY (CNB): IS EXCISION NECESSARY?**

Marco Ferreira<sup>1</sup>, Nilesh Gupta<sup>2</sup>, Erika Resetkova<sup>2</sup>

<sup>1</sup>Servico de Anatomia Patológica, Instituto Português de Oncologia de Lisboa Francisco Gentil, E. P. E. , Lisboa, Portugal

<sup>2</sup>The Department of Pathology, The University of Texas M. D. Anderson Cancer Center, Houston, Texas, USA

**OP9-7****NEAR TILING MICROARRAY-BASED CGH IDENTIFIES CCNE1 AMPLIFICATION IN BASAL-LIKE BREAST CANCER**

Rachael Natrajan<sup>1</sup>, Socorro Maria Rodriguez Pinilla<sup>2</sup>, Caterina Marchio<sup>1</sup>, Radost Vatcheva<sup>1</sup>, Kay Savage<sup>1</sup>, Alan Mackay<sup>1</sup>, Kerry Fenwick<sup>1</sup>, Narinder Tamber<sup>1</sup>, Jose Palacios<sup>2</sup>, Alan Ashworth<sup>1</sup>, Jorge Sergio Reis-Filho<sup>1</sup>

<sup>1</sup>The Breakthrough Breast Cancer Research Centre, Institute of Cancer Research, London, United Kingdom

<sup>2</sup>Breast and Gynaecological Cancer Group, Molecular Pathology Programme, Centro Nacional de Investigaciones Oncológicas (CNIO), Madrid, Spain

**OP9-8****BASAL-LIKE PHENOTYPE IS FREQUENT IN INVASIVE BREAST CARCINOMA FROM UGANDAN AFRICANS AND IS STRONGLY ASSOCIATED WITH A HIGH EXPRESSION OF EGFR/C-KIT AND FEATURES OF AGGRESSIVE TUMORS**

Hawa Nalwoga<sup>1</sup>, Jarle Arnes<sup>2</sup>, Henry Wabinga<sup>3</sup>, Lars Andreas Akslen<sup>2</sup>

<sup>1</sup>Department of Pathology, The Gade Institute, Haukeland University Hospital, University of Bergen, Bergen, Norway and Department of Pathology, Faculty of Medicine, Makerere University, Kampala, Uganda

<sup>2</sup>Department of Pathology, The Gade Institute, Haukeland University Hospital, University of Bergen, Bergen, Norway

<sup>3</sup>Department of Pathology, Faculty of Medicine, Makerere University, Kampala, Uganda

**OP9-9****VASCULAR PROLIFERATION IS A STRONG AND INDEPENDENT PROGNOSTIC FACTOR IN BREAST CANCER**

Jarle Arnes<sup>1</sup>, Ingunn Stefansson<sup>1</sup>, Jean-Sebastien Brunet<sup>2</sup>, William Foulkes<sup>2</sup>, Lars Andreas Akslen<sup>1</sup>

<sup>1</sup>The Gade Institute, Haukeland University Hospital, Bergen, Norway

<sup>2</sup>Program in Cancer Genetics, McGill University, Montréal, Québec, Canada

**Endocrine Pathology****14:30 – 16:00****Dolmabahçe C****OP10-1****TUMORS OF UNCERTAIN MALIGNANT POTENTIAL OF THE THYROID : MYTH OR REALITY ? AN HISTO-MOLECULAR ANALYSIS OF 24 CONSECUTIVE CASES FROM A SINGLE INSTITUTION**

Hofman Véronique<sup>1</sup>, Lassalle Sandra<sup>1</sup>, Butori Catherine<sup>1</sup>, Brest Patrick<sup>2</sup>, Guevara Nicolas<sup>3</sup>, Santini José<sup>3</sup>, Franc Brigitte<sup>4</sup>,

Hofman Paul<sup>1</sup>

<sup>1</sup>Laboratory of Clinical and Experimental Pathology, Human Tissue Biobank, INSERM ERI-21, University of Nice, Nice, France

<sup>2</sup>INSERM ERI-21, University of Nice, Nice, France

<sup>3</sup>Department of Oto-Rhino-Laryngology, University of Nice, Nice, France

<sup>4</sup>Department of Pathology, Ambroise Paré Hospital, Boulogne, France

**OP10-2****IMMUNOHISTOCHEMICAL STUDY OF PROTHYMOSIN- $\alpha$ , Ki67 AND p53 IN BENIGN AND MALIGNANT THYROID DISEASE**

Anna Tanoglidis<sup>1</sup>, Persefoni Klimentzou<sup>2</sup>, Maria Paravatou-Petsota<sup>2</sup>, Spyros Kalantzakis<sup>1</sup>, Olga Pantartzis<sup>1</sup>,

Maria Tsopanomichalou<sup>1</sup>, Ekaterini Tsikou-Papafragou<sup>1</sup>, Evagelia Livaniou<sup>2</sup>, Calypso Barbatis<sup>1</sup>

<sup>1</sup>Hellenic Red Cross Hospital, Greece

<sup>2</sup>NCSR Demokritos, Athens, Greece

**OP10-3****CELL-MATRIX INTERACTIONS IN ADRENOCORTICAL CARCINOMA: PATHOGENETIC ISSUES AND DIAGNOSTIC IMPLICATIONS**

Marco Volante<sup>1</sup>, Elena Allia<sup>2</sup>, Veronica Tavaglione<sup>1</sup>, Enrico Bollito<sup>3</sup>, Rosj Rosas<sup>1</sup>, Ida Rapa<sup>1</sup>, Massimo Terzolo<sup>1</sup>,

Alfredo Berruti<sup>1</sup>, Mauro Papotti<sup>1</sup>

<sup>1</sup>Department of Clinical and Biological Sciences, San Luigi Hospital, University of Turin, Italy

<sup>2</sup>Department of Biomedical Sciences and Human Oncology, University of Turin, Italy

<sup>3</sup>Pathology Unit, San Luigi Hospital, Italy

**OP10-4****DUODENAL AND PANCREATIC SOMATOSTATIN-PRODUCING NEUROENDOCRINE TUMORS: INCIDENCE, TYPES, BIOLOGICAL BEHAVIOR, ASSOCIATION WITH INHERITED SYNDROMES, AND FUNCTIONAL ACTIVITY**

Nele Garbrecht<sup>1</sup>, Martin Anlauf<sup>1</sup>, Anja Schmitt<sup>2</sup>, Tobias Henopp<sup>1</sup>, Holger Moch<sup>2</sup>, Phillip U. Heitz<sup>2</sup>, Paul Komminoth<sup>2</sup>,

Aurel Perren<sup>3</sup>, Guenter Kloppel<sup>1</sup>

<sup>1</sup>Department of Pathology, University of Kiel, Germany

<sup>2</sup>Department of Pathology, University Hospital of Zurich, Switzerland

<sup>3</sup>Department of Pathology, Technical University, Munich, Germany

**OP10-5****HUMAN ASH1 TRANSCRIPTION FACTOR EXPRESSION IN PROSTATE CANCER WITH NEUROENDOCRINE DIFFERENTIATION**

Marco Volante<sup>1</sup>, Ida Rapa<sup>1</sup>, Paolo Ceppi<sup>1</sup>, Enrico Bollito<sup>2</sup>, Rosj Rosas<sup>1</sup>, Elisa Bacillo<sup>1</sup>, Susanna Cappia<sup>2</sup>, Giorgio Scagliotti<sup>1</sup>,

Alfredo Berruti<sup>1</sup>, Mauro Papotti<sup>1</sup>

<sup>1</sup>Department of Clinical and Biological Sciences at San Luigi Hospital, University of Turin, Orbassano, Turin, Italy

<sup>2</sup>Pathology Unit, San Luigi Hospital, Orbassano, Turin, Italy

**OP10-6****CYTOKERATINS 8 AND 18 IN SILENT PITUITARY ADENOMAS: FROM IMMUNOHISTOCHEMISTRY TO PROGNOSIS**

Chiara Villa, Patrizia Morbini, Solcia Enrico

Policlinico S. Matteo/Università di Pavia, Italy

#### OP10-7

##### **DNA COPY NUMBER STATUS IS A POWERFUL PREDICTOR OF POOR SURVIVAL IN ENDOCRINE PANCREATIC TUMOR PATIENTS**

Yvonne Jonkers<sup>1</sup>, Sandra Claessen<sup>1</sup>, Aurel Perren<sup>2</sup>, Am Schmitt<sup>2</sup>, Leo Hofland<sup>3</sup>, Wouter De Herder<sup>3</sup>, Ronald De Krijger<sup>4</sup>, Albert Verhofstad<sup>5</sup>, Ar Hermus<sup>6</sup>, Alain Kummer<sup>7</sup>, Britt Skogseid<sup>8</sup>, Marco Volante<sup>9</sup>, Adri Voogd<sup>10</sup>, Frans Ramaekers<sup>1</sup>, Ernst-Jan Speel<sup>1</sup>

<sup>1</sup>Department of Molecular Cell Biology, University of Maastricht, Netherlands

<sup>2</sup>Department of Pathology, University of Zurich, Switzerland

<sup>3</sup>Department of Internal Medicine, Erasmus MC Rotterdam, Netherlands

<sup>4</sup>Department of Pathology, Erasmus MC Rotterdam, Netherlands

<sup>5</sup>Department of Pathology, Radboud UMC Nijmegen, Netherlands

<sup>6</sup>Department of Endocrinology, Radboud UMC Nijmegen, Netherlands

<sup>7</sup>Department of Pathology, UMC Utrecht, Netherlands

<sup>8</sup>Department of Medical Sciences, University of Uppsala, Sweden

<sup>9</sup>Department of Clinical and Biological Sciences, University of Turin and San Luigi Hospital, Orbassano-Torino, Italy

<sup>10</sup>Department of Epidemiology, University of Maastricht, Netherlands

#### OP10-8

##### **THE COEXISTENCE OF PRIMARY HYPERPARATHYROIDISM AND PAPILLARY THYROID CARCINOMA**

Ahmet Korkut Belli<sup>1</sup>, Yusuf Bukey<sup>1</sup>, Figen Aksoy<sup>2</sup>

<sup>1</sup>Cerrahpasa Med. School Department of General Surgery Endocrine Division, Turkey

<sup>2</sup>Cerrahpasa Med. School Department of Pathology Endocrine Division, Turkey

#### OP10-9

##### **PAPILLARY THYROID CARCINOMA GENE EXPRESSION PROFILE: SEARCHING FOR GENES RESPONSIBLE FOR ITS SPECIFIC HISTOMORPHOLOGICAL FEATURES.**

Mykola Chekan<sup>1</sup>, Michal Jarzab<sup>2</sup>, Mieczyslaw Snietura<sup>3</sup>, Dariusz Lange<sup>3</sup>, Barbara Jarzab<sup>1</sup>

<sup>1</sup>Maria Sklodowska-Curie Memorial Cancer Center and Institute of Oncology, Branch Gliwice, Nuclear Medicine and Endocrine Oncology Department, Poland

<sup>2</sup>Maria Sklodowska-Curie Memorial Cancer Center and Institute of Oncology, Branch Gliwice, Tumor Biology Department, Poland

<sup>3</sup>Maria Sklodowska-Curie Memorial Cancer Center and Institute of Oncology, Branch Gliwice, Tumor Pathology Department, Poland

## **Breast Pathology**

**16:30 – 17:30**

### **Dolmabahçe A**

#### OP11-1

##### **HER2/ TOP2A AMPLICON IN BREAST: A MICROARRAY-BASED AND CHROMOGENIC IN SITU HYBRIDISATION ANALYSIS**

Eduarne Arriola<sup>1</sup>, Maryou Lambros<sup>1</sup>, Caterina Marchio<sup>1</sup>, David Tan<sup>1</sup>, Rachael Natrajan<sup>1</sup>, Socorro Maria Rodriguez-Pinilla<sup>2</sup>, Narinder Tamber<sup>1</sup>, Kerry Fenwick<sup>1</sup>, Alan Mackay<sup>1</sup>, Chris Jones<sup>3</sup>, Alan Ashworth<sup>1</sup>, Jorge S Reis-Filho<sup>1</sup>

<sup>1</sup>The Breakthrough Breast Cancer Research Centre, Institute of Cancer Research, London, United Kingdom

<sup>2</sup>CNIO, Madrid, Spain

<sup>3</sup>Section of Paediatric Oncology, Institute of Cancer Research, Sutton, United Kingdom

#### OP11-2

##### **ANALYSIS OF BREAST NORMAL AND TUMOR TISSUES BY USING MICROIMAGING FOURIER TRANSFORM INFRARED (FT-IR) SPECTROSCOPY**

Christos Valavanis<sup>1</sup>, Evridiki Boukaki<sup>1</sup>, Stefanos Konstadoudakis<sup>1</sup>, Petroula Arapantoni-Dadioti<sup>1</sup>, Joanna Anastasopoulou<sup>2</sup>, Theophillos Theophanides<sup>2</sup>, C Conti<sup>3</sup>, P Ferrari<sup>3</sup>, E Giorgini<sup>3</sup>, C Rubini<sup>3</sup>, S Sabbatini<sup>3</sup>, G Tosi<sup>3</sup>

<sup>1</sup>Molecular Pathology Unit, METAXA Cancer Hospital, Piraeus, Greece

<sup>2</sup>Radiation Chemistry and Biospectroscopy Laboratory, Chemical Engineering Department, National Technical University of Athens, Zografou Campus, 15780 Zografou, Athens, Greece

<sup>3</sup>Dipartimento di Scienze e Tecnologie Chimiche - Dip. di Neuroscienze, Università Politecnica delle Marche, via Brecce Bianche, 60131 Ancona, Italy

#### OP11-3

##### **ANALYSIS OF THE EFFECTS OF A HIGH CORN OIL AND A HIGH OLIVE OIL DIET ON THE HISTOPATHOLOGIC CHARACTERISTICS AND ON P21RAS EXPRESSION IN DMBA-INDUCED RAT MAMMARY ADENOCARCINOMAS**

Irmgard Costa<sup>1</sup>, Raquel Moral<sup>2</sup>, Montserrat Solanas<sup>2</sup>, Laura Grau<sup>2</sup>, Francisco Javier Andreu<sup>3</sup>, Merce Rey<sup>3</sup>, Eduard Escrich<sup>2</sup>

<sup>1</sup>Department of Cell Biology, Physiology and Immunology. Medical School. Universitat Autònoma de Barcelona and Department of Pathology; Corporació Parc Taulí-UDIAT, Barcelona, Spain

<sup>2</sup>Department of Cell Biology, Physiology and Immunology. Physiology Unit. Medical School. Universitat Autònoma de Barcelona. Barcelona, Spain.

<sup>3</sup>Department of Pathology; Corporació Parc Taulí-UDIAT. Parc Taulí s/n. 08208 Sabadell (Barcelona), Spain

#### **OP11-4**

##### **NESTIN POSITIVE MYOEPIHELIAL / PROGENITOR CELLS IN THE BREAST**

Zdenek Kolar<sup>1</sup>, Jiri Ehrmann Jr.<sup>1</sup>, Gulisa Turashvili<sup>1</sup>, Jan Bouchal<sup>1</sup>, Josef Skarda<sup>1</sup>, Jaroslav Mokry<sup>2</sup>

<sup>1</sup>Department of Pathology and Laboratory of Molecular Pathology, Faculty of Medicine and Dentistry, Palacky University, Hnevotinska 3, CZ-77515 Olomouc, Czech Republic

<sup>2</sup>Department of Histology and Embryology, Faculty of Medicine, Charles University, Hradec Kralove, Czech Republic

#### **OP11-5**

##### **TPL2/COT AS A NEW PROGNOSTIC AND PREDICTIVE FACTOR IN BREAST CANCER?**

Zuzana Krcova<sup>1</sup>, Jiri Ehrmann Jr.<sup>1</sup>, Aristides Eliopoulos<sup>2</sup>, Gulisa Turashvili<sup>1</sup>, Jiri Klein<sup>3</sup>, Josef Skarda<sup>1</sup>, Eddie Fridman<sup>4</sup>, Veronika Krejci<sup>1</sup>, Jana Zapletalova<sup>5</sup>, Zdenek Kolar<sup>1</sup>

<sup>1</sup>Department of Pathology and Laboratory of Molecular Pathology, Faculty of Medicine and Dentistry, Palacky University, Olomouc, Czech Republic

<sup>2</sup>Molecular and Cellular Biology Laboratory, Basic Science Division, University of Crete Medical School, Heraklion, Crete, Greece

<sup>3</sup>Ist Department of Surgery, Faculty of Medicine and Dentistry, Palacky University, Olomouc, Czech Republic

<sup>4</sup>Department of Pathology, Sheba Medical Centre, Tel-Hashomer, Israel

<sup>5</sup>Department of Medical Biometry, Faculty of Medicine and Dentistry, Palacky University, Olomouc, Czech Republic

#### **OP11-6**

##### **MORPHOLOGICAL AND MOLECULAR EVOLUTIONARY PATHWAYS OF LOW AND HIGH GRADE BREAST CANCERS AND THEIR PUTATIVE PRECURSOR LESIONS**

Tarek Abdel-Fatah<sup>1</sup>, Desmond Powe<sup>1</sup>, Zsolt Hodi<sup>1</sup>, Jorge Reis-Filho<sup>2</sup>, Andrew Lee<sup>1</sup>, Ian Ellis<sup>1</sup>

<sup>1</sup>Division of Pathology, School of Molecular Medical Sciences and Nottingham University Hospitals Trust, University of Nottingham, Nottingham, United Kingdom

<sup>2</sup>The Breakthrough Breast Cancer Research Centre, Institute of Cancer Research, London, United Kingdom

## **Molecular Pathology**

**16:30 – 17:30**

### **Dolmabahçe C**

#### **OP12-1**

##### **IS BACTERIAL TRANSLOCATION IN CROHN'S DISEASE DEPENDENT ON CARD15 GENOTYPE?**

Gert De Hertogh<sup>1</sup>, Jeroen Aerssens<sup>2</sup>, Peter Van Eyken<sup>1</sup>, Paul Rutgeerts<sup>3</sup>, Karel Geboes<sup>1</sup>

<sup>1</sup>Department of Pathology, UZ KUL, Leuven, Belgium

<sup>2</sup>Johnson & Johnson Pharmaceutical Research & Development, Beerse, Belgium

<sup>3</sup>Department of Gastroenterology, UZ KUL, Leuven, Belgium

#### **OP12-2**

##### **HEDGEHOG PATHWAY IN COLONIC LESIONS**

Alinger Beate, Aberger Fritz, Strasser Felix, Dietze Otto, [Hauser-Kronberger Cornelia](#)

Department of Pathology, General Hospital and Paracelsus Medical University Salzburg, Salzburg, Austria

#### **OP12-3**

##### **HEDGEHOG SIGNALING IN THE PANCREATIC NEUROENDOCRINE SYSTEM AND MALIGNANT TUMORS**

Alinger Beate, Mayrhauser Ursula, Lechner Berta, Dietze Otto, [Hauser-Kronberger Cornelia](#)

Department of Pathology, General Hospital and Paracelsus Medical University Salzburg, Salzburg, Austria

#### **OP12-4**

##### **QUANTITATIVE MONITORING OF THE MRNA LEVELS OF CYCLIN D1 AND PROLIFERATION MARKERS (Ki-67, TOPOISOMERASE II $\alpha$ , AND TPX2) ASSOCIATED WITH UNFAVORABLE PROGNOSIS IN PATIENTS WITH MANTLE CELL LYMPHOMA**

Helena Brizova, Marcela Mrhalova, Roman Kodet

Department of Pathology and Molecular Medicine, 2nd Medical School, Charles University in Prague, Czech Republic

#### **OP12-5**

##### **MINIMAL DISSEMINATED DISEASE IN ALVEOLAR RHABDOMYOSARCOMA USING PAX3/FKHR AND PAX7/FKHR FUSION GENES.**

Lenka Krsková<sup>1</sup>, Marketa Kalinova<sup>1</sup>, Alenka Augustinakova<sup>1</sup>, Irena Hilska<sup>1</sup>, Eva Drahokoupilova<sup>2</sup>, Roman Kodet<sup>1</sup>

<sup>1</sup>Department of Pathology and Molecular Medicine, 2nd Medical School, Charles University in Prague, Czech Republic

<sup>2</sup>Department of Pediatric Hematology and Oncology, 2nd Medical School, Charles University in Prague, Czech Republic

**Breast Pathology**  
**17:30 – 19:30**  
**Dolmabahçe A**

**OP13-1**

**CD44 (H-CAM) EXPRESSION IN BREAST CARCINOMA. AN EXPERIENCE OF 314 CONSECUTIVE CASES IN VERONA**

Marta Gobatto, Erminia Manfrin, Andrea Remo, Daniela Reghellin, Daniela Dalfior, Claudia Canizzaro, Rosanna Loss, Maria Paola Rapagnani, Marco Vergine, Marco Chilosi, Fabio Menestrina, Franco Bonetti  
Department of Pathology, University of Verona, Italy

**OP13-2**

**MOLECULAR GENETICS AND IMMUNOPHENOTYPICAL CHARACTERIZATION OF MICROPAPILLARY CARCINOMAS OF THE BREAST**

Caterina Marchio<sup>1</sup>, Marjan Irvani<sup>1</sup>, Rachael Natrajan<sup>1</sup>, Maryou Lambros<sup>1</sup>, Michelle James<sup>1</sup>, Kay Savage<sup>1</sup>, Alan Mackay<sup>1</sup>, Kerry Fenwick<sup>1</sup>, Narinder Tamber<sup>1</sup>, Fernando C Schmitt<sup>2</sup>, Alan Ashworth<sup>1</sup>, Ian Ellis<sup>3</sup>, Anna Sapino<sup>4</sup>, Gianni Bussolati<sup>4</sup>, Jorge S Reis-Filho<sup>1</sup>

<sup>1</sup>The Breakthrough Breast Cancer Research Centre, Institute of Cancer Research, London, United Kingdom

<sup>2</sup>IPATIMUP, Porto, Portugal

<sup>3</sup>University of Nottingham, Nottingham, United Kingdom

<sup>4</sup>University of Torino, Torino, Italy

**OP13-3**

**MAMMAGLOBIN, A USEFUL ADDITION TO THE CURRENTLY AVAILABLE IMMUNOHISTOCHEMICAL MARKERS FOR THE DETECTION OF METASTATIC BREAST CARCINOMA**

Gitte Nielsen, Betsy Spaulding  
Dako North America, USA

**OP13-4**

**IMMUNOHISTOCHEMICAL ANALYSIS OF TOPOISOMERASEII $\alpha$  EXPRESSION IN SPORADIC INVASIVE BREAST ADENOCARCINOMAS**

Christos Valavanis<sup>1</sup>, Katerina Koutsoubi<sup>2</sup>, Theofani Gavrese<sup>1</sup>, Maria Terzi<sup>1</sup>, Amalia Patereli<sup>2</sup>, Nikiforos Apostolikas<sup>2</sup>, Petroula Arapantoni-Dadioti<sup>1</sup>

<sup>1</sup>Molecular Pathology Unit, Dept. of Pathology, METAXA Cancer Hospital, Piraeus, Greece

<sup>2</sup>Department of Pathology, St. Savvas Cancer Hospital, Athens, Greece

**OP13-5**

**ANALYSIS OF HER-2/NEU EXPRESSION AND GENE AMPLIFICATION IN 1020 INFILTRATING BREAST CARCINOMAS BY IHC AND CISH. CORRELATION WITH TUMOR TYPE, HISTOLOGICAL GRADE, LYMPH NODE STATUS AND ER $\alpha$ , PGR, P53 AND Ki-67 EXPRESSION. THE HELLENIC MULTICENTER STUDY**

Christos Valavanis<sup>1</sup>, Katerina Koutsoubi<sup>2</sup>, Sofia Kouneli<sup>3</sup>, Nikiforos Kapranos<sup>4</sup>, Maria Sotiropoulou<sup>5</sup>, Frida Patakiouta<sup>6</sup>, Helen Trihia<sup>1</sup>, George Morphopoulos<sup>7</sup>, Irene Papaspyrou<sup>5</sup>, Elisabeth Georgiadou<sup>7</sup>, Theofani Toliou<sup>6</sup>, Sofia Markaki<sup>5</sup>, Efi Bairaktari<sup>3</sup>, Nikiforos Apostolikas<sup>2</sup>, Petroula Arapantoni-Dadioti<sup>1</sup>

<sup>1</sup>Molecular Pathology Unit, Department of Pathology, METAXA Cancer Hospital, Piraeus, Greece

<sup>2</sup>Department of Pathology, St. Savvas Cancer Hospital, Greece

<sup>3</sup>Department of Pathology, H. Venizelou General Hospital, Athens, Greece

<sup>4</sup>Department of Pathology/Molecular Pathology, Mitera General Hospital, Athens, Greece

<sup>5</sup>Department of Pathology, Alexandra General Hospital, Athens, Greece

<sup>6</sup>Department of Pathology, Theageneio Cancer Hospital, Thessaloniki, Greece

<sup>7</sup>Department of Pathology, A. Fleming General Hospital, Athens, Greece

**OP13-6**

**ANALYSIS OF THE CONCORDANCE BETWEEN THE BI-RADS CLASSIFICATION WITH USNCB AND BETWEEN USNCB WITH DEFINITIVE HISTOLOGICAL DIAGNOSIS IN 595 PATIENTS (601 CONSECUTIVE CASES)**

Manuela Lacerda<sup>1</sup>, Belmiro Duarte<sup>2</sup>, Idilio Gomes<sup>1</sup>

<sup>1</sup>I. P. O. Coimbra F. G. , E. P. E., Portugal

<sup>2</sup>GEPSI-IEQPF-DEQ-FCTUC and ISEC , Portugal

**OP13-7**

**BASAL DIFFERENTIATION WITH CK5/6 IN INVASIVE DUCTAL CARCINOMAS OF BREAST AND PROGNOSTIC FACTORS**

Eda Yilmaz Akcay, Isin Pak  
Ankara Oncology Hospital, Turkey

#### OP13-8

##### **SELECTIVE FROZEN SECTION IN SENTINEL NODE BIOPSY: A RELIABLE APPROACH**

Thomas Decker<sup>1</sup>, Joke Tio<sup>2</sup>, Daniela Hungermann<sup>1</sup>, Christian Kersting<sup>1</sup>, Stefanie Weigel<sup>3</sup>, Werner Bocker<sup>1</sup>

<sup>1</sup>University of Muenster, Dpt. of Pathology, Germany

<sup>2</sup>University of Muenster, Dpt. of Gyecology and Obstetrics, Germany

<sup>3</sup>University of Muenster, Dpt. of Clinical Radiology, Germany

#### OP13-9

##### **PROGNOSTIC SIGNIFICANCE OF SKI PROTEIN IN BREAST CANCER PATIENTS**

Dimitra Koumoundourou<sup>1</sup>, Theodoros Kassimatis<sup>1</sup>, Maria Repanti<sup>2</sup>, Panagiota Ravazoula<sup>3</sup>, John Varakis<sup>1</sup>

<sup>1</sup>Department of Anatomy-Histology-Embryology, Medical School, University of Patras, Greece

<sup>2</sup>Department of Pathology, "Agios Andreas" General Hospital, Patras, Greece

<sup>3</sup>Department of Pathology, Rio University Hospital, Patras, Greece

#### OP13-10

##### **HER2 DIAGNOSIS PROGRAMME IN ARGENTINA: MAIN RESULTS**

Isabel Frahm<sup>1</sup>, Gabriela Acosta<sup>2</sup>, Sandra Saranconne<sup>3</sup>, Grupo Cooperativo Her<sup>4</sup>, Valeria Cáceres<sup>5</sup>

<sup>1</sup>Sanatorio Mater Dei, Argentina

<sup>2</sup>Hospital Maria Curie, Argentina

<sup>3</sup>Laboratorio Quantum, Argentina

<sup>4</sup>Nacional, Argentina

<sup>5</sup>Productos Roche, Argentina

#### OP13-11

##### **HER2 IN INVASIVE BREAST CARCINOMA: ASSOCIATION WITH PROGNOSTIC AND PREDICTIVE FACTORS**

Snježana Frković Grazio, Primož Drev, Matej Bračko

Institute of Oncology Ljubljana, Slovenia

## Soft Tissue and Bone

17:30 – 19:30

### Dolmabahçe C

#### OP14-1

##### **MYXOID SOFT TISSUE TUMOURS HAVE A HETEROGENEOUS COMPOSITION OF THEIR EXTRACELLULAR MATRIX: A STUDY ON MYXOFIBROSARCOMA, INTRAMUSCULAR MYXOMA AND EXTRASKELETAL MYXOID CHONDROSARCOMA**

Stefan Willems<sup>1</sup>, Yvonne Schrage<sup>1</sup>, Hans Baelde<sup>1</sup>, Alex Mohseny<sup>1</sup>, Raf Sciot<sup>2</sup>, Judith Bovée<sup>1</sup>, Pancras Hogendoorn<sup>1</sup>

<sup>1</sup>Department of Pathology, Leiden University Medical Center, Leiden, The Netherlands

<sup>2</sup>Department of Morphology and Molecular Pathology, University Hospitals, Catholic University of Leuven, Leuven, Belgium

#### OP14-2

##### **GENE EXPRESSION IN PERIPROSTHETIC MEMBRANES FROM ENDOPROTHESIS LOOSENING - CHITINASE ACTIVITY FOR EARLY DIAGNOSIS?**

Lars Morawietz<sup>1</sup>, Andreas Weimann<sup>2</sup>, Joerg Schroeder<sup>3</sup>, Ralf-Juergen Kuban<sup>4</sup>, Ute Ungethuen<sup>4</sup>, Veit Krein<sup>5</sup>

<sup>1</sup>Institute for Pathology, Charite University Medicine Berlin, Germany

<sup>2</sup>Institute for Laboratory Medicine, Charite University Medicine Berlin, Germany

<sup>3</sup>Hospital for Orthopaedic Surgery, Charite University Medicine Berlin, Germany

<sup>4</sup>Laboratory for Functional Genomic Research, Charite University Medicine Berlin, Germany

<sup>5</sup>Institute for Pathology Trier, Germany

#### OP14-3

##### **BIOLOGICAL AND PROGNOSTIC ROLE OF CCN3 PROTEIN IN EWING'S SARCOMA TUMORS**

Antonio Llombart-Bosch<sup>1</sup>, Nouredine Lazar<sup>2</sup>, Samuel Navarro<sup>1</sup>, Patricia Bacchini<sup>3</sup>, Franco Bertoni<sup>3</sup>, Jose Antonio Lopez-Guerrero<sup>4</sup>, Isidro Machado<sup>1</sup>, Nikita Savelov<sup>5</sup>, Katia Scotlandi<sup>6</sup>, Bernard Perbal<sup>1</sup>

<sup>1</sup>Department of Pathology, University of Valencia, Spain

<sup>2</sup>Laboratoire d'Oncologie Virale et Moléculaire, Université Paris 7 D. Diderot, France

<sup>3</sup>Department of Pathology, Istituti Ortopedici Rizzoli, Bologna, Italy

<sup>4</sup>Unit of Molecular Biology, Fundación Instituto Valenciano de Oncología, Spain

<sup>5</sup>Department of Pathology, Blockin Cancer Center, Moscow, Russia

<sup>6</sup>Laboratorio di Ricerca Oncologica, Istituti Ortopedici Rizzoli, Bologna, Italy

**OP14-4****EXPRESSION OF ALPHA-B-CRYSTALLIN IN NEOPLASMS DERIVED FROM MESENCHYMAL PERIVASCULAR EPITHELIOID CELLS (PECOMAS)**

Angel Panizo, Jesus Javier Sola, Gregorio Aisa, Maria Dolores Lozano, Miguel Angel Idoate, Javier Pardo  
Clinica Universitaria de Navarra. Universidad de Navarra, Spain

**OP14-5****PATTERN OF EXPRESSION OF CELL CYCLE/APOPTOSIS REGULATORS REFLECT LOCATION, MUTATION AND PROGRESSION FREE SURVIVAL (PFS) OF GASTROINTESTINAL STROMAL TUMOUR (GIST) TREATED WITH IMATINIB FROM RANDOMIZED PHASE III TRIAL 62005 EORTC/STBSG**

Salvatore Romeo<sup>1</sup>, Heidi Van Paassen<sup>1</sup>, Martine Van Glabbeke<sup>2</sup>, Paola Comite<sup>1</sup>, Jan Oosting<sup>1</sup>, Ole S Nielsen<sup>3</sup>, Jaap Verweij<sup>4</sup>, Raf Sciot<sup>5</sup>, Maria Debiec-Rychter<sup>6</sup>, Pancras CW Hogendoorn<sup>1</sup>

<sup>1</sup> Department of Pathology, Leiden University Medical Center, Leiden, The Netherlands

<sup>2</sup> EORTC Data Center, Brussels, Belgium

<sup>3</sup> Department of Oncology, Aarhus University Hospital, Aarhus, Denmark

<sup>4</sup> Department of Medical Oncology, Erasmus University Medical Center, Rotterdam, The Netherlands

<sup>5</sup> Department of Pathology, University of Leuven and University Hospital Gasthuisberg, Leuven, Belgium

<sup>6</sup> Department of Human Genetics, University of Leuven and University Hospital Gasthuisberg, Leuven, Belgium

**OP14-6****THE IMPACT OF HISTOLOGICAL GRADING IN PREDICTING OUTCOME OF HIV-ASSOCIATED KAPOSI'S SARCOMA**

Gieri Cathomas<sup>1</sup>, Emmanuel Boffi El Amari<sup>2</sup>, Laurence Toutous-Trellu<sup>2</sup>, Michele Baumann<sup>1</sup>, Peter Erb<sup>3</sup>, Ingrid Steffen<sup>4</sup>, Nicolas Muller<sup>3</sup>, Bernard Hirschel<sup>2</sup>

<sup>1</sup> Laboratory for Pathology of Infectious Diseases, Cantonal Institute for Pathology, Liestal, Switzerland

<sup>2</sup> Division of Infectious Diseases, Geneva University Hospital, Geneva, Switzerland

<sup>3</sup> Institute for Medical Microbiology, University of Basel, Basel, Switzerland

<sup>4</sup> Division of Infectious Diseases, Zurich University Hospital, Zurich, Switzerland

**OP14-7****PRIMARY MALIGNANT VASCULAR TUMOURS OF BONE: IMMUNOHISTOCHEMICAL INVESTIGATION ON ENDOTHELIAL PHENOTYPE AND HISTOPATHOLOGICAL CORRELATION.**

Sofie L. J. Verbeke<sup>1</sup>, Franco Bertoni<sup>2</sup>, Patrizia Bacchini<sup>2</sup>, Herman M. H. Kroon<sup>3</sup>, Pancras C. W. Hogendoorn<sup>1</sup>, Judith V. M. G. Bovée<sup>1</sup>

<sup>1</sup> Department of Pathology, Leiden University Medical Center, Leiden, Netherlands

<sup>2</sup> Department of Pathology, Rizzoli Institute, Bologna, Italy

<sup>3</sup> Department of Radiology, Leiden University Medical Center, Leiden, Netherlands

**OP14-8****CLINICOMORPHOLOGICAL AND IMMUNOHISTOCHEMICAL FEATURES OF MALIGNANT VASCULAR TUMORS: GLUT1 AND FKBP12 EXPRESSION IN MALIGNANT VASCULAR TUMORS**

Kemal Kosemehmetoglu, Gokhan Gedikoglu

Hacettepe University Faculty of Medicine, Department of Pathology, Ankara, Turkey

**OP14-9****EGFR SIGNALING IN GIANT CELL TUMOR OF BONE (GCTB): AN IMMUNOMORPHOLOGICAL TISSUE MICROARRAY (TMA) STUDY USING DIGITAL SLIDES AND DATABASE MANAGEMENT**

Linda Moskovszky<sup>1</sup>, Miklos Szendroi<sup>2</sup>, Zoltan Sapi<sup>3</sup>, Laszlo Kopper<sup>1</sup>, Vivien Angeli<sup>4</sup>, Bela Molnar<sup>5</sup>, Tibor Krenacs<sup>6</sup>

<sup>1</sup> 1st Department of Pathology and Experimental Cancer Research, Semmelweis University, Budapest, Hungary

<sup>2</sup> Department of Orthopedic Surgery, Semmelweis University, Budapest, Hungary

<sup>3</sup> 1st Department of Pathology and Experimental Cancer Research, Semmelweis University Budapest, Hungary

<sup>4</sup> 3DHISTECH Ltd., Budapest, Hungary

<sup>5</sup> 2nd Department of Internal Medicine, Semmelweis University, Budapest, Hungary

<sup>6</sup> 1st Department of Pathology and Experimental Cancer Research, Budapest, Hungary

**OP14-10****CANONICAL AND NON-CANONICAL PATHWAYS OF OSTEOCLAST FORMATION IN GIANT CELL TUMOUR OF BONE**

Richard Taylor, Francesca Jones, Helen Knowles, Nick Athanasou

University of Oxford, United Kingdom

**TUESDAY, SEPTEMBER 11, 2007**

**Nephropathology**

**08:30 – 10:00**

**Dolmabahçe A**

**OP15-1**

**DEFICIENCY OF COMPLEMENT FACTOR D RESULTS IN MESANGIAL IMMUNE COMPLEX GLOMERULONEPHRITIS**

Maria Abrera-Abeleda<sup>1</sup>, Yuan Yuan Xu<sup>2</sup>, Matthew Pickering<sup>3</sup>, Richard Smith<sup>1</sup>, Sanjeev Sethi<sup>4</sup>

<sup>1</sup> University of Iowa, Iowa City, USA

<sup>2</sup> University of Alabama, Birmingham, AL, USA

<sup>3</sup> Imperial College School of Medicine, London, United Kingdom

<sup>4</sup> Mayo Clinic, Rochester, MN, USA

**OP15-2**

**COMPARISON BETWEEN WHO AND ISN/RPS CLASSIFICATION OF LUPUS NEPHRITIS, IS ANYONE BETTER THAN THE OTHER?. ANALYSIS OF DISCORDANT CASES.**

Angel Fomperoza-Torres, David Olvera-Castillo, Harold Ayala-Palma, Luis Eduardo Morales, Ricardo Correa-Rotter, Norma Ofelia Uribe-Uribe

Instituto Nacional de Nutricion Salvador Zubiran, Mexico City, Mexico

**OP15-3**

**PROGNOSTIC UTILITY OF CYCLIN D3, CYCLIN E, P27, MUC1 IN RENAL CELL CARCINOMA (RCC)**

Saba Kiremitci<sup>1</sup>, Ozden Tulunay<sup>1</sup>, Sumer Baltaci<sup>2</sup>, Orhan Gogus<sup>2</sup>

<sup>1</sup> Medical School of Ankara University, Pathology Department, Turkey

<sup>2</sup> Medical School of Ankara University, Urology Department, Turkey

**OP15-4**

**BOSENTAN AND LOSARTAN AMELIORATE ACUTE RENAL FAILURE ASSOCIATED WITH MILD BUT NOT STRONG NITRIC OXIDE BLOCKADE INDUCED BY L-NAME**

Zoran Miloradović<sup>1</sup>, Mirjana Jerkić<sup>2</sup>, Ica Jovović<sup>1</sup>, Nevena Mihailović-Stanojević<sup>1</sup>, Jelica Grujić-Milanović<sup>1</sup>,

Gordana Stošić<sup>3</sup>, Jasmina Marković-Lipkovski<sup>4</sup>

<sup>1</sup> Institute for Medical Research, Belgrade, Serbia

<sup>2</sup> Hospital for Sick Children, Cancer and Blood Program, Toronto, Canada

<sup>3</sup> Clinical Center of Serbia, Institute of Neurology, Belgrade, Serbia

<sup>4</sup> Medical School, Institute of Pathology, University of Belgrade, Serbia

**OP15-5**

**NONINVASIVE DIAGNOSIS OF POLYOMAVIRUS ALLOGRAFT NEPHROPATHY BY ELECTRON MICROSCOPY ON VOIDED URINE SAMPLES**

S. Singh, V. Madden, R. Detwiler, K. Andreoni, V. Nickeleit

Department of Pathology, The University of North Carolina at Chapel Hill, USA

**OP15-7**

**INFECTION BY BK POLYOMA VIRUS IN RENAL TRANSPLANT PATIENTS: CONTRIBUTIONS OF MOLECULAR BIOLOGY, URINE CYTOLOGY AND ELECTRON MICROSCOPY**

Sharon Bauer, Grant Johnson, Mark Moreland, Serge Jothy

Department of Laboratory Medicine, St. Michael's Hospital and University of Toronto, Canada

**Dermatopathology**

**08:30 – 10:00**

**Dolmabahçe C**

**OP16-1**

**DERMATOFIBROSARCOMA PROTUBERANS (DFSP): CLINICAL, MORPHOLOGICAL AND IMMUNOHISTOCHEMICAL STUDY OF 83 CASES.**

Mameri Saâdia

CHU Béni-Messous, Algeria

**OP16-2**

**COLLAGEN V NASAL TOLERANCE IN EXPERIMENTAL MODEL OF SYSTEMIC SCLEROSIS**

Ana Velosa, Walcy Teodoro, Cristiane De Oliveira, Antonio Filho, Rodnei Moutinho, Angela Santos,

Margarete Vendramini, Cleonice Bueno, Edwin Parra, Vera Capelozzi, Natalino Yoshinari

University of São Paulo Medical School, Discipline of Rheumatology and Department of Pathology, Brazil

**OP16-3****HHV8 IN KAPOSI'S SARCOMA AND OTHER VASCULAR LESIONS: COMPARISON OF IMMUNOHISTOCHEMISTRY AND CHROMOGENIC IN-SITU HYBRIDIZATION METHODS**

Ebru Karayigit, Nesimi Buyukbabani

Istanbul University, Istanbul Medical Faculty, Pathology Department, Istanbul, Turkey

**OP16-4****P63 EXPRESSION AS A NEW PROGNOSTIC MARKER IN MERKEL CELL CARCINOMA.**

Sofia Asio<sup>1</sup>, Alberto Righi<sup>2</sup>, Marco Volante<sup>1</sup>, Vincenzo Eusebi<sup>2</sup>, Gianni Bussolati<sup>1</sup>

<sup>1</sup>Department of Biomedical Sciences and Human Oncology, University of Turin, Italy

<sup>2</sup>Section of Anatomic Pathology M. Malpighi, University of Bologna, Italy

**OP16-5****MELANOCYTIC TUMOURS IN CHILDREN AND ADULTS ARE GENETICALLY DIFFERENT**

Suzanne Mol<sup>1</sup>, Marcory Van Dijk<sup>2</sup>, Annelies Klaasen<sup>1</sup>, Marjolein Ligtenberg<sup>1</sup>, Wolter Mooi<sup>3</sup>, Dirk Ruiter<sup>1</sup>, Willeke Blokx<sup>1</sup>

<sup>1</sup>University Medical Centre Nijmegen, The Netherlands

<sup>2</sup>University Medical Centre Groningen, The Netherlands

<sup>3</sup>VU Medical Centre Amsterdam, The Netherlands

**OP16-6****MELK IS A NOVEL TUMOUR PROGRESSION MARKER IN MELANOMA**

Cristina Maniè<sup>1</sup>, Véronique Winnepenninckx<sup>2</sup>, Joost J. Van Den Oord<sup>3</sup>

<sup>1</sup>Department of Cytomorphology, Section of Pathology, University of Cagliari, Italy

<sup>2</sup>University Hospital, University of Maastricht, The Netherlands

<sup>3</sup>University Hospitals, Katholieke Universiteit Leuven, Belgium

**Uro pathology****11:00 – 12:00****Dolmabahçe A****OP17-1****GENE EXPRESSION PROFILING OF TFE/MITF RENAL CELL TRANSLOCATION CARCINOMAS**

Camparo Philippe<sup>1</sup>, Dykema Carl<sup>2</sup>, Furge Kyle<sup>2</sup>, Comperat Eva<sup>3</sup>, Denoux Yves<sup>4</sup>, Molinie Vincent<sup>5</sup>, Sibony Mathilde<sup>6</sup>,

Vasiliu Viorel<sup>1</sup>, Vieillefond Annick<sup>8</sup>, Teh Bin<sup>2</sup>

<sup>1</sup>HIA Val de Grace, Paris, France

<sup>2</sup>Van Andel Research Institute, Grand Rapids, USA

<sup>3</sup>Hopital Pitié Salpêtrière, Paris, France

<sup>4</sup>Hopital Foch, Suresnes, France

<sup>5</sup>Hopital Saint Joseph, Paris, France

<sup>6</sup>Hopital Tenon, Paris, France

<sup>7</sup>Hopital Necker, Paris, France

<sup>8</sup>Hopital Cochin, Paris, France

**OP17-2****CELL SURFACE PEPTIDASES CD13 AND CD10 IN RENAL CELL NEOPLASMS.**

Matteo Brunelli, Stefano Gobbo, Albino Eccher, Alice Parisi, Marta Gobbato, Daniela Dalfior, Marco Chilosi,

Fabio Menestrina, Guido Martignoni

Department of Pathology, University of Verona, Italy

**OP17-3****MOLECULAR MORPHOLOGY IN RENAL ONCOCYTOMA: EVALUATION OF CYCLIN D1 IMMUNOEXPRESSION AND 11q13 INTERPHASE CYTOGENETIC REARRANGEMENTS.**

Matteo Brunelli<sup>1</sup>, Stefano Gobbo<sup>2</sup>, Albino Eccher<sup>2</sup>, Paolo Cossu-Rocca<sup>3</sup>, Vincenzo Ficarra<sup>4</sup>, Fabio Menestrina<sup>5</sup>,

Mihaela Mina<sup>5</sup>, Guido Martignoni<sup>5</sup>

<sup>1</sup>Department of Pathology, University of Verona, Italy

<sup>2</sup>Department of Pathology, Italy

<sup>3</sup>Department of Pathology, University of Sassari, Italy

<sup>4</sup>Department of Urology, University of Padua, Italy

<sup>5</sup>University of Verona, Italy

**OP17-4****PROSTATE ADENOCARCINOMA: IMMUNOHISTOCHEMICAL EVALUATION AFTER HIFU TREATMENT.**

Alice Parise<sup>1</sup>, Daniela Reghellin<sup>1</sup>, Marta Gobbato<sup>1</sup>, Stefano Gobbo<sup>1</sup>, Albino Eccher<sup>1</sup>, Matteo Brunelli<sup>1</sup>,

Fabio Menestrina<sup>1</sup>, Marco Chilosi<sup>1</sup>, Vincenzo Ficarra<sup>2</sup>, Guido Martignoni<sup>1</sup>

<sup>1</sup>Department of Pathology, University of Verona, Italy

<sup>2</sup>Department of Urology, University of Padua, Italy

**OP17-5****LOSS OF EXPRESSION OF CARCINOEMBRYONIC ANTIGEN-RELATED CELL ADHESION MOLECULE-1 (CEACAM1) IN PROSTATE INTRAEPITHELIAL NEOPLASIA (PIN) AND INVASIVE PROSTATE CANCER INDUCES ANGIOGENESIS**

Ergin Kiliç<sup>1</sup>, Derya Tilki<sup>2</sup>, Leticia Oliveira-Ferrer<sup>3</sup>, Hartwig Huland<sup>3</sup>, Suleyman Ergun<sup>4</sup>

<sup>1</sup>University Hospital Basel, Institute of Pathology, Basel-Stadt, Switzerland

<sup>2</sup>University Hospital Grosshadern, Department of Urology, Munich, Germany

<sup>3</sup>University Hospital Eppendorf, Department of Urology, Hamburg, Germany

<sup>4</sup>University Hospital of Essen, Institute of Anatomy, Essen, Germany

**Dermatopathology****11:00 – 12:00****Dolmabahçe C****OP18-1****MATRIX METALLOPROTEINASES AND THEIR TISSUE INHIBITORS EXPRESSIONS IN INVASIVE CUTANEOUS MELANOMAS**

Mustafa Gureli, Ozlem Erdem, Cigdem Vural

Gazi University Department of Pathology, Turkey

**OP18-2****OVER-EXPRESSION OF THE HEMIDESMOSOMAL ADHESION PROTEIN COLLAGEN XVII IN MALIGNANT MELANOMA**

Tibor Krenacs<sup>1</sup>, Eva Stelkovic<sup>2</sup>, Elizabeth Raso<sup>3</sup>, Irma Korom<sup>4</sup>, Ilona Marcinovits<sup>5</sup>, Laszlo Kopper<sup>1</sup>, Josef Timar<sup>3</sup>

<sup>1</sup>1st Department of Pathology and Experimental Cancer Research, Semmelweis University, Budapest, Hungary

<sup>2</sup>Bay Zoltan Foundation for Applied Research, Szeged, Hungary

<sup>3</sup>Department of Tumor Progression, National Institute of Oncology, Budapest, Hungary

<sup>4</sup>Department of Dermatology and Allergology, University of Szeged, Hungary

<sup>5</sup>Department of Anatomy, University of Szeged, Hungary

**OP18-3****THE ELASTIC TISSUE CHANGES IN GRANULOMA ANNULARE: A STUDY OF THIRTY CASES**

Pembegul Gunes<sup>1</sup>, Fatih Goktay<sup>2</sup>, A. Tulin Mansur<sup>2</sup>, Filiz Koker<sup>1</sup>, Gamze Erfan<sup>1</sup>

<sup>1</sup>Department of Pathology, Haydarpaşa Numune Education and Research Hospital, Istanbul, Turkey

<sup>2</sup>Department of Dermatology, Haydarpaşa Numune Education and Research Hospital, Istanbul, Turkey

**OP18-4****THE NOTCH SIGNALING IN HUMAN SKIN CANCER**

Ioannis Panelos<sup>1</sup>, Francesca Tarantini<sup>2</sup>, Milena Paglierani<sup>3</sup>, Claudia Di Serio<sup>2</sup>, Vincenza Maio<sup>3</sup>, Silvia Pellerito<sup>2</sup>,

Nicola Pimpinelli<sup>4</sup>, Marco Santucci<sup>3</sup>, Daniela Massi<sup>3</sup>

<sup>1</sup>Department of Pathology, University of Ioannina, Greece

<sup>2</sup>Department of Critical Care Medicine and Surgery, University of Florence, Italy

<sup>3</sup>Department of Human Pathology and Oncology, University of Florence, Italy

<sup>4</sup>Department of Dermatological Sciences, University of Florence, Italy

**OP18-5****THE RELIABILITY OF MULTIPLEX PCR AND HETERODUBLEX ANALYSIS USING BIOMED-2 PRIMERS ON MYCOSIS FUNGOIDES DIAGNOSIS**

Aylin Okcu Heper<sup>1</sup>, Yasemin Sahin<sup>1</sup>, Nisa Akay<sup>2</sup>, Hatice Germen Unverdi<sup>1</sup>, Hatice Sanli<sup>2</sup>, Isinsu Kuzu<sup>1</sup>

<sup>1</sup>Ankara University, School of Medicine, Department of Pathology, Ankara, Turkey

<sup>2</sup>Ankara University, School of Medicine, Department of Dermatology, Ankara, Turkey

**Gastrointestinal Pathology****14:30 – 16:00****Dolmabahçe A****OP19-1****REGENERATIVE POTENTIAL OF CIRRHOTIC LIVER FOLLOWING VASCULAR LIGATION IN EXPERIMENTAL ANIMALS**

Mona Nosseir, Mohammed Abbas, Youssef Farouk, Ayman Nafeh, Maged Nasr, Mona Zoheiry

Theodor Bilharz Research Institute, Egypt

#### OP19-2

##### CLAUDIN 1, 3, 4, 5 AND 7 IN ESOPHAGEAL CANCER: LOSS OF CLAUDIN 3 AND 4 EXPRESSION IS ASSOCIATED WITH METASTATIC BEHAVIOR

Juha Saarnio<sup>1</sup>, Heikki Wiik<sup>1</sup>, Ylermi Soini<sup>2</sup>

<sup>1</sup> Department of Surgery, University Hospital of Oulu, Finland

<sup>2</sup> Institute of Clinical Medicine, Pathology and Forensic Medicine, University of Kuopio, Finland

#### OP19-3

##### PROGNOSTIC IMPACT OF CLASS I HISTONE DEACETYLASES IN COLORECTAL CANCER: SPECIFIC ROLE OF HDAC2

Weichert Wilko<sup>1</sup>, Roske Annika<sup>1</sup>, Niesporek Silvia<sup>1</sup>, Noske Aurelia<sup>1</sup>, Buckendahl Ann-Christin<sup>1</sup>, Dietel Manfred<sup>1</sup>, Gekeler Volker<sup>2</sup>, Boehm Markus<sup>2</sup>, Beckers Thomas<sup>2</sup>, Denkert Carsten<sup>1</sup>

<sup>1</sup> Institut für Pathologie, Charité Universitätsmedizin, Berlin, Germany

<sup>2</sup> Altana Pharma AG, Konstanz, Germany

#### OP19-4

##### GASTROINTESTINAL STROMAL TUMORS: RECENT RESULTS OF A NATIONWIDE DATABASE INCLUDING 1008 CASES WITH HISTOPATHOLOGICAL AND IMMUNOPHENOTYPICAL FEATURES

Gulen Bulbul Dogusoy

GIST Working Group Turkish Society of Pathology, Turkey

#### OP19-5

##### THE SIGNIFICANCE OF APC/BETA-CATENIN PATHWAY AND TGF-BETA/SMAD PATHWAY IN ASSOCIATION WITH MATRIX METALLOPROTEINASES AND THEIR TISSUE INHIBITORS IN THE NEOPLASTIC PROGRESSION OF THE COLORECTAL MUCOSA

Hilal Erinanc<sup>1</sup>, Berna Savas<sup>1</sup>, Arzu Ensari<sup>1</sup>, Sibel Percinel<sup>1</sup>, Isinsu Kuzu<sup>1</sup>, Mehmet Ayhan Kuzu<sup>2</sup>, Mehmet Bektaş<sup>3</sup>, Hulya Cetinkaya<sup>3</sup>, Nazmiye Kursun<sup>4</sup>

<sup>1</sup> Ankara University Medical Faculty, Department of Pathology, Turkey

<sup>2</sup> Ankara University Medical Faculty, Department of Surgery, Turkey

<sup>3</sup> Ankara University Medical Faculty, Department of Gastroenterology, Turkey

<sup>4</sup> Ankara University Medical Faculty, Department of Biostatistics, Turkey

#### OP19-6

##### HER-2 OVEREXPRESSION/AMPLIFICATION IN ESOPHAGEAL DYSPLASIA PREDICTS EARLY TRANSITION TO ADENOCARCINOMA: A CLINICO-PATHOLOGIC STUDY.

Elisa Rossi<sup>1</sup>, Vincenzo Villanacci<sup>1</sup>, Salvatore Grisanti<sup>2</sup>, Domenico Della Casa<sup>3</sup>, Guido Missale<sup>3</sup>, Luigi Minelli<sup>3</sup>,

Gabrio Bassotti<sup>4</sup>, Piergiorgio Grigolato<sup>1</sup>, Renzo Cestari<sup>3</sup>

<sup>1</sup> 2<sup>nd</sup> Department of Pathology - University of Brescia, Spedali Civili - Brescia, Italy

<sup>2</sup> Department of Medical Oncology, University of Brescia, Spedali Civili - Brescia, Italy

<sup>3</sup> Digestive Endoscopy, Department of General Surgery, University of Brescia, Spedali Civili - Brescia, Italy

<sup>4</sup> Gastroenterology & Hepatology Section, Department of Clinical & Experimental Medicine, University of Perugia, Italy

#### OP19-7

##### INTRAHEPATIC MACROPHAGE MIGRATION INHIBITORY FACTOR EXPRESSION AND MIF GENE-173G/C POLYMORPHISM IN NON ALCOHOLIC FATTY LIVER DISEASE

Murat Akyildiz<sup>1</sup>, Fulya Gunsar<sup>1</sup>, Deniz Nart<sup>2</sup>, Osman Sahin<sup>1</sup>, Galip Ersoz<sup>1</sup>, Zeki Karasu<sup>1</sup>, Yucel Batur<sup>1</sup>, Funda Yilmaz<sup>2</sup>, Ulus Akarca<sup>1</sup>

<sup>1</sup> Ege University Medical School, Department of Gastroenterology, Turkey

<sup>2</sup> Ege University Medical School, Department of Pathology, Turkey

#### OP19-8

##### HEPATOCTYCE DIFFERENTIATION IN CHOLANGIOCARCINOMA, SUGGESTING HEPATIC PROGENITOR CELL ORIGIN

Mina Komuta, Sara Vander Borgh, Raymond Aerts, Baki Topal, Werner Van Steenberghe, Frederik Nevens, Tania Roskams  
K. U. Leuven, Belgium

## Gynecopathology

14:30 – 16:00

### Dolmabahçe C

#### OP20-1

##### MICROMETASTASES IN PELVIC LYMPH NODES IN SURGICALLY TREATED PATIENTS WITH CARCINOMA OF THE CERVIX UTERI ARE OF PROGNOSTIC VALUE

Horn Lars-Christian<sup>1</sup>, Galle Dana<sup>1</sup>, Hentschel Bettina<sup>2</sup>, Bilek Karl<sup>3</sup>

<sup>1</sup> Institute of Pathology, Division of Gynecologic Pathology University of Leipzig, Germany

<sup>2</sup> Institute for Medical Informatics, Statistics and Epidemiology, University of Leipzig, Germany

<sup>3</sup> Department of Obstetrics and Gynecology, University of Leipzig, Germany

#### **OP20-2**

##### **GENE EXPRESSION IN ENDOMETRIAL CANCER CELLS (ISHIKAWA) AFTER SHORT TIME HIGH DOSE EXPOSURE TO PROGESTINS**

Ruth Hracky Paulssen<sup>1</sup>, Bjørn Moe<sup>2</sup>, Halvor Grønnaas<sup>3</sup>, Anne Ørbo<sup>4</sup>

<sup>1</sup>Laboratory of Molecular Medical Research, Institute of Clinical Medicine, University of Tromsø, N-9037 Tromsø, Norway

<sup>2</sup>Department of Pathology, University Hospital of North-Norway, Norway

<sup>3</sup>Department of Medical Genetics, University Hospital of North-Norway, Tromsø, Norway

<sup>4</sup>Department of Pathology, Institute of Medical Biology, University of Tromsø, Tromsø, Norway

#### **OP20-3**

##### **EXTRANUCLEAR STEROID-INITIATED SIGNALING BY PROGESTIN AND MIFEPRISTONE: CONCENTRATION DEPENDENT INHIBITION OF ISHIKAWA CELL PROLIFERATION AND INDUCTION OF APOPTOSIS**

Bjorn Thorvald Moe<sup>1</sup>, Anne Beate Vereide<sup>2</sup>, Anne Orbo<sup>1</sup>, Georg Sager<sup>3</sup>

<sup>1</sup>Department of Pathology, University Hospital of Tromsø, Tromsø, Norway

<sup>2</sup>Department of Obstetrics and Gynecology, University Hospital of Tromsø, Tromsø, Norway

<sup>3</sup>Department of Pharmacology, Institute of Medical Biology, Faculty of Medicine, University of Tromsø, Tromsø, Norway

#### **OP20-4**

##### **SEX CORD-LIKE TUMOURS OF THE FEMALE GENITAL TRACT: PATTERN ANALYSIS IN 31 CONSULTATION CASES**

Gonzalez-Rocha Talina<sup>1</sup>, Stolnicu Simona<sup>2</sup>, Aneiros Fernandez Jose<sup>3</sup>, Nogales Francisco F.<sup>1</sup>

<sup>1</sup>University of Granada, Spain

<sup>2</sup>University of Medicine Targu Mures, Romania

<sup>3</sup>Fundacion Jimenez Diaz Madrid, Spain

#### **OP20-5**

##### **DISCRIMINATION OF COMPLETE HYDATIDIFORM MOLE FROM PARTIAL HYDATIDIFORM MOLE AND HYDROPIIC ABORTION BY IMMUNOHISTOCHEMICAL STUDY OF THE PATERNALLY IMPRINTED GENE PRODUCT P57KIP2: A STUDY OF 120 CASES OF EARLY MOLAR AND NON MOLAR ABORTIONS IN TUNISIA**

Landolsi Hanène<sup>1</sup>, Yacoubi Mohamed Tahar<sup>1</sup>, Gribaa Moez<sup>2</sup>, Missaoui Nabiha<sup>1</sup>, Hidar Samir<sup>3</sup>, Trabelsi Amel<sup>1</sup>, Korbi Sadok<sup>1</sup>

<sup>1</sup>Department of Pathology F. Hached Hospital Sousse, Tunisia

<sup>2</sup>Department of Cytogenetics, Tunisia

<sup>3</sup>Department of Gynaecology-Obstetrics, Tunisia

#### **OP20-6**

##### **COMPARATIVE CHARACTERISTICS OF EXPRESSION OF MMPS, TIMPS, MARKERS OF PROLIFERATION AND APOPTOSIS, ESTROGEN AND PROGESTERONE RECEPTORS IN EUTOPIC AND ECTOPIC ENDOMETRIUM IN WOMEN WITH ADENOMYOSIS.**

Evguenija Kogan<sup>1</sup>, Olga Gretchukhina<sup>1</sup>, Ara Unanjan<sup>1</sup>, Irina Sidorova<sup>1</sup>, Vsevolod Kiselev<sup>2</sup>

<sup>1</sup>Moscow Setchenov Medical Academy, Russia

<sup>2</sup>Scientific Research Institute of Molecular Medicine, Russia

#### **OP20-7**

##### **SERUM AMYLOID A: EXPRESSION AND POSSIBLE ROLE IN OVARIAN CANCER**

Diana Prus, Inbar Ben-Shachar, Dalia Galinski, Mark Levin, Simcha Urieli-Shoval

Hadassah-Hebrew University Medical Center, Mount Scopus, Jerusalem, Israel

#### **OP20-8**

##### **PROGNOSTIC VALUE OF THE SILVERBERG GRADING IN THE PRIMITIVE MALIGNANT EPITHELIAL TUMORS OF THE OVARY: A STUDY OF 47 CASES**

Ben Abdelkader Atef<sup>1</sup>, Yacoubi Mohamed Tahar<sup>1</sup>, Trabelsi Amel<sup>1</sup>, Hidar Samir<sup>2</sup>, Abid Lilia<sup>1</sup>, Kabir Fatma Zahra<sup>1</sup>, Korbi Sadok<sup>1</sup>

<sup>1</sup>Department of pathology F. Hached Hospital Sousse, Tunisia

<sup>2</sup>Department of gynecology and obstetrics F. Hached Hospital Sousse 4000, Tunisia

## **Pulmonary Pathology**

**14:30 – 16:00**

### **Dolmabahçe B**

#### **OP21-1**

##### **MICRO-RNA IN HUMAN LUNG CANCER AND HUMAN LUNG EMBRYOGENESIS**

Angels Quera, Alfons Navarro, Ramon Marrades, Bernat Gel, Rosa Artells, Sonia Jansa, Josep M Gimferrer, Nuria Viñolas, Josep Ramirez, Mario Serrano, Antoni Torres, Mariano Monzo

Anatomia Patològica, Neumologia, Anatomia Humana, Cirurgia Toràcica, Oncologia. Hospital Clínic. IDIBAPS. Universitat de Barcelona, Spain

**OP21-3****IMMUNE-PHENOTYPING OF INFLAMMATORY CELLS IN BRONCHIOLAR INTERSTITIUM OF IDIOPATHIC INTERSTITIAL PNEUMONIAS: PRELIMINARY STUDY**Edwin Parra, Luisa Tinoco, Vera Capelozzi

University of São Paulo Medical School, Department of Pathology, Brazil

**OP21-4****ROLE OF THE MATRIX METALLOPROTEINASES IN THE PATHOGENESIS AND MORPHOGENESIS OF THE CHRONIC CAVITARY PULMONARY TUBERCULOSIS OF THE PERSONS WHO HAS BEEN LIVING IN RADIOACTIVE-CONTAMINATED ZONES OF THE SEMIPALATINSK REGION OF KAZAKHSTAN**Gulmira Sagindikova, Evgenija Kogan

Moscow Medical Academy, Russia

**OP21-5****MMPS AND TIMP- 4 IN REMODELING OF EXTRACELLULAR MATRIX, FIBROSIS, CELL PROLIFERATION IN DIFFERENT VARIANTS OF IDIOPATHIC CHRONIC INTERSTITIAL PNEUMONIAS (ICIP)**Evguenija Kogan, Vuong Tuong, Sophija Demoura

Moscow Medical Academy, Russia

**OP21-6****LATENCY PERIODS AND PATHOGENESIS IN ASBESTOS-RELATED MESOTHELIOMA OF THE PLEURA**Claudio Bianchi, Tommaso Bianchi

Center for the Study of Environmental Cancer - Italian League against Cancer - Monfalcone, Italy

**OP21-7****THE INACTIVATION OF RBM5 TUMOR SUPPRESSOR GENE AT 3P21 IS A MOLECULAR PATHWAY ASSOCIATED WITH ADVANCED NON-SMALL-CELL LUNG CANCER.**Julian Sanzortega, Susana Hernández, Jose Antonio Lopezasenjo, Elena Sierra, Ana Gomez, Florentino Trancho,

Olga Rodriguez, Julian Sanzesponera

Hospital Clinico San Carlos, Spain

**Gastrointestinal Pathology****16:30 – 17:30****Dolmabahçe A****OP22-1****FLOW CYTOMETRIC DNA ANALYSIS OF GASTROINTESTINAL STROMAL TUMORS**Umit Cobanoglu<sup>1</sup>, Yavuz Tekelioglu<sup>2</sup>, Yavuz Ozoran<sup>1</sup>, Arzu Ensari<sup>3</sup>, Ayse Dursun<sup>4</sup>, Figen Doran<sup>5</sup>, Gokhan Gedikoglu<sup>6</sup>, Gulen Dogusoy<sup>7</sup>, Isin Pak<sup>8</sup>, Muge Tuncyurek<sup>9</sup>, Ozgul Sagol<sup>10</sup>, Yersu Kapran<sup>11</sup><sup>1</sup> Karadeniz Technical University Faculty of Medicine Department of Pathology Trabzon Turkey<sup>2</sup> Karadeniz Technical University Faculty of Medicine Department of Histology & Embryology Trabzon Turkey<sup>3</sup> Ankara University Faculty of Medicine Department of Pathology Ankara Turkey<sup>4</sup> Gazi University Faculty of Medicine Department of Pathology Ankara Turkey<sup>5</sup> Cukurova University Faculty of Medicine Department of Pathology Ankara Turkey<sup>6</sup> Hacettepe University Faculty of Medicine Department of Pathology Ankara Turkey<sup>7</sup> Istanbul University Cerrahpasa Medical Faculty Department of Pathology Istanbul Turkey<sup>8</sup> Ministry of Health Ankara Oncology Training and Research Hospital Department of Pathology Ankara Turkey<sup>9</sup> Ege University Faculty of Medicine Department of Pathology Izmir Turkey<sup>10</sup> Dokuz Eylul University Faculty of Medicine Department of Pathology Izmir Turkey<sup>11</sup> Istanbul University Istanbul Medical Faculty Department of Pathology Istanbul Turkey**OP22-2****TWO PATHWAYS OF CARCINOGENESIS IN PATIENTS WITH COLORECTAL CANCER LESS THAN 45 YEARS OLD**Mahsa Molaei<sup>1</sup>, Babak Noorinayer<sup>1</sup>, Ali Ghanbarimotlagh<sup>1</sup>, Somayeh Ghiasi<sup>1</sup>, Mohamadreza Zali<sup>2</sup><sup>1</sup> Research Center for Gastrointestinal and Liver Disease, Taleghani Hospital, Shahid Beheshti University of Medical Science, Tehran, Iran<sup>2</sup> President of Research Center for Gastrointestinal and Liver Disease, Taleghani Hospital, Shahid Beheshti University of Medical Science, Tehran, Iran

### OP22-3

#### ADAM17 AND TIMP3 ARE DIFFERENTIALLY REGULATED IN INFLAMED INTESTINAL EPITHELIUM: ROLE NEUTROPHIL TRANSEPITHELIAL MIGRATION

CéSaro Annabelle<sup>1</sup>, Abakar-Mahamat Abakar<sup>2</sup>, Lassalle Sandra<sup>3</sup>, Vouret Valérie<sup>1</sup>, HéButerne Xavier<sup>2</sup>, Hugot Jean Pierre<sup>4</sup>, Mograbi Baharia<sup>1</sup>, Hofman Paul<sup>3</sup>

<sup>1</sup>INSERM ERI-21, University of Nice, Nice, France

<sup>2</sup>INSERM ERI-21, Department of Gastroenterology, University of Nice, Nice, France

<sup>3</sup>Laboratory of Clinical and Experimental Pathology, INSERM ERI-21, Human Tissue Biobank, University of Nice, Nice, France

<sup>4</sup>INSERM Avenir U763, University of Paris 7, Paris, France

### OP22-4

#### CARDIAC RATHER THAN INTESTINAL-TYPE BACKGROUND IN ENDOSCOPIC MUCOSAL RESECTION SPECIMENS OF PRIMARY ESOPHAGEAL ADENOCARCINOMA

Kaiyo Takubo<sup>1</sup>, Junko Aida<sup>1</sup>, Tomio Arai<sup>1</sup>, Manfred Stolte<sup>2</sup>, Michael Vieth<sup>2</sup>

<sup>1</sup>Research Team for Geriatric Diseases, Tokyo Metropolitan Institute of Gerontology and Department of Clinical Pathology, Tokyo Metropolitan Geriatric Medical Center, Tokyo, Japan

<sup>2</sup>Institute of Pathology Bayreuth Klinikum, Bayreuth, Germany

### OP22-5

#### CONFLUENT BASAL APOPTOSIS IN COLONIC ADENOMAS: MORPHOLOGY, POTENTIAL FUNCTIONAL SIGNIFICANCE, AND PRELIMINARY REVERSE PHASE MICROARRAY FINDINGS FOR APOPTOSIS-RELATED PROTEINS

Leona Doyle<sup>1</sup>, Virginia Espina<sup>2</sup>, Emanuel Petricoin<sup>2</sup>, Lance Liotta<sup>2</sup>, Mary Winters<sup>3</sup>, Richard Stephens<sup>4</sup>, Napoleon Keeling<sup>5</sup>, Dermot Kelleher<sup>5</sup>, Cian Muldoon<sup>1</sup>, Eoin Gaffney<sup>1</sup>

<sup>1</sup>Department of Histopathology, St James's Hospital, Dublin 8, Ireland

<sup>2</sup>Centre for Applied Proteomics and Molecular Medicine, George Mason University, Manassas, Virginia, USA

<sup>3</sup>National Institute of Health, Bethesda, Maryland, USA

<sup>4</sup>Department of Surgery, St James's Hospital, Dublin 8, Ireland

<sup>5</sup>Department of Gastroenterology, St James's Hospital, Dublin 8, Ireland

### OP22-6

#### PROGNOSTIC AND PREDICTIVE VALUE OF THYMIDYLATE SYNTHASE EXPRESSION IN COLON CANCER

Gerasimos Tsurouflis<sup>1</sup>, Stamatios Theocharis<sup>2</sup>, Anastasia Sampani<sup>1</sup>, Athina Giagini<sup>2</sup>, Gregorios Kouraklis<sup>1</sup>

<sup>1</sup>Second Department of Propedeutic Surgery, National and Kapodistrian University of Athens, Athens, Greece

<sup>2</sup>Department of Forensic Medicine and Toxicology, National and Kapodistrian University of Athens, Athens, Greece

## Gynecopathology

16:30 – 17:30

### Dolmabahçe C

### OP23-1

#### HUMAN PAPILOMAVIRUS (HPV) PROFILES OF VULVAR LESIONS: POSSIBLE IMPLICATIONS FOR THE CLASSIFICATION OF VULVAR SQUAMOUS CELL CARCINOMA PRECURSORS AND FOR THE EFFICACY OF PROPHYLACTIC HPV VACCINATION

Petr Skapa<sup>1</sup>, Josef Zamecnik<sup>1</sup>, Eva Hamsikova<sup>2</sup>, Martina Salakova<sup>2</sup>, Jana Smahelova<sup>2</sup>, Kristyna Jandova<sup>3</sup>, Helena Robova<sup>3</sup>, Lukas Rob<sup>3</sup>, Ruth Tachezy<sup>2</sup>

<sup>1</sup>Department of Pathology and Molecular Medicine, Charles University, 2nd Medical School, Faculty Hospital Motol, Prague, Czech Republic

<sup>2</sup>Department of Experimental Virology, National Reference Laboratory for Papillomaviruses, Institute of Hematology and Blood Transfusion, Prague, Czech Republic

<sup>3</sup>Department of Obstetrics and Gynecology, Charles University, 2nd Medical School, Faculty Hospital Motol, Prague, Czech Republic

### OP23-2

#### FASCIN IMMUNOHISTOCHEMICAL INVESTIGATION IN ENDOMETRIAL STROMAL SARCOMAS AND PRIMARY UTERINE LEIOMYOSARCOMAS

Mattheos Bobos<sup>1</sup>, Evangelia Athanasiou<sup>2</sup>, Dimitrios Hatzibougias<sup>1</sup>, Georgia Rapti<sup>1</sup>, Athanasios Papanikolaou<sup>3</sup>, Anastasios Hatzitolios<sup>3</sup>, Ioannis Efstratiou<sup>4</sup>, Eleni Nenopoulou<sup>1</sup>

<sup>1</sup>Department of Pathology, Aristotle University Medical School, Thessaloniki, Greece

<sup>2</sup>Department of Pathology, Faculty of Health and Care, Alexandrian Technological Institute, Thessaloniki, Greece

<sup>3</sup>Department of Pathology, "Hippokraton" General Hospital, Thessaloniki, Greece

<sup>4</sup>Department of Pathology, "Papageorgiou" Hospital, Thessaloniki, Greece

### OP23-3

#### COXSACKIEVIRUS ADENOVIRUS RECEPTOR (CAR) EXPRESSION IN ENDOMETRIAL ADENOCARCINOMA

Stamatis Theocharis<sup>1</sup>, Constantinos Giaginis<sup>1</sup>, Maria Papaefthymiou<sup>1</sup>, Ekaterini Papadopoulou<sup>1</sup>, Ioannis Sfiniadakis<sup>2</sup>

<sup>1</sup> Department of Forensic Medicine and Toxicology, Medical School, National and Kapodistrian University of Athens, Athens, Greece

<sup>2</sup> Department of Pathology, Naval Hospital, Athens, Greece

### OP23-4

#### EXPRESSION AND PROGNOSTIC SIGNIFICANCE OF CYCLIN D3 IN OVARIAN ADENOCARCINOMAS

Georgia Levidou, Penelope Korkolopoulou, Irene Thymara, Angelica A Saetta, Ioannis Vassilopoulos, Hariclia Gakiopoulou, Anastasia Konstantinidou, Evi Kairi-Vassilatou, Kitty Pavlakis, Efstratios Patsouris

National and Kapodistrian University of Athens, Department of Pathology, Athens, Greece

### OP23-5

#### EXPRESSION OF AMP-ACTIVATED PROTEIN KINASE (AMPK) IN OVARIAN CARCINOMA: CORRELATION WITH TUMOR GRADING AND PROGNOSIS

Ann-Christin Buckendahl, Wilko Weichert, Silvia Niesporek, Aurelia Noske, Manfred Dietel, Carsten Denkert

Institut of Pathology, Charité Universitätsmedizin Berlin, Germany

### OP23-6

#### FALLOPIAN TUBE EPITHELIUM: THE IGNORED HYPOTHETIC ORIGIN OF GYNECOLOGIC SEROUS CARCINOMAS

Isil Yildiz<sup>1</sup>, Alp Usubatun<sup>1</sup>, Ali Ayhan<sup>2</sup>, Turkan Kucukali<sup>1</sup>

<sup>1</sup> Hacettepe University, Faculty of Medicine, Department of Pathology, Ankara, Turkey

<sup>2</sup> Hacettepe University, Faculty of Medicine, Department of Gynecology, Ankara, Turkey

## Pulmonary Pathology

16:30 – 17:30

### Dolmabahçe C

### OP24-1

#### DIAGNOSIS OF BACTERIAL INFECTIONS IN HUMAN LUNG DISEASES : POTENTIAL USEFULNESS OF FLUORESCENT IN SITU HYBRIDIZATION (FISH) TECHNIQUE IN FIXED AND PARAFFIN EMBEDDED TISSUES

Medioni Etienne<sup>1</sup>, Havet Katia<sup>2</sup>, Butori Catherine<sup>3</sup>, Hofman Véronique<sup>3</sup>, Lassalle Sandra<sup>3</sup>, Venissac Nicolas<sup>4</sup>, Mouroux Jérôme<sup>4</sup>, Hofman Paul<sup>5</sup>

<sup>1</sup> INSERM ERI-21, University of Nice, Nice, France

<sup>2</sup> Laboratory of Clinical and Experimental Pathology, University of Nice, Nice, France

<sup>3</sup> Laboratory of Clinical and Experimental Pathology, INSERM-ERI-21, University of Nice, Nice, France

<sup>4</sup> INSERM ERI-21, Department of Thoracic Surgery, University of Nice, Nice, France

<sup>5</sup> Laboratory of Clinical and Experimental Pathology, INSERM ERI-21, Human Tissue Biobank, University of Nice, Nice, France

### OP24-2

#### MOST LUNG CARCINOMAS ASSOCIATED WITH IDIOPATHIC PULMONARY FIBROSIS SHOW FEATURES OF BRONCHIOLAR DERIVATION

Marco Chilosi<sup>1</sup>, Venerino Poletti<sup>2</sup>, Daniela Reghellin<sup>1</sup>, Sara Tomassetti<sup>2</sup>, Alberto Cavazza<sup>3</sup>, Giulio Rossi<sup>4</sup>, Marianne Kambouchner<sup>5</sup>, Alessandra Cancellieri<sup>6</sup>, Alessandra Dubini<sup>7</sup>, Mattia Barbareschi<sup>8</sup>, Licia Montagna<sup>1</sup>, Serena Pedron<sup>1</sup>, Paola Piccoli<sup>1</sup>, Giuseppe Pelosi<sup>9</sup>, Bruno Murer<sup>10</sup>

<sup>1</sup> Department of Pathology, Verona University, Italy

<sup>2</sup> Department of Pneumology, Forlì Hospital, Italy

<sup>3</sup> Department of Pathology, Reggio-Emilia Hospital, Italy

<sup>4</sup> Department of Pathology, University of Modena, Italy

<sup>5</sup> Department of Pathology, Avicenne Hospital, Paris, France

<sup>6</sup> Department of Pathology, Bologna Hospital, Italy

<sup>7</sup> Department of Pathology, Forlì Hospital, Italy

<sup>8</sup> Department of Pathology, Trento Hospital, Italy

<sup>9</sup> Department of Pathology, IEO, Milano, Italy

<sup>10</sup> Department of Pathology, Mestre Hospital, Italy

### OP24-3

#### INFLAMMATORY MYOFIBROBLASTIC TUMOUR OF THE LUNG – MORPHOLOGY DECEIVES HISTOGENESIS

Lina Carvalho<sup>1</sup>, Conceicao Moura<sup>2</sup>, Rosete Nogueira<sup>3</sup>, Ana Paula Martins<sup>4</sup>, Eugenia Pinto<sup>5</sup>, Ana Gomes<sup>1</sup>, Maria Joao Falcao<sup>1</sup>, Maria Silva<sup>1</sup>

<sup>1</sup> Pathology Institute, Medical Faculty, University of Coimbra, Portugal

<sup>2</sup> Hospital São João, Porto, Portugal

<sup>3</sup> Hospital Vila Nova Gaia, Gaia, Portugal

<sup>4</sup> Hospital Sta Cruz, Carnaxide, Portugal

<sup>5</sup> Hospital Santa Marta, Lisboa, Portugal

#### **OP24-4**

##### **PROGNOSTIC IMPACT OF INTRATUMORAL AND STROMAL LYMPHOCYTIC INFILTRATE IN NON-SMALL-CELL LUNG CANCER**

Khalid Al-Shibli<sup>1</sup>, Tom Donnem<sup>2</sup>, Samer Al-Saad<sup>3</sup>, Marit Delghandi<sup>4</sup>, Magnus Persson<sup>5</sup>, Marit Nilsen<sup>5</sup>, Roy Bremnes<sup>2</sup>, Lill-Tove Busund<sup>3</sup>

<sup>1</sup> Department of Pathology, Nordland Central Hospital, Norway

<sup>2</sup> Department of Oncology, University Hospital of Northern, Norway

<sup>3</sup> Department of Pathology, University Hospital of Northern, Norway

<sup>4</sup> Institute of Clinical Medicine, University of Tromso, Norway

<sup>5</sup> Institute of Medical Biology, University of Tromso, Norway

#### **OP24-5**

##### **CATHEPSIN-K IMMUNOHISTOCHEMISTRY IN THE SENSITIVE AND SPECIFIC DETECTION OF MICROGRANULOMAS IN HYPERSENSITIVITY PNEUMONITIS**

Daniela Reghellin<sup>1</sup>, Bruno Murer<sup>2</sup>, Venerino Poletti<sup>3</sup>, Sara Tomassetti<sup>3</sup>, Alberto Cavazza<sup>4</sup>, Giulio Rossi<sup>5</sup>, Giuseppe Pelosi<sup>6</sup>, Serena Pedron<sup>1</sup>, Licia Montagna<sup>1</sup>, Paola Piccoli<sup>1</sup>, Marco Chilosi<sup>1</sup>

<sup>1</sup> Department of Pathology, Verona University, Italy

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<sup>4</sup> Department of Pathology, Reggio Emilia Hospital, Italy

<sup>5</sup> Department of Pathology, Modena and Reggio Emilia University, Italy

<sup>6</sup> Department of Pathology, IEO, Milan, Italy

## **Gastrointestinal Pathology**

**17:30 – 19:30**

### **Dolmabahçe C**

#### **OP25-1**

##### **TUMOURS WITH PERITONEAL METASTASIS OF COLORECTAL OR APPENDICEAL ORIGIN ARE A SPECIFIC SUBGROUP**

Sjoerd Bruin, Andrew Vincent, Vic Verwaal, Frans Zoetmulder, Laura Van Het Veer, Marie-Louise Van Velthuysen  
Netherlands Cancer Institute, Amsterdam, The Netherlands

#### **OP25-2**

##### **IMMUNO-EXPRESSION OF PRO- AND ANTI-APOPTOTIC PROTEINS IN H. PYLORI INFECTION ASSOCIATED WITH GASTRITIS AND DUODENAL ULCER**

Christiane Cartelle, Cláudia Mendes, Celso Oliveira, Mônica Demas, Ana Nogueira

Federal University of Minas Gerais, Brazil

#### **OP25-3**

##### **LYMPH NODE ANALYSIS IN COLORECTAL CANCER: THE IMPACT OF THE USE OF CLEARING FAT SOLUTION**

Rair Xavier, Túlio Pereira, Ana Nogueira

Federal University of Minas Gerais, Brazil

#### **OP25-4**

##### **ALTERATIONS OF MDRI AND MRP1 FUNCTIONAL ACTIVITY OF COLORECTAL MALIGNANCIES**

Tamas Micsik<sup>1</sup>, Tamas Mersich<sup>2</sup>, Zsolt Baranyai<sup>2</sup>, Ferenc Jakab<sup>2</sup>, Eva Karaszi<sup>2</sup>, Andras Lorincz<sup>2</sup>, Richard Schwab<sup>2</sup>,

Gyorgy Keri<sup>2</sup>, Istvan Petak<sup>2</sup>

<sup>1</sup> Rational Drug Design Laboratory of Cooperation Research Center, Semmelweis University, Budapest, Hungary

<sup>2</sup> Department of Surgery, Uzsoki Teaching Hospital,

Budapest, Hungary

#### OP25-5

##### **PROGESTERON INDUCED BLOCKING FACTOR – PIBF AS A POTENTIAL TUMORMARKER**

Tamas Micsik<sup>1</sup>, Beata Polgar<sup>2</sup>, Klara Rasky<sup>3</sup>, Ferenc Péterfy<sup>3</sup>, Eszter Schafer<sup>4</sup>, Tibor Krenacs<sup>5</sup>, Katalin Jakab<sup>6</sup>, Zsolt Holló<sup>6</sup>, Julia Szekeres-Bartho<sup>2</sup>, Richard Schwab<sup>7</sup>, Istvan Petak<sup>1</sup>

<sup>1</sup> Drug Design Laboratories, Cooperative Research Center,

<sup>1st</sup> Department of Pathology and Experimental Cancer Research, Semmelweis University, Budapest, Hungary

<sup>2</sup> Department of Microbiology and Immunology, Medical University, Pécs, Hungary

<sup>3</sup> Diagnosticum Ltd. , Budapest, Hungary

<sup>4</sup> Department of Gastroenterology, MÁV-Hospital, Budapest, Hungary

<sup>5</sup> 1st Department of Pathology and Experimental Cancer Research, Semmelweis University, Budapest, Hungary

<sup>6</sup> Solvo Ltd. , Budaörs, Hungary

<sup>7</sup> Drug Design Laboratories, Cooperative Research Center, Semmelweis University, Budapest, Hungary

#### OP25-6

##### **THE CRUCIAL ROLE OF PATHOLOGIST IN DETERMINING THE PROGNOSIS OF COLORECTAL CARCINOMA CASES: AN ANALYSIS OF 502 CASES WITH COLORECTAL CARCINOMA BY TURKISH NATIONAL WORKING GROUP OF GASTROINTESTINAL PATHOLOGY**

Sibel Erdamar<sup>1</sup>, Damlanur Sakiz<sup>2</sup>, Fazilet Kayaselcuk<sup>3</sup>, Nesrin Gursan<sup>4</sup>, Ipek Isik Gonul<sup>5</sup>, Nese Demirkan<sup>6</sup>, Hale Kirimlioglu<sup>7</sup>, Figen Doran<sup>8</sup>, Cenk Sokmensuer<sup>9</sup>, Sukru Ozdamar<sup>10</sup>, Berna Savas<sup>11</sup>, Fatma Husniye Dilek<sup>12</sup>, Dilek Yavuzer<sup>13</sup>, Ayse Uzmay<sup>14</sup>

<sup>1</sup> Istanbul University Cerrahpasa Medical Faculty Pathology Depart., Istanbul, Turkey

<sup>2</sup> Sisli Etfal Education and Research Hospital Pathology Depart., Istanbul, Turkey

<sup>3</sup> Adana Baskent University Pathology Depart., Adana, Turkey

<sup>4</sup> Ataturk University Medical Faculty Pathology Depart., Erzurum

<sup>5</sup> Gazi University Medical Faculty Pathology Depart., Ankara

<sup>6</sup> Pamukkale University Medical Faculty Pathology Depart., Denizli

<sup>7</sup> Inonu University Medical Faculty Pathology Depart., Malatya

<sup>8</sup> Cukurova University Medical Faculty Pathology Depart., Adana

<sup>9</sup> Hacettepe University Medical Faculty Pathology Depart., Ankara

<sup>10</sup> Karaelmas University Medical Faculty Pathology Depart., Zonguldak, Turkey

<sup>11</sup> Ankara University Medical Faculty Pathology Depart., Ankara

<sup>12</sup> Kocatepe University Medical Faculty Pathology Depart., Afyonkarahisar, Turkey

<sup>13</sup> Kartal Education and Research Hospital Pathology Depart., Istanbul

<sup>14</sup> Pasabağçe State Hospital Pathology Department, Istanbul, Turkey

#### OP25-7

##### **MUCINOUS TUMOURS OF THE COLORECTUM: RIGHT VERSUS LEFT IN TERMS OF MOLECULAR MECHANISMS**

Berna Savas<sup>1</sup>, Astrid Hirschmann<sup>2</sup>, Andreas Jung<sup>2</sup>, Arzu Ensari<sup>1</sup>, Thomas Kirchner<sup>2</sup>, Nazmiye Kursun<sup>3</sup>

<sup>1</sup> Ankara University, Medical Faculty, Department of Pathology, Turkey

<sup>2</sup> Munich Ludwig Maximilians University, Institute of Pathology, Germany

<sup>3</sup> Ankara University, Medical Faculty, Department of Biostatistics, Turkey

#### OP25-8

##### **THE RELEVANCE OF MULTIPLEX PCR AND HETERODUBLEX ANALYSIS ON DIFFERENTIATING THE REACTIVE VERSUS NEOPLASTIC T CELLS IN THE SPECTRUM OF GLUTEN SENSITIVE ENTEROPATHY – ENTEROPATHY ASSOCIATED T CELL LYMPHOMA.**

Isinsu Kuzu<sup>1</sup>, Yasemin Sahin<sup>1</sup>, Irfan Soykan<sup>2</sup>, Hulya Cetinkaya<sup>2</sup>, Arzu Ensari<sup>1</sup>, Mitat Bozdayi<sup>3</sup>, Oner Dogan<sup>4</sup>, Mine Hekimgil<sup>5</sup>

<sup>1</sup> Ankara University, School of Medicine, Department of Pathology, Ankara, Turkey

<sup>2</sup> Ankara University, School of Medicine, Department of Gastroenterology, Ankara, Turkey

<sup>3</sup> Ankara University, Institute of Hepatology, Ankara, Turkey

<sup>4</sup> Istanbul University, Istanbul School of Medicine, Department of Pathology, Istanbul, Turkey

<sup>5</sup> Ege University, School of Medicine, Department of Pathology, Izmir Turkey.

#### OP25-9

##### **GASTROINTESTINAL AND PANCREATIC NEUROENDOCRINE TUMORS (GEPNETS), ANALYSIS OF A MULTICENTRIC STUDY ON 191 SURGICALLY REMOVED TUMORS**

Yersu Kapran<sup>1</sup>, Gulen Dogusoy Bulbul<sup>2</sup>, Arzu Ensari<sup>3</sup>, Ozgul Sagol<sup>4</sup>, Omer Yerci<sup>5</sup>, Banu Bilezikci<sup>6</sup>, Isin Pak<sup>7</sup>, Fazilet Kayaselcuk<sup>8</sup>, Banu Yilmaz<sup>9</sup>, Yavuz Ozoran<sup>10</sup>,

GEPNET Working Group, Turkish Society of Pathology

<sup>1</sup> Istanbul University, Istanbul Faculty of Medicine, Department of Pathology, Istanbul, Turkey

<sup>2</sup> Istanbul University, Cerrahpasa Faculty of Medicine, Department of Pathology , Istanbul, Turkey

<sup>3</sup> Ankara University, School of Medicine, Department of Pathology, Ankara, Turkey.

<sup>4</sup> Dokuz Eylul University, Faculty of Medicine, Department of Pathology, Izmir, Turkey

<sup>5</sup> Uludag University, Faculty of Medicine, Department of Pathology, Bursa, Turkey

<sup>6</sup> Baskent University, Faculty of Medicine, Department of Pathology , Ankara, Turkey

<sup>7</sup> Ankara Oncology Training and Research Hospital, Department of Pathology, Ankara, Turkey

<sup>8</sup> Baskent University, Faculty of Medicine, Department of Pathology , Adana, Turkey

<sup>9</sup> Sisli-Etfal Research and Training Hospital, Department of Pathology, Istanbul, Turkey

<sup>10</sup> Karadeniz Technical University, Department of Pathology, Trabzon, Turkey

#### OP25-10

##### CLINICOPATHOLOGIC AND MOLECULAR CHARACTERISTICS OF 523 TURKISH GASTROINTESTINAL STROMAL TUMOR CASES: A MULTICENTER STUDY

Gulsah Kaygusuz<sup>1</sup>, Nilgun Cekin<sup>2</sup>, Fikret Sahin<sup>3</sup>, Mitat Bozdayi<sup>4</sup>, Atilla Erhan<sup>5</sup>, Yersu Kapran<sup>6</sup>, Gulen Bulbul Dogusoy<sup>7</sup>, Figen Doran<sup>8</sup>, Omer Yerci<sup>9</sup>, Gokhan Gedikoglu<sup>10</sup>, Beyhan Demirhan<sup>11</sup>, Ayse Dursun<sup>12</sup>, Ozgul Sagol<sup>13</sup>, Basak Doganavsargil<sup>14</sup>, Ata Turker Arikok<sup>15</sup>

<sup>1</sup> Ankara University, School of Medicine, Department of Pathology, Ankara, Turkey

<sup>2</sup> Ankara University, Institute of Biotechnology Ankara, Turkey

<sup>3</sup> Ankara University, School of Medicine, Department of Microbiology, Ankara, Turkey.

<sup>4</sup> Ankara University Institute of Hepatology Ankara, Turkey

<sup>5</sup> Ankara University, School of Medicine, Department of Biostatistics, Ankara, Turkey.

<sup>6</sup> Istanbul University, Istanbul Faculty of Medicine, Department of Pathology, Istanbul, Turkey

<sup>7</sup> University of Istanbul, Cerrahpasa Medical Faculty, Department of Pathology , Istanbul, Turkey

<sup>8</sup> Cukurova University, Faculty of Medicine, Department of Pathology, Adana, Turkey

<sup>9</sup> Uludag University, Faculty of Medicine, Department of Pathology, Bursa, Turkey

<sup>10</sup> Hacettepe University, Faculty of Medicine, Department of Pathology, Ankara, Turkey

<sup>11</sup> Baskent University, Faculty of Medicine, Department of Pathology , Ankara, Turkey

<sup>12</sup> Gazi University, Faculty of Medicine, Department of Pathology, Ankara, Turkey

<sup>13</sup> Dokuz Eylul University, Faculty of Medicine, Department of Pathology, Izmir, Turkey

<sup>14</sup> Ege University, Faculty of Medicine, Department of Pathology, Izmir, Turkey

<sup>15</sup> Diskapi YB Research and Training Hospital, Department of Pathology, Ankara, Turkey

#### OP25-11

##### GASTROINTESTINAL EPITHELIAL DYSPLASIA/NEOPLASIA: WHERE DO TURKISH PATHOLOGISTS STAND - EAST OR WEST?

Sema Arici<sup>1</sup>, Cigdem Ataizi<sup>2</sup>, Semin Ayhan<sup>3</sup>, Banu Bilezikci<sup>4</sup>, Nese Demirkan<sup>5</sup>, Ferhunde Dizdaroglu<sup>6</sup>, Gulen Dogusoy<sup>7</sup>, Figen Doran<sup>8</sup>, Ayse Dursun<sup>9</sup>, Ozlem Elpek<sup>10</sup>, Arzu Ensari<sup>11</sup>, Gokhan Gedikoglu<sup>12</sup>, Suha Gokse<sup>17</sup>, Yesim Gurbuz<sup>13</sup>, Nesrin Gursan<sup>14</sup>, Yersu Kapran<sup>6</sup>, Tuba Karabacak<sup>15</sup>, Fazilet Kayaselcuk<sup>16</sup>, Hale Kirimlioglu<sup>17</sup>, Isin Pak<sup>18</sup>, Ayse Polat<sup>15</sup>, Damlanur Sakiz<sup>19</sup>, Muge Tuncyurek<sup>20</sup>, Omer Yerci<sup>21</sup>, Tetsuo Ushiku<sup>22</sup>, Satoshi Ota<sup>22</sup>, George Imura<sup>22</sup>, Masayuki Itabashi<sup>22</sup>

<sup>1</sup> Cumhuriyet University

<sup>2</sup> Marmara University

<sup>3</sup> Celal Bayar University

<sup>4</sup> Baskent University

<sup>5</sup> Pamukkale University

<sup>6</sup> Istanbul University

<sup>7</sup> Cerrahpasa Medical Faculty

<sup>8</sup> Cukurova University

<sup>9</sup> Gazi University

<sup>10</sup> Akdeniz University

<sup>11</sup> Ankara University

<sup>12</sup> Hacettepe University

<sup>13</sup> Kocaeli University

<sup>14</sup> Ataturk University

<sup>15</sup> Mersin University

<sup>16</sup> Adana Baskent University

<sup>17</sup> Inonu University

<sup>18</sup> Ankara Onkoloji Hospital

<sup>19</sup> Sisli Etfal Hospital

<sup>20</sup> Ege University

<sup>21</sup> Uludag University

<sup>22</sup> Tokyo University, Ibaraki Prefectural Central Hospital

## Pulmonary Pathology

17:30 – 19:30

### Dolmabahçe B

#### OP26-1

##### THE VEGF-SIGNALLING PATHWAY IN PULMONARY SMALL AND NON-SMALL CELL CARCINOMAS – AN IMMUNOHISTOCHEMICAL COMPARATIVE STUDY

Elvira Stacher<sup>1</sup>, Franz Quehenberger<sup>2</sup>, Iris Halbwedl<sup>1</sup>, Margit Gogg-Kamerer<sup>1</sup>, Elisabeth Grygar<sup>1</sup>, Helmut Popper<sup>1</sup>

<sup>1</sup> Institute of Pathology, Medical University Graz, Austria

<sup>2</sup> Institute of Medical Statistics and Documentation, Medical University Graz, Austria

**OP26-2****SUPEROXIDE DISMUTASE POLYMORPHISMS AND EXPRESSION IN IDIOPATHIC PULMONARY FIBROSIS**

Patrizia Morbini<sup>1</sup>, Simona Inghilleri<sup>1</sup>, Ilaria Campo<sup>2</sup>, Chiara Villa<sup>1</sup>, Tiberio Oggioni<sup>2</sup>, Maurizio Luisetti<sup>1</sup>

<sup>1</sup> Policlinico S. Matteo/Università di Pavia, Italy

<sup>2</sup> Policlinico S. Matteo, Italy

**OP26-3****PDGFR BETA, A POTENTIAL TARGET FOR MOLECULAR CHEMOTHERAPY, IS EXPRESSED IN MESOTHELIOMA**

Patrizia Morbini<sup>1</sup>, Chiara Villa<sup>1</sup>, Simona Inghilleri<sup>1</sup>, Camillo Porta<sup>2</sup>

<sup>1</sup> Policlinico S. Matteo/Università di Pavia, Italy

<sup>2</sup> Policlinico S. Matteo, Italy

**OP26-4****EXPRESSION AND PROGNOSTIC SIGNIFICANCE OF PTEN, P27, CKS1 AND SKP2 IN NON-SMALL CELL LUNG CANCER**

Vassiliki Zolota<sup>1</sup>, Vassiliki Tzelepi<sup>1</sup>, Paraskevi Zylfi<sup>1</sup>, Michalis Leotsimidis<sup>2</sup>, Nikolaos Panagopoulos<sup>3</sup>, Demetrios Dougenis<sup>3</sup>, Chrisoula Scopa<sup>1</sup>

<sup>1</sup> Department of Pathology, Medical school, University of Patras, Greece

<sup>2</sup> Laboratory of Public Health, Medical School, University of Patras, Greece

<sup>3</sup> Department of Cardiothoracic Surgery, Medical School, University of Patras, Greece

**OP26-5****DECREASED FOXP3 EXPRESSION IN COPD PATIENTS**

Sergejs Isajevs, Immanuels Taivans, Aina Kratovska, Gunta Strazda, Uldis Kopeika, Valentina Gordjushina

Department of Pathology, Faculty of Medicine, University of Latvia, Latvia

**OP26-6****LUNG INJURY AFTER SURFACTANT TREATMENT – EXPERIMENTAL STUDIES**

Andrzej Marszalek<sup>1</sup>, Monika Seget<sup>2</sup>, Elzbieta Kaczmarek<sup>2</sup>, Wieslawa Biczysko<sup>2</sup>

<sup>1</sup> Department of Pathomorphology Collegium Medicum Nicolaus Copernicus University, Bydgoszcz, Poland and Department of Clinical Pathomorphology Poznan University of Medical Sciences, Poland

<sup>2</sup> Department of Clinical Pathomorphology Poznan University of Medical Sciences, Poland

**OP26-7****EVALUATION OF TKTL1 EXPRESSION IN PRIMARY NON-SMALL CELL LUNG CANCER IN RELATION TO CLINICO-PATHOLOGICAL DATA: WHAT DO AUTOMATED ANALYSES ADD TO HUMAN PERFORMANCE?**

Gian Kayser<sup>1</sup>, Britta Kubitz<sup>1</sup>, Wulf Siene<sup>2</sup>, Dominic Mattern<sup>1</sup>, E. Stickeler<sup>3</sup>, Johannes Coy<sup>4</sup>, Bernward Passlick<sup>2</sup>, Martin Werner<sup>1</sup>, Axel Zur Hausen<sup>1</sup>

<sup>1</sup> Institute of Pathology, University Hospital Freiburg, Germany

<sup>2</sup> Department of Thoracic Surgery, University Hospital Freiburg, Germany

<sup>3</sup> Universitätsfrauenklinik Freiburg, Germany

<sup>4</sup> R-Biopharm AG, Darmstadt, Germany

**OP26-8****SEQUENCING OF THE MITOCHONDRIAL D-LOOP REGION AS A TOOL TO DISCRIMINATE BETWEEN SYNCHRONOUS OR METACHRONOUS PRIMARY LUNG TUMOURS AND INTRAPULMONARY METASTATIC SPREAD**

Giacomo Caprara<sup>1</sup>, Luca Morandi<sup>1</sup>, Maurizio Boaron<sup>2</sup>, Alessandra Cancellieri<sup>3</sup>, Kenji Kawamuka<sup>2</sup>, Annalisa Pession<sup>1</sup>, Giovanni Tallini<sup>1</sup>, Stefania Damiani<sup>1</sup>

<sup>1</sup> Division of Anatomic Pathology University of Bologna, Italy

<sup>2</sup> Division of Thoracic Surgery AUSL di Bologna, Italy

<sup>3</sup> Division of Anatomic Pathology AUSL di Bologna, Italy

**WEDNESDAY, SEPTEMBER 12, 2007**

**Head and Neck Pathology**

**08:30 – 10:00**

**Dolmabahçe A**

**OP27-1**

**INVERTED PAPILOMA AND RESPIRATORY EPITHELIAL ADENOMATOID HAMARTOMA; CONFUSING TERMINOLOGY AND OVERLAPPING FEATURES**

Sulen Sarioglu<sup>1</sup>, Ugur Pabuccuoglu<sup>1</sup>, Mehtat Unlu<sup>1</sup>, Cenk Ecevit<sup>2</sup>

<sup>1</sup>Dokuz Eylul University Faculty of Medicine Department of Pathology Izmir, Turkey

<sup>2</sup>Dokuz Eylul University Faculty of Medicine Department of Otorhinolaryngology and Head and Neck Surgery Izmir, Turkey

**OP27-2**

**THE DIAGNOSTIC ACCURACY OF REVERSE TRANSCRIPTION-PCR QUANTIFICATION OF**

Raynaud Pierre<sup>1</sup>, Garrel Renaud<sup>2</sup>, Rigau Valerie<sup>1</sup>, Dromard Mathilde<sup>3</sup>, Boulle Nathalie<sup>3</sup>, Rousset Thérèse<sup>1</sup>, Costes Valerie<sup>1</sup>

<sup>1</sup>CHU Montpellier, Department of Pathology, Gui de Chauviac Hospital, Montpellier, F-34000 France

<sup>2</sup>CHU Montpellier, Department of Head and Neck Surgery, Gui de Chauviac Hospital, Montpellier, F-34000 France

<sup>3</sup>CHU Montpellier, Department of Cellular Biology, Arnaud de Villeneuve Hospital, Montpellier, F-34000 France

**OP27-3**

**HYPOXIA INDUCIBLE FACTORS HIF1A AND HIF2A ARE LINKED TO POOR RESPONSE OF HEAD-NECK CANCER TO RADIOTHERAPY**

Michael Koukourakis<sup>1</sup>, Alexandra Giatromanolaki<sup>2</sup>, Harilaos Stamos<sup>2</sup>, Vassilios Danielidis<sup>3</sup>, Efthimios Sivridis<sup>2</sup>

<sup>1</sup>Department of Radiotherapy/Oncology, Democritus University of Thrace, Alexandroupolis, Greece

<sup>2</sup>Department of Pathology, Democritus University of Thrace, Alexandroupolis, Greece

<sup>3</sup>Department of Otorhinolaryngology, Democritus University of Thrace, Alexandroupolis, Greece

**OP27-4**

**OVEREXPRESSION OF CORTACTIN IN HEAD AND NECK SQUAMOUS CELL CARCINOMA IS ASSOCIATED WITH POOR PROGNOSIS AND HIGHER LOCAL RECURRENCE RATES**

Van Obberghen-Schilling Ellen<sup>1</sup>, Butori Catherine<sup>2</sup>, Havet Katia<sup>3</sup>, Hofman Véronique<sup>2</sup>, Guevara Nicolas<sup>4</sup>, Santini José<sup>4</sup>,

Hofman Paul<sup>2</sup>

<sup>1</sup>UMR CNRS 6543, University of Nice, Nice, France

<sup>2</sup>Laboratory of Clinical and Experimental Pathology, INSERM ERI-21, Human Tissue Biobank, University of Nice, Nice, France

<sup>3</sup>Laboratory of Clinical and Experimental Pathology, University of Nice, Nice, France

<sup>4</sup>Department of Oto-Rhino-Laryngology, University of Nice, Nice, France

**OP27-5**

**CELL CYCLE PROTEIN EXPRESSION PATTERNS IN HPV-CONTAINING AND -LACKING TONSILLAR SQUAMOUS CELL CARCINOMAS AND ASSOCIATION WITH PROGNOSIS: A ROLE FOR P21?**

Jeroen Mooren<sup>1</sup>, Johannes Manni<sup>2</sup>, Harriet Hafkamp<sup>2</sup>, Boris Klingenberg<sup>1</sup>, Adri Voogd<sup>3</sup>, Fredrik Bot<sup>4</sup>, Sandra Claessen<sup>1</sup>, Anton Hopman<sup>1</sup>, Frans Ramaekers<sup>1</sup>, Bernd Kremer<sup>2</sup>, Ernst-Jan Speel<sup>1</sup>

<sup>1</sup>Department of Molecular Cell Biology, University of Maastricht, The Netherlands

<sup>2</sup>Department of Otorhinolaryngology, Head and Neck Surgery, Academic Hospital Maastricht, The Netherlands

<sup>3</sup>Department of Epidemiology, University of Maastricht, The Netherlands

<sup>4</sup>Department of Pathology, Academic Hospital Maastricht, The Netherlands

**OP27-6**

**ASSOCIATION OF INTERLEUKIN-6 (IL-6) EXPRESSION WITH PROGRESSION OF SQUAMOUS CELL CARCINOMA OF THE HEAD AND NECK IS NOT DEPENDENT ON IL-6 -174 G>C POLYMORPHISM**

Metka Volavšek, Mojca Stražičar, Damjan Glavač

Institute of Pathology, Faculty of Medicine, Ljubljana, Slovenia

**OP27-7**

**PREVALENCE AND TYPING OF HUMAN PAPILOMAVIRUS IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMAS IN GREECE**

Christos Valavanis<sup>1</sup>, Prokopis Vogiatzis<sup>1</sup>, Mircea Corneliu Romanitan<sup>2</sup>, Anders Nasman<sup>2</sup>, Torbjorn Ramqvist<sup>2</sup>, Konstantinos Banis<sup>3</sup>, Petroula Arapantoni-Dadioti<sup>1</sup>, Tina Dalianis<sup>2</sup>

<sup>1</sup>Molecular Pathology Unit, METAXA Cancer Hospital, Piraeus, Greece

<sup>2</sup>Oncology-Pathology Dept, Cancer Center Karolinska, Karolinska Institutet, Karolinska University Hospital, Stockholm, Sweden

<sup>3</sup>Oto-Rhino-Laryngology Dept. , METAXA Cancer Hospital, Piraeus, Greece

**OP27-8****DEVELOPING HUMAN MINOR SALIVARY GLANDS: MORPHOLOGICAL RELATIONSHIP BETWEEN THE EXPRESSION OF TGF-BETA ISOFORMS AND CYTOSKELETAL MARKERS OF DIFFERENTIATION**

Silvia Vanessa Lourenco<sup>1</sup>, Dirce Mary Correia Lima<sup>2</sup>, Sabrina Hitomi Uyekita<sup>3</sup>, Cláudia Malheiros Coutinho Camillo<sup>4</sup>, Marcilei Eliza Cavicchioli Buim<sup>4</sup>, Fernando Augusto Soares<sup>5</sup>

<sup>1</sup>Department of General Pathology, Dental School, University of São Paulo; Laboratory of Immunopathology, Institute of Tropical Medicine and Department of Dermatology, Medical School, University of São Paulo, São Paulo, Brazil

<sup>2</sup>Laboratory of Immunopathology, Institute of Tropical Medicine Medical School, University of São Paulo, São Paulo, Brazil

<sup>3</sup>Department of Dermatology, Medical School, University of São Paulo, São Paulo, Brazil

<sup>4</sup>Department of Pathology, Hospital A.C. Camargo, São Paulo, Brazil

<sup>5</sup>Department of General Pathology, Dental School, University of São Paulo; Department of Pathology, Hospital A. C. Camargo, São Paulo, Brazil

**Molecular Pathology****08:30 – 10:00****Dolmabahçe C****OP28-1****PRIMARY CULTURES FOR PROTEOMIC STUDY IN COLORECTAL CARCINOMA: DO CELLS SURVIVE?**

Stefano Pozzi Mucelli<sup>1</sup>, Alberto Cescato<sup>2</sup>, Enrico Cian<sup>3</sup>, Antonio Paniccià Bonifazi<sup>2</sup>, Renzo Barbazza<sup>2</sup>, Giorgio Stanta<sup>1</sup>

<sup>1</sup>International Centre for Genetic Engineering and Biotechnology, Department of Clinical, Morphological and Technological Sciences, University of Trieste, Italy

<sup>2</sup>Operative Unit of Pathological Anatomy and Histopathology, City Hospital, Feltre, Italy

<sup>3</sup>Operative Unit of General Surgery, City Hospital, Feltre, Italy

**OP28-2****IMPACT OF CELL SENESCENCE AND RAS PATHWAYS IN BREAST CANCER PROGRESSION**

Serena Bonin<sup>1</sup>, Davide Brunetti<sup>2</sup>, Elena Benedetti<sup>3</sup>, Nader Gorji<sup>4</sup>, Giorgio Stanta<sup>1</sup>

<sup>1</sup>University of Trieste and International Centre for Genetic Engineering and Biotechnology, Italy

<sup>2</sup>Friuli-Venezia Giulia Cancer Registry, Italy

<sup>3</sup>International Centre for Genetic Engineering and Biotechnology, Italy

<sup>4</sup>Surgical Pathology Unit, S. Andrea Hospital, La Spezia, Italy

**OP28-3****POTENTIAL OF MICRORNA PROFILING FOR THE DIAGNOSIS OF PAPILLARY THYROID CARCINOMA**

Lassalle Sandra<sup>1</sup>, Hofman Véronique<sup>1</sup>, Butori Catherine<sup>1</sup>, Guevara Nicolas<sup>2</sup>, Santini José<sup>2</sup>, Barbry Pascal<sup>3</sup>, Mari Bernard<sup>3</sup>, Hofman Paul<sup>1</sup>

<sup>1</sup>INSERM ERI-21, Laboratory of Clinical and Experimental Pathology, Human Tissue Biobank, University of Nice, Nice, France

<sup>2</sup>INSERM ERI-21, Department of Oto-Rhino-Laryngology, University of Nice, Nice, France

<sup>3</sup>IPMC CNRS 6097, University of Nice, Sophia Antipolis, France

**OP28-4****GENE EXPRESSION ANALYSIS IDENTIFIES NOVEL RBL2/P130 TARGET GENES IN ENDEMIC BURKITT'S LYMPHOMA CELL LINES AND PRIMARY TUMORS**

Giulia De Falco<sup>1</sup>, Eleonora Leucci<sup>1</sup>, Dido Lenze<sup>2</sup>, Pier Paolo Piccaluga<sup>3</sup>, Anna Onnis<sup>1</sup>, Giovanna Cerino<sup>1</sup>, Joshua Nyagol<sup>1</sup>, Anna Luzzi<sup>1</sup>, Cristiana Bellan<sup>1</sup>, Michael Hummel<sup>2</sup>, Stefano Pileri<sup>3</sup>, Piero Tosi<sup>4</sup>, Harald Stein<sup>2</sup>, Antonio Giordano<sup>5</sup>, Lorenzo Leoncini<sup>1</sup>

<sup>1</sup>Department of Human Pathology and Oncology, University of Siena, Italy

<sup>2</sup>Institute of Pathology, Campus Benjamin Franklin, University of Berlin, Germany

<sup>3</sup>Institute of Haematology and Medical Oncology L. and A. Seragnoli, S. Orsola-Malpighi Hospital, University of Bologna, Bologna, Italy

<sup>4</sup>University of Siena, Italy

<sup>5</sup>Sbarro Institute for Cancer Research and Molecular Medicine Center of Biotechnology, Biolife Science Building Suite 333, Temple University Philadelphia, PA 19122, USA.

**OP28-5****VEGF AS AN AUTOCRINE STIMULATOR OF PROLIFERATION AND MOTILITY IN ASTROGLIAL CELL LINES**

Petra Knizetova, Alice Hlobilkova, Zdenek Kolar, Jiri Ehrmann

Laboratory of Molecular Pathology, Institute of Pathology, Palacky University, Hnevotinska 3, 775 15 Olomouc, Czech Republic

**OP28-6****PRESENCE OF VIP SYSTEM AT THE NUCLEAR CELL MEMBRANE IN DUCTAL BREAST CARCINOMA IN SITU**

Ana Valdehita<sup>1</sup>, M. Jose Carmena<sup>1</sup>, M. Isabel Arenas<sup>2</sup>, Antonio RufZ-Villaespesa<sup>3</sup>, Pedro Valenzuela<sup>4</sup>, Juan C. Prieto<sup>1</sup>, Ana M. Bajo<sup>1</sup>

<sup>1</sup>Biochemistry and Molecular Biology Department, Alcala University, Spain

<sup>2</sup>Cell Biology and Genetics Department, Alcala University, Spain

<sup>3</sup>Pathology Department, Principe de Asturias Hospital, Spain

<sup>4</sup>Obstetrics and Gynecology Department, Principe de Asturias Hospital, Spain

**OP28-7****LOSS OF HETEROZYGOSITY (LOH) FOR THE 17Q22-24 LOCUS, PRKARIA GENE MUTATIONS AND MICROSATELLITE INSTABILITY (MSI) IN BASAL CELL CARCINOMA (BCC)**

Angeliki Stamatelli<sup>1</sup>, Thaleia. A Bei<sup>2</sup>, Angelika. A Saetta<sup>1</sup>, Sotirios Stergiopoulos<sup>2</sup>, Sosipatros Boikos<sup>2</sup>, Efstratios Patsouris<sup>1</sup>, Kiriaki Aroni<sup>1</sup>, Constantine A Stratakis<sup>2</sup>

<sup>1</sup>1<sup>st</sup> Department of Pathology, School of Medicine, National and Kapodistrian University of Athens, Athens, Greece

<sup>2</sup>Section of Endocrinology & Genetics, DEB, National Institutes of Child Health and Human Development, NIH, Bethesda, MD, USA

**OP28-8****THE FUSE/FBP/FIR/TFIIH-SYSTEM IS A MOLECULAR MACHINERY EQUIPPED TO CONTROL THE EXPRESSION OF THE C-MYC PROTO-ONCOGENE BY SENSING DNA-CONFORMATION OF THE PROMOTER AND FINE-TUNING TRANSCRIPTIONAL OUTPUT**

Weber Achim<sup>1</sup>, Liu Juhong<sup>2</sup>, Collins Irene<sup>2</sup>, Levens David<sup>2</sup>

<sup>1</sup>Department of Pathology, Institute of Clinical Pathology, University Zurich, Switzerland

<sup>2</sup>Gene Regulation Section, Laboratory of Pathology, NCI, NIH, Bethesda, MD 20892, USA

**Head and Neck Pathology****11:00 – 12:00****Dolmabahçe A****OP29-1****E -CADHERIN LOSS AND DELTA-NP73L EXPRESSION IN ORAL SQUAMOUS CELL CARCINOMAS**

Alberto Righi<sup>1</sup>, Roberto Cocchi<sup>2</sup>, Luca Morandi<sup>1</sup>, Gianluca Marucci<sup>1</sup>, Maria G. Pennesi<sup>2</sup>, Annalisa Tosi<sup>1</sup>, Dario De Biase<sup>1</sup>, Annalisa Pession<sup>1</sup>, Lucio Montebugnoli<sup>3</sup>, Maria Pia Foschini<sup>1</sup>

<sup>1</sup>Anatomic Pathology, University of Bologna, at Bellaria Hospital, Bologna, Italy

<sup>2</sup>Department of Maxillo-Facial Surgery, Bellaria Hospital, Bologna, Italy

<sup>3</sup>Department of Dental Sciences, University of Bologna, Bologna, Italy

**OP29-2****HTERC TELOMERASE GENE AMPLIFICATION AT 3Q DEMONSTRATED WITH FISH ANALYSIS STRATIFIES LARYNGEAL PRECURSOR LESIONS**

Kay Hertel, Regine Dahse, Birgit John, Hartwig Kosmehl

Institute of Pathology, HELIOS Klinikum Erfurt GmbH, Germany

**OP29-3****CHROMOSOME INSTABILITY AS DETECTED BY FISH PREDICTS PROGRESSION OF PREMALIGNANT LESIONS OF THE LARYNX**

Ewa Bergshoeff<sup>1</sup>, Annick Haesevoets<sup>2</sup>, Fredrik Bot<sup>3</sup>, Adri Voogd<sup>4</sup>, Anton Hopman<sup>2</sup>, Frans Ramaekers<sup>2</sup>, Johannes Manni<sup>1</sup>, Ernst-Jan Speel<sup>2</sup>

<sup>1</sup>Department of Otorhinolaryngology, Head and Neck Surgery, Academic Hospital Maastricht, The Netherlands

<sup>2</sup>Department of Molecular Cell Biology, University of Maastricht, The Netherlands

<sup>3</sup>Department of Pathology, Academic Hospital Maastricht, The Netherlands

<sup>4</sup>Department of Epidemiology, University of Maastricht, The Netherlands

**OP29-5****HIGH PREVALENCE OF HPV INFECTION IN HEAD AND NECK SQUAMOUS CELL LESIONS.**

Patrizia Morbini<sup>1</sup>, Paola Alberizzi<sup>2</sup>, Giulia Bertino<sup>2</sup>, Patrizia Gatti<sup>2</sup>, Chiara Villa<sup>1</sup>, Marco Benazzo<sup>1</sup>

<sup>1</sup>Policlinico S. Matteo/Università di Pavia, Italy

<sup>2</sup>Policlinico S. Matteo, Italy

**OP29-6****CO-EXPRESSION OF EGFR AND CYCLIN-D1 PREDICTS RADIOCURABILITY OF T2N0 SQUAMOUS CARCINOMA OF THE LARYNX**

Mark Rafferty<sup>1</sup>, Andrew Jones<sup>1</sup>, Terry Jones<sup>1</sup>, David Husband<sup>2</sup>, Tim Helliwell<sup>1</sup>

<sup>1</sup>University of Liverpool, United Kingdom

<sup>2</sup>Clatterbridge Centre for Oncology, United Kingdom

## **Molecular Pathology**

**11:00 – 12:00**

**Dolmabahçe C**

### **OP30-1**

#### **MOLECULAR H&E**

Ali Can, Harvey E. Cline, Xiaodong Tao, Musodiq O. Bello, Maximilian L. Seel, Michael J. Gerdes, Fiona Ginty, Michael Montalto.

Molecular Imaging and Diagnostics Advanced Technology Program, General Electric, Global Research Center, Niskayuna, NY, USA

### **OP30-2**

#### **AUTOMATED IMAGE ANALYSIS FOR HIGH-THROUGHPUT QUANTITATIVE DETECTION OF ER AND PGR EXPRESSION LEVELS IN LARGE-SCALE CLINICAL STUDIES: THE TEAM TRIAL EXPERIENCE**

Dana Faratian<sup>1</sup>, Charlene Kay<sup>1</sup>, Fiona Campbell<sup>1</sup>, Tammy Robson<sup>1</sup>, Margaret Grant<sup>2</sup>, Daniel Rea<sup>2</sup>, John Bartlett<sup>1</sup>

<sup>1</sup>Endocrine Cancer Group, Edinburgh Cancer Research Centre, University of Edinburgh, Crewe Road South, Edinburgh, EH4 2XR, United Kingdom

<sup>2</sup>Institute for Cancer Studies, University of Birmingham, Edgbaston, Birmingham, B15 2TT, United Kingdom

### **OP30-3**

#### **MOLECULAR PROFILING OF SIGNAL PATHWAYS IN FORMALIN FIXED CANCER TISSUES USING PROTEIN LYSATE MICROARRAYS**

Karl-Friedrich Becker, Hildegard Mack, Susanne Hipp, Christina Schott, Heinz Hofler

Technical University of Munich - Institute of Pathology, Germany

### **OP30-4**

#### **MOLECULAR EVALUATION AND CLINICAL CORRELATION OF T(14;18)(BCL-2/IGH) IN 26 CASES OF FOLLICULAR LYMPHOMA: THE IMPACT OF DIFFERENT MOLECULAR APPROACHES**

Nur Selvi<sup>1</sup>, Buket Kosova<sup>2</sup>, Mine Hekimgil<sup>3</sup>, Cumhuri Gunduz<sup>2</sup>, Burcin Tezcanli<sup>2</sup>, Emin Karaca<sup>4</sup>, Guray Saydam<sup>5</sup>,

Yesim Ertan<sup>3</sup>, Nejat Topcuoglu<sup>2</sup>

<sup>1</sup>Ege University, Faculty of Medicine, Departments of Medical Biology, Izmir, Turkey

<sup>2</sup>Ege University, Faculty of Medicine, Departments of Medical Biology, Izmir, Turkey

<sup>3</sup>Ege University, Faculty of Medicine, Departments of Pathology, Izmir, Turkey

<sup>4</sup>Ege University, Faculty of Medicine, Departments of Medical Genetics, Izmir, Turkey

<sup>5</sup>Ege University, Faculty of Medicine, Departments of Haematology, Izmir, Turkey

### **OP30-5**

#### **OPTIMISATION OF DNA EXTRACTION AND AMPLIFICATION FROM LASER MICRODISSECTED PARAFFIN EMBEDDED BREAST CARCINOMA FOR ARRAY COMPARATIVE GENOMIC HYBRIDIZATION (ACGH): PROBLEMS AND SOLUTIONS**

Tarek Abdel-Fatah<sup>1</sup>, Desmond Powe<sup>1</sup>, Maryou Lambros<sup>2</sup>, Jorge Reis-Filho<sup>2</sup>, Ian Ellis<sup>1</sup>

<sup>1</sup>Division of Pathology, School of Molecular Medical Sciences and Nottingham University Hospitals Trust, University of Nottingham, Nottingham, United Kingdom

<sup>2</sup>The Breakthrough Breast Cancer Research Centre, Institute of Cancer Research, London, United Kingdom

## **Neuropathology**

**17:30 – 19:30**

**Dolmabahçe A**

### **OP31-1**

#### **NEURONAL ALTERATIONS IN RAT HYPOTHALAMIC TYPE HYPOTHYROIDISM**

George Stoica

TAMU, USA

### **OP31-2**

#### **THE IMPACT OF IGF-1 AND VEGF ON CELLULAR PROLIFERATION AND INVASIVENESS OF PITUITARY ADENOMAS**

Aydin Sav<sup>1</sup>, Sertac Akpulat<sup>2</sup>

<sup>1</sup>Marmara University Hospital, Department of Pathology, Altunizade, Istanbul, Turkey

<sup>2</sup>Pathology Laboratory, Acibadem Health Group, Altunizade, Istanbul, Turkey

### **OP31-3**

#### **PROGNOSTIC EFFECT OF KI-67 PROLIFERATION INDEX IN GLIOBLASTOMA MULTIFORME**

Ufuk Abacioglu<sup>1</sup>, Berrin Gucluer<sup>2</sup>, Ilknur Cetin<sup>1</sup>,

Zuleyha Akgun<sup>1</sup>, Evrim Tezcanli<sup>1</sup>, Meric Sengoz<sup>3</sup>, Aydin Sav<sup>4</sup>

<sup>1</sup>Marmara University, Radiation Oncology Department,

Istanbul, Turkey

<sup>2</sup> Goztepe Research and Education Hospital Pathology Department, Istanbul, Turkey

<sup>3</sup> Acibadem Health Group, Radiation Oncology Department, Kozyatagi Hospital, Istanbul, Turkey.

<sup>4</sup> Marmara University Pathology Department, Altunizade, Istanbul, Turkey

#### **OP31-4**

##### **VASCULOGENESIS IN HUMAN GLIOMAS**

Johan Kros, Pingpin Zheng

Department of Pathology Erasmus Medical Center, Rotterdam, The Netherlands

#### **OP31-5**

##### **IDENTIFICATION OF GLIOMA NEOVASCULARISATION-RELATED PROTEINS BY USING MALDI-FTMS AND NANO-LC FRACTIONATION TO MICRODISSECTED TUMOR VESSELS**

Dana Mustafa, Johan Kros

Dept. of Pathology, Erasmus Medical Center, Rotterdam,  
The Netherlands

#### **OP31-6**

##### **INTERLEUKIN (IL)-8 EXPRESSION AND MICROVASCULARITY IN DIFFUSE ASTROCYTOMAS**

Vassilis Samaras<sup>1</sup>, Penelope Korkolopoulou<sup>1</sup>,

Nikolaos Kavantzias<sup>2</sup>, Christina Piperi<sup>3</sup>, Georgia Levidou<sup>2</sup>, Kalliopi Diamantopoulou<sup>4</sup>, Konstantinos Kouzelis<sup>5</sup>,

Vassilis Varsos<sup>6</sup>, Dimitrios Rologis<sup>7</sup>, Efstathios Boviatis<sup>8</sup>, Kalliopi Petraki<sup>9</sup>, Euphemia Thomas-Tsagli<sup>4</sup>, Calypso Barbatis<sup>1</sup>,  
Efstratios Patsouris<sup>2</sup>

<sup>1</sup> Department of Pathology, Red Cross Hospital, Athens, Greece

<sup>2</sup> Department of Pathology, University of Athens Medical School, Athens, Greece

<sup>3</sup> Laboratory of Biological Chemistry, University of Athens Medical School, Athens, Greece

<sup>4</sup> Department of Pathology, Asklepeion Hospital, Athens, Greece

<sup>5</sup> Department of Neurosurgery, Asklepeion Hospital, Athens, Greece

<sup>6</sup> Department of Neurosurgery, Red Cross Hospital, Athens, Greece

<sup>7</sup> Department of Neurosurgery, Metropolitan Hospital, Athens, Greece

<sup>8</sup> Department of Neurosurgery, University of Athens Medical School, "Evangelismos" Hospital, Greece

<sup>9</sup> Department of Pathology, Metropolitan Hospital, Athens, Greece

#### **OP31-7**

##### **ACTIVATION OF ENDOGENOUS REMYELINATION CAPACITY IN EXPERIMENTAL ALLERGIC ENCEPHALOMYELITIS FOLLOWING TRANSPLANTATION OF NEURAL STEM CELLS**

Eleni Polyzoidou<sup>1</sup>, Nikolaos Grigoriadis<sup>2</sup>, Georgia Deretzi<sup>3</sup>,

Olga Touloumi, Aggeliki Giannakopoulou<sup>2</sup>, Stavros Polyzoidis<sup>2</sup>, Constantina Simeonidou<sup>4</sup>, Savvas Grigoriadis<sup>2</sup>,

Dimitrios Karakostas-Manousakis<sup>2</sup>, Nikolaos Artemis<sup>2</sup>,

Nikolaos Taskos<sup>2</sup>, Ioannis Milonas<sup>2</sup>, Georgios Karkavelas<sup>1</sup>

<sup>1</sup> Laboratory of Pathology, Ahepa University Hospital, Thessaloniki, Greece

<sup>2</sup> B Department of Neurology, Ahepa University Hospital, Thessaloniki, Greece

<sup>3</sup> Department of Neurology, Hippokration Hospital, Thessaloniki, Greece

<sup>4</sup> Laboratory of Physiology, Aristotle University Of Thessaloniki, Greece

#### **OP31-8**

##### **EXPRESSION PROFILING IN GLIOBLASTOMA MULTIFORME IDENTIFIES SURVIVAL-RELATED GENES OF THE PHOSPHATIDYLINOSITOL 3'-KINASE SIGNALING PATHWAY**

Teresa Ribalta<sup>1</sup>, Yolanda Ruano<sup>2</sup>, Manuela Mollejo<sup>2</sup>,

Concepción Fiaño<sup>3</sup>, José L. Hernández-Moneo<sup>2</sup>, Elena Gómez<sup>4</sup>, Bárbara Meléndez<sup>2</sup>

<sup>1</sup> Hospital Clinic, University of Barcelona, Barcelona, Spain

<sup>2</sup> Hospital Virgen de la Salud, Toledo, Spain

<sup>3</sup> Hospital Xeral Cies, Vigo, Spain

<sup>4</sup> Centro Nacional de Investigaciones Científicas (CNIO),  
Madrid, Spain

#### **OP31-9**

##### **MEDULLOBLASTOMA: CLINICOPATHOLOGIC EVALUATION OF 51 CASES.**

Yesim Ertan<sup>1</sup>, Murat Sezak<sup>1</sup>, Bengu Demirag<sup>2</sup>, Mehmet Kantar<sup>2</sup>, Nazan Cetingul<sup>3</sup>, Yusuf Ersahin<sup>3</sup>, Saffet Mutluer<sup>3</sup>, Taner Akalin<sup>1</sup>

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<sup>3</sup> Ege University School of Medicine, Department of Neurosurgery, Izmir, Turkey