

**Final programme of the 12th ENSAT Meeting in Budapest
22-23. November 2013.**

22. November, Friday

13.00-14.00 Lunch

14.00-14.10 Welcome address (Peter Igaz, Felix Beuschlein) Ball Room

14.10-18.00 Working Group meetings:

**14.10-16.00. Adrenocortical cancer (ACC) Working Group (Ball Room) –
*Martin Fassnacht***

**14.10-16.00. Pheochromocytoma Working Group (Panorama Room) –
*Anne-Paule Gimenez-Roqueplo***

Coffee Break 16.00-16.20

16.20-18.00 NAPACA Working Group (Ball Room) – *Massimo Terzolo*

**16.20-18.00 Aldosterone producing adenoma APA Working Group (Panorama Room) –
*Maria-Christina Zennaro***

18.00-18.30 General assembly (20 Minutes + 10 Minutes registry presentation by Anthony Stell) (Ball Room)

18.30-19.30. Presentation of Project proposals (e.g. 5 minutes each including discussion, chaired by the Working Group heads) (Ball Room)

20.30- Dinner at the Hotel

23. November, Saturday

8.00-10:00. 12 oral presentations (7 minutes + 3 minutes discussion) on Adrenocortical Cancer (ACC) (Ball Room)

Chairs: Eric Baudin and Michaela Luconi

OR01 8.00-8.10

Increased Steroidogenic factor-1 dosage promotes Rho small GTPase activation, actin cytoskeleton remodelling and invasion of human adrenocortical cancer cells
Ruggiero C, Doghman M, Lalli E

OR02 8.10-8.20

AFF3, a new target of Wnt/ β -catenin pathway, involved in adrenocortical carcinoma

Lucile Lefevre, Hanin Omeiri, Ludivine Drougat, Stéphanie Rodriguez, Karine Perlemoine, Marthe Rizk-Rabin, Jérôme Bertherat, Bruno Ragazzon

OR03 8.20-8.30

Expression of CYP2W1 in adrenal gland: relationship with hormone secretion and tumor development

Cristina L. Ronchi, Silviu Sbiera, Marco Volante, Sonja Steinhauer, Vanessa Wild, , Massimo Terzolo, Martin Fassnacht, Bruno Allolio

OR04 8.30-8.40

Role of the VANIN-1 gene in adrenocortical tumorigenesis in mice

Perle Latré de Laté, Abeer El Wakil, Marielle Jarjat, Philippe Naquet, Tanya Karpova, Leslie L. Heckert, Enzo Lalli

OR05 8.40-8.50

Diagnostic and prognostic role of morphological and phospho-histone H3-based mitotic count compared to Ki-67 proliferation index in adrenocortical carcinoma

Eleonora Duregon, Luca Molinaro, Marco Volante, Laura Ventura, Luisella Righi, Stefania Bolla, Massimo Terzolo, Anna Sapino, Mauro Papotti

OR06 8.50-9.00

Plasma microRNAs in adrenocortical tumours

Diana Rita Szabó, Michaela Luconi, Peter M. Szabó, Miklós Tóth, Nikolette Szücs, János Horányi, Zoltán Nagy, Massimo Mannelli, Attila Patócs, Károly Rácz, Peter Igaz

OR07 9.00-9.10

Development of a prognostic tool of adrenocortical cancer (ACC) based on DNA methylation analysis

Anne Jouinot, Guillaume Assié, Rossella Libé, Olivia Barreau, Thomas Papatomas, Nadim Hamzaoui, Silviu Sbiera, Christina Ronchi, Matthias Kroiss, Jens Waldmann, Marcus Quinkler, Felix Beuschlein, Massimo Mannelli, Michaela Luconi, Franco Mantero, Jonathan Grivel, Stephanie Rodriguez, Lionel Groussin, Eric Baudin, Xavier Bertagna, Eric Clouser, Ronald de Krijger, Martin Fassnacht, Jérôme Bertherat

OR08 9.10-9.20

Differential TNF α and Toll-like-receptor 4–signaling in endocrine tumors after Tumor-Vascular-Disrupting Agent ASA404 (vadimezan) and TNF α treatment

Constanze Hantel, Regia Lira, Alexandra Ozimek, Roman Frantsev, Martin Reincke, Thomas Mussack, Felix Beuschlein

OR09 9.20-9.30

Mitotane induces endoplasmic reticulum stress triggering apoptosis and decrease of steroid hormone synthesis

Silviu Sbiera, Laura Wiemer, Ellen Leich, Annemarie Gehl, Felix Gardill, Cristina L. Ronchi, Margarita Bala, Andreas Schirbel, Andreas Rosenwald, Bruno Allolio, Martin Fassnacht, Matthias Kroiss

OR10 9.30-9.40

Antitumoral effects of 9-cis retinoic acid in adrenocortical cancer: in vitro and in vivo studies

Diana Rita Szabó, Kornélia Baghy, Peter M. Szabó, Zoltán Nagy, Ilona Kovalszky, Attila Patócs, Károly Rácz, Peter Igaz

OR11 9.40-9.50

Treatment of advanced adrenocortical carcinoma with thalidomide: discouraging results of a retrospective analysis of 14 patients

Timo Deutschbein, Daniela Körbl, Christina L. Ronchi, Felix Beuschlein, Bruno Neu, Marcus Quinkler, Margarita Bala, Stefanie Hahner, Bruno Allolio, Martin Fassnacht, Matthias Kroiss, on behalf of the German Adrenocortical Carcinoma Study Group

OR12 9.50-10.00

Developing a pharmacokinetic model of mitotane: towards personalized medicine in adrenocortical carcinoma

Kerkhofs TMA, Derijks LJJ, Eттаieb MHT, Den Hartigh J, Neef C, Gelderblom AJ, Guchelaar HJ, Haak HR

10:00-10:30 Coffee break

10:30-12:10. 10 oral presentations ((7 minutes + 3 minutes discussion)) on adrenocortical adenomas (7 APA + 3 NAPACA) (Ball Room)

Chairs: Martin Reincke and Olivier Chabre

OR13 10.30-10.40

Somatic ATP1A1, ATP2B3 and KCNJ5 mutations in aldosterone-producing adenomas

Tracy Ann Williams, Silvia Monticone, Vivien R. Schack, Julia Stindl, Fabrizio Buffolo, Felix Beuschlein, Martin Reincke, Francesco Fallo, Giampaolo Bernini, Mauro Maccario, Gilberta Giacchetti, Franco Veglio, Richard Warth, Bente Vilsen, Paolo Mulatero

OR14 10.40-10.50

Prevalence of KCNJ5, CACNA1D, ATP1A and ATP2B3 mutations in aldosterone producing adenoma

Fabio Luiz Fernandes-Rosa, Benoit Samson-Couterie, Laurence Amar, Xavier Jeunemaitre, Sheerazed Boulkroun, Maria-Christina Zennaro

OR15 10.50-11.00

Mutations in ATP1A1 and ATP2B3 in aldosterone producing adenomas

Tobias Akerström, Kenko Cupisti, Julian Ip, Holger Sven Willenberg, Jan Zedenius, Ana Moser⁶, Hendrik Lehnert, K. Alexander Iwen, Bruce Robinson, Stan Sidhu, Martin Anlauf, Henning Dralle, Martin Bäckdahl, Gunnar Westin, Per Hellman, Peyman Björklund

OR16 11.00-11.10

Immunohistological diagnosis of aldosterone producing adenoma and tumor mutation status

Laurence Amar; Fabio Luis Fernandes-Rosa; Benoit Samson-Couterie; Frédérique Tissier; Jérôme Bertherat; Tchao Meatchi; Maria-Christina Zennaro; Sheerazed Boulkroun

OR17 11.10-11.20

Lack of influence of somatic mutations on steroid gradients of adrenal vein sampling in aldosterone producing adenomas

Osswald A, Fischer E, Degenhart C, Quinkler M, Bidlingmaier M, Pallauf A, Lang K, Mussack T, Hallfeldt K, Beuschlein F, Reincke M.

OR18 11.20-11.30

Cardiovascular complications associated with primary aldosteronism: a controlled cross-sectional study

Savard S, Amar L, Plouin PF, Steichen O

OR19 11.30-11.40

Long-term Cardio- and Cerebro-Vascular Events in Patients with Primary Aldosteronism

Paolo Mulatero, Silvia Monticone, Chiara Bertello, Andrea Viola, Davide Tizzani, Andrea Iannaccone, Valentina Crudo, Jacopo Burrello, Alberto Milan, Franco Rabbia, Franco Veglio

OR20 11.40-11.50

Haplotypes of the steroid 21-hydroxylase gene (CYP21A2) are related to ACTH-induced steroid hormone levels

Marton Doleschall, Julianna Anna Szabo, Juilia Pazmandi, Agnes Szilágyi, Klara Koncz, Miklos Toth, Zoltan Prohaszka, Edit Glaz, Karoly Racz, Attila Patocs

OR21 11.50-12.00

Integrative analysis of SF-1 transcription factor dosage impact on genome-wide binding and gene expression regulation

Mabrouka Doghman, Bonald C. Figueiredo, Marco Volante, Mauro Papotti, Enzo Lalli

OR22 12.00-12.10

Analysis of BclI, N363S and ER22/23EK polymorphism of the glucocorticoid receptor gene in a large series of patients with adrenal incidentaloma.

G. Reimondo, M. Coletta, D. Giachino, I. Chiodini, D. Kastelan, V. Morelli, S. Cannavi, A.Cuccurullo, P. Beck-Peccoz, M. De Marchi, M. Terzolo

12.10-13.10 Lunch + ENSAT Steering Committee Meeting (Venus room)

13.10-14.30 Guided poster tours (3 minutes for presentation + 2 minutes discussion in 3 parallel sessions) + ESF-ENSAT Steering Committee Meeting (Venus room)

1. 16 posters on ACC (P1-P16) *Chairs: Harm Haak and Enzo Lalli*

2. 15 posters on PHEO (P17-P31) *Chairs: Mercedes Robledo and Ronald de Krijger*

3. 14 posters on APA + NAPACA (P32-P45) *Chairs: Sheerazed Boulkroun and*

Darko Kastelan

14.30-16.10 10 oral presentations ((7 minutes + 3 minutes discussion)) on Pheochromocytoma and paraganglioma (PHEO/PGL) (Ball Room)

Chairs: Massimo Mannelli and Graeme Eisenhofer

OR23 14.30-14.40

SDH mutations establish a hypermethylator phenotype in paraganglioma

Eric Letouzé, Cosimo Martinelli, Céline Lorient, Nelly Burnichon, Chris Ottolenghi, Mélanie Ménara, Alexandre Buffet, Jérôme Bertherat, Laurence Amar, Pierre Rustin, Aurélien De Reyniés, Anne-Paule Gimenez-Roqueplo, Judith Favier

OR24 14.40-14.50

TERT promoter mutations in tumors originating from the adrenal gland and extra-adrenal paraganglia

Thomas G. Papathomas, Lindsey Oudijk, Ellen C. Zwarthoff, Edward Post, Floor A. Duijkers, Max M. van Noesel, Leo J. Hofland, Patrick J. Pollard, Eamonn R. Maher, David F. Restuccia, Richard A. Feelders, Gaston J.H. Franssen, Henri J. Timmers, Stefan Sleijfer, Wouter W. de Herder, Ronald R. de Krijger, Winand N.M. Dinjens, Esther Korpershoek

OR25 14.50-15.00

Heterogenous genetic background of coexistence of pheochromocytoma/paraganglioma and pituitary adenoma

Judit Dénes, Francesca Swords, Paraskevi Xekouki, Eleanor Rattenberry, Karen Stals, Ajith Kumar, Christopher Wassif, Naomi Fersht, Stephanie Baldeweg, Damian Morris, Stafford Lightman, Amar Agha, Aled Rees, Joan Grieve, Michael Powell, Cesar Luiz Boguszewski, Pinaki Dutta, Rajesh V Thakker, Umasuthan Srirangalingam, Chris J Thompson, Maralyn Druce, Claire Higham, Julian Davis, Mark Stevenson, Brendan O'Sullivan, Phillipe Taniere, Kassiani Skordilis, Plamena Gabrovska, Anne Barlier, Susan M Webb, Anna Aulinas, William M. Drake, John Bevan, Cristina Preda, Nadezhda Dalantaeva, Antônio Ribeiro-Oliveira Jr, Ashley B. Grossman, Jacqueline Trouillas, Sian Ellard, Eamonn Maher, Constantine A. Stratakis, Federico Roncaroli, Márta Korbonits

OR26 15.00-15.10

Opposing effects of HIF1 α and HIF2 α on chromaffin cell phenotypic features and tumor cell proliferation: insights from MAX

Nan Qin, Aguirre A. de Cubas, Ruben Garcia-Martin, Susan Richter, Mirko Peitzsch, Mario Menschikowski, Jacques W. M. Lenders, Henry Timmers, Massimo Mannelli, Giuseppe Opocher, Matina Economopoulou, Gabriele Siegert, Triantafyllos Chavakis, Karel Pacak, Mercedes Robledo, Graeme Eisenhofer

OR27 15.10-15.20

The bone morphogenic protein 7 (Bmp7) plays a pro-tumorigenic role in pheochromocytoma

Ines Repokis, Ines Höfig, Natasa Anastasof, Felix Beuschlein, Ronald R de Krijger, Michael John Atkinson, Natalia S. Pellegata

OR28 15.20-15.30

Germline and somatic mosaicism in HIF2A-related polycythaemia-paraganglioma syndrome

Alexandre Buffet, Sarra Smati, Ludovic Mansuy, Mélanie Ménara, Maëlle Lebras, Marie-Françoise Heymann, Christophe Simian, Judith Favier, Arnaud Murat, Bertrand Cariou, Anne-Paule Gimenez-Roqueplo

OR29 15.30-15.40

Acute catecholamine cardiomyopathy in patients with pheochromocytoma or functional paraganglioma

Giavarini A, Chedid A, Bobrie G, Plouin PF, Hagegravege A, Amar L

OR30 15.40-15.50

Correlation between in vivo 18F-fluorodeoxyglucose PET and immunohistochemical markers of glucose uptake and metabolism in pheochromocytoma and paraganglioma

A. van Berkel, J.U. Rao, B. Kusters, J.W.M Lenders, T. Demir, E. Visser, A.R. Mensenkamp, J.A.W.M. van der Laak, E. Oosterwijk, O.C. Boerman, F.C. Sweep, R.A. Wevers, A.R. Hermus, H.P.M. Kunst, K. Pacak, M. Gotthardt, H.J.L.M. Timmers

OR31 15.50-16.00

Seasonal variation of plasma free normetanephrine concentrations: implications for biochemical diagnosis of pheochromocytoma

Christina Pamporaki, Michael Bursztyn, Manja Reimann, Tjalf Ziemssen, Stefan R. Bornstein, Fred C.G.J. Sweep, Jacques W.M. Lenders, Graeme Eisenhofer

OR32 16.00-16.10

Succinate:fumarate ratio for identification and stratification of pheochromocytomas and paragangliomas due to SDHx mutations

Susan Richter, Mirko Peitzsch, Elena Rapizzi, Jacques W. Lenders, Nan Qin, Aguirre A. de Cubas, Francesca Schiavi, Jyotsna U. Rao, Felix Beuschlein, Marcus Quinkler, Henri J. Timmers, Giuseppe Opocher, Massimo Mannelli, Karel Pacak, Mercedes Robledo, Graeme Eisenhofer

16.10-16.30 Conclusions, poster awards and farewell, welcome for the 2014 meeting in Nice

List of posters:

P1-16 ACC

P1 c-myc modulation affects drug responsivity in adrenocortical cancer cells

L. Cerquetti, C. Sampaoli, R. Marchese, P. Fiore, B. Bucci, P. Lardo, V. Toscano, A. Stigliano

P2 Primary cell culture of adrenocortical carcinoma (ACC) as a model to predict in-vivo mitotane sensitivity

Arianna Ardito, Antonina Germano, Barbara Zaggia, Vittoria Basile, Valentina Bellino, Chiara Sciolla, Fulvia Daffara, Massimo Terzolo

- P3 EGFR mutation status in adrenocortical tumors, rational for screening towards personalized medicine.**
Fredrik Wikander, Rajani Maharjan, Tobias Akerström, Joakim Crona, Peter Stölberg, Per Hellman, Peyman Björklund
- P4 Identification of EZH2 as a new actor of malignant progression in adrenal cortex carcinoma**
Drelon Coralie, Berthon Annabel, Ragazzon Bruno, Tissier Frédérique, Kuick Rork, Giordano Tom, Assié Guillaume, Batisse-Lignier Marie, Tauveron Igor, Sahut-Barnola Isabelle, Lefrançois-Martinez Anne-Marie, Bertherat Jérôme, Martinez Antoine, Val Pierre
- P5 Switching off Wnt/ β -catenin signaling with new drugs in adrenocortical cell tumors**
Beatrice Rubin, Raffaele Pezzani, Maria Verena Cicala, Maurizio Iacobone, Carla Scaroni, Franco Mantero
- P6 Binding of Helix Pomatia agglutinin glycoproteins is a predictor of poor survival in adrenal cancers**
Radu Mihai, Mo Heetun, Gregory P Sadler, Susan Brooks, Parameswaran Rajeev
- P7 Glucocorticoids are involved in the regulation of circadian expressed genes in H295R cell line**
Zsolt Nagy, Henriett Butz, Istvan Liko, Karoly Racz, Attila Patocs
- P8 Establishment of patient-individual tumor models for endocrine tumors**
Constanze Hantel, Franzi Scheller, Alexandra Ozimek, Costanza Chiapponi, Thomas Mussack, Felix Beuschlein
- P9 The laterality of adrenocortical carcinoma is different from pheochromocytoma - data from a literature search and the German Adrenocortical Carcinoma Registry**
Margarita Bala, Cristina L. Ronchi, Matthias Kroiss, Bruno Allolio, Martin Fassnacht on behalf of the German Adrenocortical Carcinoma Study Group
- P10 Incidentally found adrenocortical cancer (ACC) in a group of 2500 patients with adrenal incidentalomas observed at a single endocrinological unit**
Anna A Kasperlik-Zaluska, Andrzej Cichocki, Maciej Otto, Katarzyna Roszkowska, Rafal Z Slapa, Elzbieta Roslonowska, Jadwiga Slowinska-Srzednicka, Wojciech Jeske, Piotr Dudek, Wojciech Zgliczynski
- P11 CRYOABLATION and dynamic hip screw internal fixation of a painful sclerotic adrenocortical cancer bone metastasis in the proximal femur: a multidisciplinary approach**
Freitas R., Fragoso MCBV, Grasel CF, Lerario AM, Mendonça BB,, Buendia LA, Naim R, Gangi A

- P12 Laparoscopic surgery for malignant and potentially malignant adrenal tumors**
GN Zografos, I Perysinakis, I Spyridakis, A Nixon, A Diamantopoulos, E Kyrodimou
- P13 Prognostic parameters in Adrenocortical Carcinoma**
George Zografos, Eleftherios Chatzellis, George Boutzios, Efi Kyrodimou, Dimitris Thomas, Gregory Kaltsas
- P14 Suspected metastatic Adrenocortical Carcinoma revealing as Pulmonary Kaposi Sarcoma in Adrenal Cushing's syndrome**
Margarita Bala, Cristina L. Ronchi, Josef Pichl, Vanessa Wild, Bruno Allolio, Stefanie Hahner
- P15 Cerebral metastases – a very rare presentation of adrenocortical cancer**
Radu Mihai, Derek Roskell, Andrew Weaver
- P16 Efficacy of mitotane in adrenal carcinoma: a case report**
Zampetti B, Grossrubastcher E, Dalino Ciaramella P, Vanzulli A, Loli P

P17-31 PHEO/PGL

- P17 Charaterization of a novel fluorescence-based animal model of pheochromocytoma**
Ullrich M, Bergmann R, Pietzsch J, Schally AV, Cartellieri M, Chavakis T, Qin N, Peitzsch M, Eisenhofer G, Bornstein SR, Ziegler CG
- P18 Anti-cancer Potential of MAPK Pathway Inhibition in Paragangliomas – Effect of Different Statins on Mouse Pheochromocytoma Cells**
Stephanie M.J. Fliedner, Tobias Engel, Nikoletta K. Lendvai, Angela Oldoerp, Uma Shankavaram, Svenja Nölting, Robert Wesley, Abdel Elkalouhn, Hendrik Ungefroren, Gary Lampert, Hendrik Lehnert, Henri Timmers, Karel Pacak
- P19 A novel somatic SDHA mutation in pheochromocytoma identified by targeted next generation sequencing.**
Joakim Crona, Rajani Maharjan, Margareta Nordling, Peter Stölberg, Per Hellman, Peyman Björklund
- P20 Targeted Next Generation Sequencing reveals frequent somatic NF1 mutations in pheochromocytoma**
Joakim Crona, Rajani Maharjan, Peter Stölberg, Per Hellman, Peyman Björklund
- P21 Targeted next generation sequencing of 11 genes associated with pheochromocytoma. Bioinformatic challenges in the clinical diagnostic setting**
Joakim Crona, Viktor Ljungström, Staffan Welin, Martin K. Walz, Per Hellman, Peyman Björklund

- P22 Life-threatening emergencies in patients with pheochromocytoma**
Anna Riester, Dirk Weismann, Marcus Quinkler, Urs Lichtenauer, Roland Halbritter, Christine Spitzweg, Klaus Hallfeldt, Jochen Schopohl, Felix Beuschlein, Martin Reincke
- P23 Prevalence of SDHA mutations and associated clinical spectrum among patients with pheochromocytomas, extra adrenal paragangliomas and glomus tumors**
A.R. Mensenkamp, J.U. Rao, K. van Gassen, B. Kusters, D.H. Kunst, M.H.F. Bongers, J.W.M. Lenders, H.J.L.M. Timmers
- P24 Genotype-specific differences in uptake of 123I-metaiodobenzylguanidine across hereditary and sporadic pheochromocytomas and paragangliomas**
A. van Berkel, J.W.M. Lenders, A.R. Hermus, I. Piscaer, M. Gotthardt, H.J.L.M. Timmers
- P25 The interpretation of the genetic analysis of pheochromocytoma/paraganglioma may be a challenge for the clinician**
Letizia Canu, Elena Rapizzi, Benedetta Zampetti, Rossella Fucci, Gabriella Nesi, Susan Richter, Nan Qin, Valentino Giache, Paolo Prosperi, Gabriele Parenti, Andrea Valeri, Tonino Ercolino, Graeme Eisenhofer, Massimo Mannelli
- P26 An intriguing case of Carney Stratakis: SDHA and what else?**
Francesca Schiavi, Elisa Taschin, Paola Sartorato, Stefania Zovato, Ronald De Krijger, Ambrogio Fassina, Giuseppe Opocher
- P27 An unusual presentation of a hereditary pheochromocytoma**
Zampetti B., Grossrubastcher E., Dalino Ciaramella P., Boniardi M., Pugliese R., Bonacina E., Penco S., Granata S., Giannattasio C., Loli P
- P28 Incidentally discovered pheochromocytoma and subclinical hypercortisolism: clues for a chromaffin-cortical interaction?**
Dalino Ciaramella P, Grossrubastcher E, Zampetti B, Giacomoni A, De Carlis L, Petrella D. Loli P
- P29 Pituitary tumors in SDH mutation carriers**
Serena Dematti, Giovanna Branz, Giulia Casagrande, Mauro Recla, Paola Sartorato, Stefania Zovato, Francesca Schiavi, Giuseppe Opocher
- P30 Is immunohistochemistry always reliable in detecting SDH-mutated patients?**
Elena Rapizzi, Rossella Fucci, Valentino Giachè, Andrea Valeri, Tonino Ercolino, Gabriella Nesi, Letizia Canu, Massimo Mannelli
- P31 Immunohistochemical Characterization of Stem Cell Markers in Pheochromocytomas and Paragangliomas**
L. Oudijk, C. Neuhofer, T.G. Papatomas, E. Korpershoek, H. Stoop, J.W. Oosterhuis, M. Smid, D.F. Restuccia, U. Lichtenauer, M. Robledo, M. Mannelli, AP. Gimenez-Roqueplo, W.N.M. Dinjens, F. Beuschlein, R.R. de Krijger

P32-P44

APA + NAPACA

P32 WNT/ β -catenin Signalling is Activated in Aldosterone Producing Adenomas and Controls Aldosterone Production

Annabel Berthon, Coralie Drelon, Bruno Ragazzon, Sheerazed Boulkroun, Frédérique Tissier, Laurence Amar, , Benoît Samson-Couterie, Maria-Christina Zennaro, Pierre-François Plouin, Seham Skah, Michelina Plateroti, Hervé Lefebvre, Isabelle Sahut-Barnola, Marie Batische-Lignier, Guillaume Assié, Anne-Marie Lefrançois-Martinez, Jérôme Bertherat, Antoine Martinez, Pierre Val

P33 Mutation screening of Yin Yang 2 in a large cohort of adrenocortical tumours

Tobias Åkerström, Tobias Gustafsson, Rajani Maharjan, Kenko Cupisti, Holger Sven Willenberg, Per Hellman, Peyman Björklund

P34 Mutation screening of KCNJ3, KCNK3 and KCNK9 in aldosterone producing adenomas

Tobias Gustavsson, Tobias Akerström, Holger S Willenberg, Kenko Cupisti, Per Hellman, Peyman Björklund

P35 The influence of KCNJ5 mutation status on cellular composition and GIRK4 expression

Ana Moser, Tobias Akerström, Holger S. Willenberg, Kenko Cupisti, Per Hellman, Peyman Björklund

P36 Detection of KCNJ5 variants in aldosterone-secreting adrenal adenoma

Gabor Nyiro, Istvan Marczell, Nikolette Szucs, Edit Glaz, Miklos Toth, Karoly Racz, Attila Patocs

P37 Utility of LC-MS/MS based steroid profiling of adrenal venous samples for characterizing patients with primary aldosteronism

Matthias Haase, Mirko Peitzsch, Tanja Dekkers, Leo J. Schultzekool, Ad R.R.M. Hermus, Fred C.G.J. Sweep, Oliver Vonend, Lars C. Rump, Gerald Antoch, Dirk Blondin, Stefan R. Bornstein, Jacques W. Lenders, Holger S. Willenberg, Jaap Deinum, Graeme Eisenhofer

P38 Utility of LC-MS/MS based steroid profiling in adrenal venous samples: discrepancies with immunoassay measured cortisol

Mirko Peitzsch, Tanja Dekkers, Matthias Haase, Leo J. Schultzekool, Ad R.R.M. Hermus, Dirk Blondin, Fred C.G.J. Sweep, Gerald Antoch, Gabriele Siegert, Jacques Lenders, Jaap Deinum, Holger S. Willenberg³, Graeme Eisenhofer¹

P39 The role of the Bcll and the A3669G polymorphisms of the glucocorticoid receptor gene in patients with hormonally inactive adrenal adenomas

Orsolya Acs, Bence T. Acs, Karolina Feldman, Istvan Liko, Judit Majnik, Edit Gláz, Miklos Toth, Karoly Racz, Attila Patocs

- P40 Liquid chromatography-tandem mass spectrometry evaluation of urinary free cortisol and cortisone in Cushing's syndrome (CS), adrenal incidentaloma and suspected CS.**
Ceccato Filippo, Antonelli Giorgia, Barbot Mattia, Cicala Maria Verena, Pezzani Raffaele, Rubin Beatrice, Gatti Rosalba, Schibotto Viviana, Plebani Mario, Scaroni Carla, Mantero Franco
- P41 Immunohistochemical analysis of adrenal cortical tumors**
Altieri B, Fadda G, Pontecorvi A, Della Casa S.
- P42 State of art on research of new ultrasound methods for evaluation of non-malignant adrenal masses - initial results**
Rafal Z Slapa, Anna A Kasperlik-Zaluska, Bartosz Migda, Wiesaw S Jakubowski
- P43 Bilateral Massive Adrenal Haemorrhage from an Incidentaloma, precipitated by E.Coli Urinary tract infection**
Angshuman Maulik, Adil El-Nujumi, Ben Adler
- P44 Rare case of Cushings disease**
Faiza Qari
- P45 Rare cause of Addisson disease**
Faiza Qari