

BENELUX KIDNEY MEETING 2019

NEDERLANDSE FEDERATIE VOOR NEFROLOGIE & BELGISCHE VERENIGING VOOR
NEFROLOGIE, SOCIÉTÉ BELGE DE NÉPHROLOGIE

DUTCH & BELGIAN SOCIETIES FOR NEPHROLOGY

Date

Friday, October 11th, 2019

The **BENELUX Kidney Meeting** is part of the
Science Day (Wetenschapsdag),
with parallel symposia by:

The Dutch Federation for Nephrology (NFN)
and the Belgian Society for Nephrology (BVN/SBN)

The Dutch Kidney Patients Association (NVN)
The Dutch Kidney Foundation (NSN)
Niernieuws.nl

Venue

Conference Center Van der Valk Eindhoven
www.hoteleindhoven.nl/en/meetings-events

Address

Conference Center Van der Valk Eindhoven
Aalsterweg 322
6544 RL Eindhoven
The Netherlands

Detailed Directions & Public Transportation

www.hoteleindhoven.nl/en/contact#route

Program and abstract book files:

www.nefro.nl

Contact

Dr. Tom Nijenhuis (Tom.Nijenhuis@radboudumc.nl; 024-3614761)

Dr. Johan van der Vlag (Johan.vandervlag@radboudumc.nl; 024-3616539)

Program at a glance

Welcome

09.30-10.00 Registration and welcome

Joint Science Day Kick-off

10.00-10.05 Opening Science Day

Marja Ho-Dac

New director of the Dutch Kidney Patient Foundation (NVN)

10.05-10.25

Invited lecture

Verschillen in hoe vaak dialyse en transplantatie voorkomt tussen Nederland en België: Wat kunnen we van elkaar leren? (in Dutch)

Dr. Vianda Stel

Department of Epidemiology, Amsterdam UMC

10.25-10.45

Invited lecture

Wat is de toekomst van nierfunctievervangende behandeling in Europa? (in Dutch)

Prof. Dr. Dirk Kuypers

Department of Nephrology, University Hospital Leuven

Morning Oral Abstract Presentations and Poster Highlight session

11.00-12.15 Oral abstract presentations and short (3-minute) plenary pitches of selected posters

Lunch Break and Poster Discussions

12.15-13.15 Lunch (provided)

13.15-14.15 Moderated parallel poster sessions

Afternoon Oral Abstract Presentations, Invited Speaker and Awards sessions

14.15-16.15 Oral abstract presentations

16.15-16.45 **Invited lecture**

Senescence

Prof. Dr. Roel Goldschmeding

Department of Pathology, University Medical Center Utrecht

16.45-17.00 **News from PLAN (Platform AIO's Nefrologie)**

17.00 **Drinks and Awards Session with awards for best oral abstracts and poster highlight**

Friday October 11th 2019 - Van der Valk Hotel Eindhoven, Aalsterweg 322 Eindhoven

Full Program

Welcome

Location: TBA

9.30-10.00 Welcome with coffee and tea

Joint Science Day Kick-off

Location: TBA

10.00-10.05 Opening Science Day

Marja Ho-Dac

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Prof. Dr. Dirk Kuypers

Department of Nephrology, University Hospital Leuven

Morning Oral Abstract Presentations Session

Location: TBA

Chair: Representative BVN-SBN

11.00-11.12

O1. KIDNEY-CENTERED RADIOTHERAPY ATTENUATES RENAL ISCHEMIA-REPERFUSION INJURY IN MICE

Badr Khbouz¹, Pascal Rowart¹, Jean-Marie Krzesinski¹, François Lallemand², François Jouret¹

¹: GIGA Cardiovascular Sciences, University of Liège, Belgium; ²: Radiotherapy Unit, CHU of Liège, Belgium

11.12-11.24

O2. CIRCULATING LONG NONCODING RNAs ARE ASSOCIATED WITH DIABETIC NEPHROPATHY (DN) AND NORMALIZE AFTER SIMULTANEOUS PANCREAS-KIDNEY TRANSPLANTATION (SPKT)

Koen E Groeneweg¹, Yu Wah Au¹, Johan W de Fijter¹, Anton Jan van Zonneveld¹, Marlies EJ Reinders¹, Roel Bijkerk¹

¹Department of Internal Medicine (Nephrology), Leiden University Medical Center, The Netherlands

11.24-11.36

O3. MULTICENTER RANDOMIZED CONTROLLED TRIAL OF VITAMIN K ANTAGONIST REPLACEMENT BY RIVAROXABAN WITH OR WITHOUT VITAMIN K2 IN HEMODIALYSIS PATIENTS WITH ATRIAL FIBRILLATION: THE VALKYRIE STUDY

Caluwé R¹, Verbeke F², Pyfferoen L³, De Bacquer D⁴, De Boeck K⁵, Delanote J³, De Surgeloose D⁶, Van Hoenacker P⁷, Van Vlem B¹, De Vriese AS⁸.

part of:

¹Division of Nephrology, OLV Hospital, Aalst, Belgium. ²Division of Nephrology, University Hospital, Gent, Belgium. ³Department of Medical Imaging, AZ Sint-Jan Brugge, Brugge, Belgium. ⁴Department of Public Health, Gent University, Belgium. ⁵Division of Nephrology, ZNA Hospital, Antwerp, Belgium. ⁶Department of Medical Imaging, ZNA Hospital, Antwerp, Belgium. ⁷Department of Medical Imaging, OLV Hospital, Aalst, Belgium. ⁸Division of Nephrology and Infectious Diseases, AZ Sint-Jan Brugge, Brugge, Belgium.

11.36-11.48

O4. LAMINAR FLOW PROFOUNDLY AFFECTS GLOMERULAR ENDOTHELIAL CELL MORPHOLOGY AND FUNCTIONALITY

Daan 't Hart, Johan van der Vlag and Tom Nijenhuis

Department of Nephrology, Radboud university medical center, Nijmegen, the Netherlands

Poster Highlights Session (3-minute poster pitches of selected posters)

Location: TBA

Chair: Representative BVN-SBN

11.50-11.53

P8. IMPACT OF IMMUNOSUPPRESSIVE DRUGS ON ENDOTHELIAL BARRIER

Ootes D¹, Hordijk P¹, Vervloet MG², Van der Heijden JW², Bezu J¹, Nurmohamed SA²

¹Department of Physiology, and ²Department of Nephrology, Amsterdam UMC, Amsterdam, The Netherlands

11.53-11.56

P13. NATIONAL OBSERVATIONAL STUDY MONITORING THE RESTRICTIVE REGIMEN OF ECULIZUMAB THERAPY IN aHUS IN THE NETHERLANDS

Romy N. Bouwmeester¹, Caroline Duineveld¹, Kioa L. Wijnsma¹, Jack F. Wetzels¹, Nicole Van De Kar¹, CUREiHUS study group

¹Radboud University Medical Center, Nijmegen, Netherlands

11.56-11.59

P14. THE IMPACT OF DIETARY FIBER INTAKE ON GUT-DERIVED URAEMIC TOXINS IN PAEDIATRIC CKD

Amina El Amouri¹, Evelien Snauwaert¹, An Desloovere¹, Aurélie Foulon¹, Charlotte Vande Moortel¹, Griet Glorieux², Wim Van Biesen², Johan Vande Walle¹, * Sunny Eloot², * Ann Raes¹ *contributed equally to the study

Paediatric Nephrology and Rheumatology Section, Department of Paediatrics, Ghent University Hospital, Corneel Heymanslaan 10, 9000 Ghent, Belgium. Nephrology Section, Department of Internal Medicine and Paediatrics, Ghent University Hospital, Corneel Heymanslaan 10, 9000 Ghent, Belgium

11.59-12.02

P15. GENERATING A HUMAN APOL1 G2/G2 PODOCYTE CELL MODEL TO STUDYING APOL1-RELATED KIDNEY DISEASE MECHANISM

Ekulu PM^{1,2}, Arcolino FO¹, Elmonem MA¹, Nkoy AB², Adebayo OC¹, Aloni MN², Decuyper JP¹, Uzureau S³, Lecordier L³, Lepira FB⁴, Pays E³, Mekahli D¹, van den Heuvel LP¹, Levtchenko EN¹.

¹Department of Development and Regeneration, KU Leuven, Leuven, Belgium. ²Division of Nephrology, Department of Pediatrics, University of Kinshasa, Democratic Republic of Congo.

³Laboratory of Molecular Parasitology, IBMM, Université Libre de Bruxelles, Belgium. ⁴Division of Nephrology, Department of Internal Medicine, University of Kinshasa, Democratic Republic of Congo

12.02-12.05

P20. INVESTIGATING THE PATHOPHYSIOLOGY AND A POTENTIAL THERAPEUTIC APPROACH FOR CYSTINOSIS

A Jamalpoor¹, E Zaal², C Berkers², E Levtchenko³, R Masereeuw¹, M Janssen¹

¹Utrecht University, Faculty of Science, Department of Pharmaceutical Sciences, Division of Pharmacology, The Netherlands. ²Utrecht University, Biomolecular Mass Spectrometry and Proteomics, Department of Biomolecular Sciences, The Netherlands. ³Department of Paediatric Nephrology & Growth and Regeneration, University Hospitals Leuven KU Leuven, University of Leuven, Leuven, Belgium

12.05-12.08

P22. PANNEXIN-1 MEDIATES FLUID SHEAR STRESS-SENSITIVE PURINERGIC SIGNALING AND CYST GROWTH IN POLYCYSTIC KIDNEY DISEASE

Eric H.J. Verschuren¹, Juan P. Rigalli¹, Charlotte Castenmiller¹, Meike U. Rohrbach¹,

part of:

René J.M. Bindels¹, Francisco J. Arjona¹, Dorien J.M. Peters² and Joost G.J. Hoenderop¹

¹Department of Physiology, Radboud Institute for Molecular Life Sciences, Radboud university medical center, Nijmegen, the Netherlands. ²Department of Human Genetics, Leiden University Medical Centre, Leiden, the Netherlands

12.08-12.11 P24. THE EDITH KIDNEY PATIENT SURVEY ON MODALITY CHOICE AMONG MORE THAN 8000 EUROPEAN DIALYSIS AND TRANSPLANT PATIENTS

Rianne W. de Jong, MD¹, Vianda S. Stel, PhD¹, Raymond C. Vanholder, MD PhD³, Ziad A. Massy, MD PhD⁴, Kitty J. Jager, MD PhD¹

¹ERA-EDTA Registry, Department of Medical Informatics, Amsterdam Public Health Research Institute, Amsterdam UMC, University of Amsterdam, Amsterdam, The Netherlands, ²University Hospital Gent, Belgium, ³Division of Nephrology, Ambroise Pare University Hospital and Inserm U1018 Eq5, Boulogne Billancourt/Paris cedex, France

12.11-12.14 P26. RISE OF PLASMA SODIUM INDUCES SYNDECAN-1 SHEDDING DURING HEMODIALYSIS

Josephine Koch*, Nienke M.A. Idzerda*, Esmée M. Ettema, Johanna Kuipers, Wendy Dam, Jacob van den Born and Casper F.M. Franssen *These authors contributed equally to this work
Department of Nephrology, UMCG, University of Groningen, Groningen, The Netherlands

Lunch Break

12.15-13.15 Lunch (provided)

Poster Discussion (moderated digital parallel sessions)

Location: TBA

13.15-14.15 Poster sessions A, B, C, D, and E (maximum 7 minutes per poster)
(See page 8-12 of the program for details)

Afternoon Oral Presentations Session, Invited Speaker and Awards sessions

Location: TBA

Chair: Representative NFN

14.15-14.27 O5. ORGANOIDS AS A MODEL TO STUDY RENAL ELECTROLYTE TRANSPORT: OPTIMIZATION PROTOCOL FOR DCT ENRICHMENT

V. Carotti¹, J.P. Rigalli¹, C. Olde Hanhof², Jitske Jansen², J. van der Wijst¹, J. Hoenderop¹

¹Department of Physiology, Radboud Institute for Molecular Life Sciences, Radboud university medical center, Nijmegen, the Netherlands. ²Department of Pathology, Radboud Institute for Molecular Life Sciences, Radboud university medical center, Nijmegen, the Netherlands

14.27-14.39 O6. ANCA- AND B-CELL-STATUS PREDICT RELAPSES AFTER INDUCTION THERAPY WITH RITUXIMAB BUT NOT WITH CYCLOPHOSPHAMIDE IN ANCA-ASSOCIATED VASCULITIS

Laura S. van Dam^{1*}, Ebru Dirikgil^{1*}, Edwin O.W. Bredewold¹, Argho Ray¹, Jaap A. Bakker², Ton J. Rabelink¹, Cees van Kooten¹, Y.K. Onno Teng¹ * both authors contributed equally

¹Department of Internal Medicine, section Nephrology, LUMC Leiden, the Netherlands, ²Department of Clinical Chemistry and Laboratory Medicine, Leiden University Medical Center, Leiden, the Netherlands

14.39-14.51 O7. DIMINISHED EFFICACY OF THE ANGIOTENSIN RECEPTOR BLOCKER LOSARTAN DURING HIGH POTASSIUM INTAKE IN CKD PATIENTS

part of:

- R.D. Wouda¹, F. Waanders², D. de Zeeuw³, G. Navis³, L.Vogt¹
¹Amsterdam University Medical Centers, Amsterdam Cardiovascular Sciences, Amsterdam, The Netherlands, ²Isala Clinics, Zwolle, The Netherlands, ³University Medical Center Groningen, Groningen, The Netherlands
- 14.51-15.03 O8. SELECTIVE BINDING OF HEPARIN/HEPARAN SULPHATE OLIGOSACCHARIDES TO FACTOR H AND FACTOR H-RELATED PROTEINS HAVE THERAPEUTIC POTENTIAL FOR C3 GLOMERULOPATHIES**
- Marissa L. Maciej-Hulme¹, Markus A. Loeven¹, Edwin Kellenbach², Mark de Graaf¹, Toon van Kuppevelt³, Jack Wetzels¹, Ton J. Rabelink⁴, Richard J. H. Smith⁵, Johan van der Vlag¹
¹Department of Nephrology, Radboud Institute for Molecular Life Sciences, Radboud university medical center, Nijmegen, The Netherlands; ²Development and Technical Support Aspen Oss, Oss, The Netherlands; ³Department of Nephrology, Radboud Institute for Molecular Life Sciences, Radboud university medical center, Nijmegen, The Netherlands; ⁴Department of Nephrology and Einthoven Laboratory for Vascular Medicine, Leiden University Medical Center, Leiden, The Netherlands; ⁵Department of Internal Medicine and Otolaryngology, Carver College of Medicine, Iowa City, USA
- 15.03-15.15 O9. PREVALENCE, PROGRESSION AND IMPLICATIONS OF BREAST ARTERY CALCIFICATION IN PATIENTS WITH CHRONIC KIDNEY DISEASE ACROSS STAGES OF DISEASE**
- Brecht Van Brakel¹, Chantal van Ongeval², Amaryllis H. Van Craenenbroeck¹, Katrien de Vusser¹, Pieter Evenepoel¹
¹Department of Nephrology and Renal Transplantation, University Hospitals Leuven and Laboratory of Nephrology, Department of Microbiology and Immunology, KU Leuven, Leuven, Belgium; ²Department of Radiology, Universisty Hospitals Leuven, Belgium
- 15.15-15.27 O10. ENDOTHELIAL GLYCOCALYX HYALURONAN IS REQUIRED FOR GLOMERULAR INTEGRITY AND IS DETERMINED BY SHEAR STRESS REGULATED GLUCOBIOSYNTHESIS**
- Bernard M. van den Berg¹, Gangqi Wang¹, Sarantos Kostidis², Wendy M.P.J. Sol¹, Martin Giera², Johan van der Vlag³ and Ton J. Rabelink¹
¹The Einthoven Laboratory for Vascular and Regenerative Medicine, Department of Internal Medicine, Division of Nephrology, Leiden University Medical Center, Leiden, The Netherlands. ²Center for Proteomics & Metabolomics, Leiden University Medical Center, Leiden, The Netherlands. ³Department of Nephrology, Nijmegen Centre for Molecular Life Sciences, Radboud University Medical Centre, Nijmegen, The Netherlands
- 15.27-15.39 O11. DEVELOPMENT AND CHARACTERIZATION OF HUMAN INDUCED PLURIPOTENT STEM CELL-DERIVED KIDNEY ORGANOIDS TO MODEL IDIOPATHIC AND CONGENITAL NEPHROTIC SYNDROME**
- Jitske Jansen^{1,2}, Tijmen van den Berge^{1,3}, Laura Miesen¹, Fieke M. Mooren¹, Rutger Maas³, Jack F. Wetzels³, Michiel F. Schreuder^{2*}, Bart Smeets^{1*} *Contributed equally.
¹Dept. of Pathology, Radboud Institute for Molecular Life Sciences, Radboud university medical center, Nijmegen, the Netherlands. ²Dept. of Pediatric Nephrology, Radboud Institute for Molecular Life Sciences, Radboud university medical center, Amalia Children's Hospital, Nijmegen, the Netherlands. ³Dept. of Nephrology, Radboud Institute for Health Sciences, Radboud university medical center, Nijmegen, the Netherlands.
- 15.39-15.51 O12. EX VIVO GENE THERAPY RESCUES THE CELLULAR PHENOTYPE IN CYSTINOTIC URINE-DERIVED KIDNEY PROGENITOR CELLS: A PROSPECT ON CELL-BASED GENE THERAPY**
- Koenraad Veys^{1,2}, Fanny Oliveira Arcolino¹, Lambertus van den Heuvel¹, Elena Levchenko^{1,2}
¹Laboratory of Pediatric Nephrology – G-PURE group, Department of Development & Regeneration, KU Leuven, Leuven, Belgium. ²Pediatric Nephrology, Department of Pediatrics, UZ Leuven, Leuven, Belgium.
- 15.51-16.03 O13. DIETARY SALT MODIFIES THE BLOOD PRESSURE RESPONSE TO RENIN-ANGIOTENSIN INHIBITION IN EXPERIMENTAL CKD**
- Dominique M. Bovée, C.C. Cuevas Gallardo, Alexander H.J. Danser, Robert Zietse, Ewout J. Hoorn

part of:

Erasmus Medical Center, Rotterdam, Netherlands

16.03-16.15

O14. THE IMMUNOMETABOLIC FINGERPRINT OF THE AGED KIDNEY

Alessandra Tammaro¹, Minka Zivkovic¹, Loes Butter¹, Nike Claessen¹, Joris Roelofs¹ and Sandrine Florquin¹

¹Department of Pathology, Amsterdam UMC, Amsterdam, The Netherlands

16.15-16.45

Invited lecture

Senescence

Prof. Dr. Roel Goldschmeding

Department of Pathology, University Medical Center Utrecht

16.45-17.00

News from PLAN (Platform AIO's Nefrologie)

17.00

Drinks and Awards Session with awards for best oral abstracts and poster highlight

- 500 EURO, *best oral abstract*
- 250 EURO, *second best oral abstract*
- 100 EURO, *third best oral abstract*
- 100 EURO, *best poster highlight*

Poster session A

Clinical Nephrology

Location: TBA

Chairs: TBA

P1. A TEN-YEAR REVIEW OF REVASCULARIZATION IN PATIENTS WITH RENAL ARTERY STENOSIS

N.E. Tibben, R. Oosterhof-Berkas, R.M.L. Brouwer.

Medisch Spectrum Twente, Enschede

P2. IMPLEMENTATION OF A STRUCTURED CARE PATHWAY FOR RESISTANT HYPERTENSION IN SECONDARY CARE: PATIENT PROFILE AFTER 1 YEAR

Joris Vanparys^{1,2}, Maité Deblaton¹, Béatrice Van Frachen^{1,3}, Axel Derwa^{1,2}

1. Hypertensiekliniek, 2. Dienst nefrologie, 3. Dienst cardiologie, Kliniek St. Jan, Brussel

P3. NEPHRO-GERIATRIC ASSESSMENT IN ROUTINE CARE: PATHWAY FOR OLDER PATIENTS WITH ENDSTAGE RENAL DISEASE (POLDER)

C.Voorend¹, W. Bos^{1,2}, H. Joosten³, S. Mooijaart¹, C. Franssen⁴, N. Berkhout-Byrne¹, A. Diepenbroek⁴, M. van Buren^{1,5}, on behalf of the POLDER participating hospitals

¹LUMC, ²St. Antonius Ziekenhuis, ³MUMC, ⁴UMCG, ⁵Haga Ziekenhuis

P4. PERSPECTIVES AND EXPERIENCES OF PATIENTS AND HEALTHCARE PROFESSIONALS WITH GERIATRIC ASSESSMENT IN CKD: A QUALITATIVE STUDY

C.Voorend¹, N. Berkhout¹, Y. Meuleman², W. Bos^{1,3}, M. van Buren¹

¹Nephrology, LUMC; ²Clinical Epidemiology, LUMC; ³St. Antonius Ziekenhuis

P5. GLUCOCORTICOID PRECIPITATED ATTACK OF HYPOKALEMIC PERIODIC PARALYSIS COMPLICATED BY SEVERE BRADYARRHYTHMIA: A CASE REPORT

Arno Verleye², Yves De Greef¹, Koen De Boeck², Koen Bouman², Heidi Hoeben², Mark Helbert²

¹Cardiology Department/²Nephrology Department, ZNA Middelheim, Antwerpen, Belgium

P6. CKD DETECTION MIGHT BENEFIT FROM AN ETHNIC SPECIFIC SCREENING APPROACH – RESULTS FROM THE HEALTHY LIFE IN AN URBAN SETTING (HELIUS) STUDY

B.J.M.V. Huisman, B.J.H. van den Born, C.O. Agyemang, M.B. Snijder, L.Vogt

P7. ASSESSING THE COMPLEX CAUSES OF KIDNEY ALLOGRAFT LOSS: AN OBSERVATIONAL SINGLE CENTER STUDY

Elisabet Van Loon^{1,2}, Aleksandar Senev^{1,3}, Evelyne Lerut^{4,5}, Maarten Coemans^{1,6}, Jasper Callemeyn^{1,2}, Jan M. Van Keer¹, Liesbeth Daniëls³, Dirk Kuypers^{1,2}, Ben Sprangers^{2,7}, Marie-Paule Emonds^{1,3}, Maarten Naesens^{1,2}

¹Department of Microbiology, Immunology and Transplantation, KU Leuven, Leuven, Belgium; ²Department of Nephrology and Renal Transplantation, University Hospitals Leuven, Leuven, Belgium; ³Histocompatibility and Immunogenetic Laboratory, Red Cross-Flanders, Mechelen, Belgium; ⁴Department of Imaging and Pathology, KU Leuven, Leuven, Belgium;

⁵Department of Pathology, University Hospitals Leuven, Leuven, Belgium; ⁶Leuven Biostatistics and Statistical Bioinformatics Centre, Department of Public Health and Primary Care, KU Leuven, Leuven, Belgium; ⁷Department of Microbiology and Immunology, Laboratory of Molecular Immunology, Rega Institute, KU Leuven, Leuven, Belgium

Poster session B

Immunology in Nephrology

Location: TBA

Chairs: TBA

P8. IMPACT OF IMMUNOSUPPRESSIVE DRUGS ON ENDOTHELIAL BARRIER

Ootes D¹, Hordijk P¹, Vervloet MG², Van der Heijden JW², Bezu J¹, Nurmohamed SA²

¹Department of Physiology, and ²Department of Nephrology, Amsterdam UMC, Amsterdam, The Netherlands

P9. LAMINARIA JAPONICA FUCOIDAN PROTECTS GLOMERULAR ENDOTHELIAL HEPARAN SULFATE BY INHIBITION OF HEPARANASE-1 ACTIVITY AND REDUCING LEUKOCYTE ADHESION

Marissa Maciej-Hulme¹, Sylvia van der Weegen¹, Henk van Hamersvelt¹, Toin van Kuppervelt², Ton Rabelink³ and Johan van der Vlag¹

¹Department of Nephrology, Radboud Institute for Molecular Life Sciences, Radboud University Medical Center, Nijmegen, The Netherlands. ²Department of Biochemistry, Radboud Institute for Molecular Life Sciences, Radboud university medical center, Nijmegen, The Netherlands. ³The Eindhoven Laboratory for Vascular Medicine, Department of Internal Medicine, Division of Nephrology, Leiden University Medical Center, Leiden, The Netherlands

P10. MANNAN-BINDING LECTIN (MBL) INDUCES RENAL EPITHELIAL CELL CYTOTOXICITY VIA TO THE BASOLATERAL SIDE OF THE CELLS IN RENAL ISCHEMIA/REPERFUSION

K.B. Kolenbrander¹, N. Schlagwein¹, D.J. van Gijlswijk-Janssen¹, G.M.C. Janssen², P. van Veelen², S. Thiel³ and C. van Kooten¹

¹Division of Nephrology and Transplant Medicine, department of Medicine, Leiden University Medical Center, Leiden, The Netherlands; ²Center for Proteomics and Metabolomics, Leiden University Medical Center, Leiden, The Netherlands; ³Department of Biomedicine, Aarhus University, Aarhus, Denmark

P11. MINIMAL RESIDUAL AUTOIMMUNITY AFTER RITUXIMAB IN ANCA-ASSOCIATED VASCULITIS PATIENTS

Laura S. van Dam¹, Jelle M. Oskam¹, Sylvia W.A. Kamerling¹, Eline J. Arends¹, Magda Berkowska², Edwin O.W. Bredewold¹, Jacques J.M. van Dongen², Ton J. Rabelink¹, Cees van Kooten¹, Y.K. Onno Teng¹

¹Department of Internal Medicine, section Nephrology, LUMC Leiden, the Netherlands; ²Immunohematology and Blood transfusion, LUMC Leiden, the Netherlands

P12. CLASSICAL PATHWAY ACTIVATION IN A PATIENT WITH LIGHT CHAIN DEPOSITION DISEASE AND ANGIOEDEMA

Kathleen Claes¹, Michel Delforge², Hanna Peeters¹, Thea van der Velden³, Joop Goertz⁴, Bert van den Heuvel^{3,4,5}, Elena Volokhina^{3,4}

¹Departments of Nephrology and ²Hematology, University Hospitals Leuven, Belgium; ³Department of Pediatrics and ⁴Laboratory Medicine, Radboud university medical center, Nijmegen, The Netherlands; ⁵Department of Pediatric Nephrology and Department of Growth and Regeneration, University Hospitals Leuven, Belgium

P13. NATIONAL OBSERVATIONAL STUDY MONITORING THE RESTRICTIVE REGIMEN OF ECULIZUMAB THERAPY IN AHUS IN THE NETHERLANDS

Romy N. Bouwmeester¹, Caroline Duineveld¹, Kioa L. Wijnsma¹, Jack F. Wetzels¹, Nicole Van De Kar¹, CUREiHUS study group

1. Radboud University Medical Center, Nijmegen, Netherlands

Poster session C

Experimental and Translational Nephrology

Location: TBA

Chairs: TBA

P14. THE IMPACT OF DIETARY FIBER INTAKE ON GUT-DERIVED URAEMIC TOXINS IN PAEDIATRIC CKD

Amina El Amouri¹, Evelien Snauwaert¹, An Desloovere¹, Aurélie Foulon¹, Charlotte Vande Moortel¹, Griet Glorieux², Wim Van Biesen², Johan Vande Walle¹, * Sunny Eloit², * Ann Raes¹ *contributed equally to the study
Paediatric Nephrology and Rheumatology Section, Department of Paediatrics, Ghent University Hospital, Corneel Heymanslaan 10, 9000 Ghent, Belgium. Nephrology Section, Department of Internal Medicine and Paediatrics, Ghent University Hospital, Corneel Heymanslaan 10, 9000 Ghent, Belgium

P15. GENERATING A HUMAN APOL1 G2/G2 PODOCYTE CELL MODEL TO STUDYING APOL1-RELATED KIDNEY DISEASE MECHANISM

Ekulu PM^{1,2}, Arcolino FO¹, Elmonem MA¹, Nkoy AB², Adebayo OC¹, Aloni MN², Decuypere JP¹, Uzureau S³, Lecordier L³, Lepira FB⁴, Pays E³, Mekahli D¹, van den Heuvel LP¹, Levtschenko EN¹.

¹Department of Development and Regeneration, KU Leuven, Leuven, Belgium. ²Division of Nephrology, Department of Pediatrics, University of Kinshasa, Democratic Republic of Congo. ³Laboratory of Molecular Parasitology, IBMM, Université Libre de Bruxelles, Belgium. ⁴Division of Nephrology, Department of Internal Medicine, University of Kinshasa, Democratic Republic of Congo

P16. ONTOGENY AND CROSS SPECIES COMPARISON OF PATHWAYS INVOLVED IN DRUG ABSORPTION, DISTRIBUTION, METABOLISM, AND EXCRETION IN NEONATES (REVIEW): KIDNEY

Ruud Bueters¹, An Bael², Elke Gasthuys³, Connie Chen⁴, Michiel F Schreuder⁵, Kendall Frazier⁶

¹Janssen Research & Development, a division of Janssen Pharmaceutica NV, Division of Discovery, Product Development & Supply, Department of Nonclinical Safety; ²ZNA Queen Paola Children's Hospital, Department of Pediatric Nephrology, Belgium; ³Department of Paediatrics; Faculty of Medicine; Ghent University, Belgium; ⁴Health and Environmental Sciences Institute, Washington, DC, USA; ⁵Radboudumc Amalia Children's Hospital, Department of Pediatric Nephrology, The Netherlands; ⁶GlaxoSmithKline, Collegeville, PA, USA

P17. THE INVERSE RELATIONSHIP BETWEEN VITAMIN D AND KIDNEY FUNCTION

A.J. van Ballegooijen^{1,2}, M.G. Vervloet¹, J.W.J. Beulens², R.T. Gansevoort³, SJL Bakker³

¹Department of Nephrology, Amsterdam UMC, location VU. ²Department of Epidemiology & Biostatistics, Amsterdam UMC, location VU. ³Department of Nephrology, University Medical Center Groningen

P18. VITAMIN D, RESIDUAL RENAL FUNCTION AND BONE HEALTH IN END STAGE KIDNEY DISEASE

Vandewalle J¹, Bammens B¹, Claes K¹, Meijers B¹, Naesens M¹, Sprangers B¹, Kuypers D¹, and Evenepoel P¹

¹KU Leuven Department of Microbiology and Immunology, Laboratory of Nephrology; University Hospitals Leuven, Department of Nephrology, Leuven, Belgium

Poster session D

Tubulointerstitial Kidney Disease

Location: TBA

Chairs: TBA

P19. STUDYING THE LINK BETWEEN NEPHROPATHIC CYSTINOSIS AND TUBULAR ACIDOSIS

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P20. INVESTIGATING THE PATHOPHYSIOLOGY AND A POTENTIAL THERAPEUTIC APPROACH FOR CYSTINOSIS

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P21. CORRELATION BETWEEN POINT-OF-CARE SALIVARY POTASSIUM AND SERUM POTASSIUM: A PROOF OF PRINCIPLE STUDY

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P22. PANNEXIN-1 MEDIATES FLUID SHEAR STRESS-SENSITIVE PURINERGIC SIGNALING AND CYST GROWTH IN POLYCYSTIC KIDNEY DISEASE

Eric H.J. Verschuren¹, Juan P. Rigalli¹, Charlotte Castenmiller¹, Meike U. Rohrbach¹, René J.M. Bindels¹, Francisco J. Arjona¹, Dorien J.M. Peters² and Joost G.J. Hoenderop¹

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P23. NOT ALL CALCIPROTEINS ARE THE SAME: DIFFERENCES IN SIZE, NUMBER OF PARTICLES AND CALCIFICATION POTENCY

Zeper, L.W., ter Braake, A.D., de Baaij, J.H.F., Hoenderop, J.G.J.

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Poster session E

Dialysis

Location: TBA

Chairs: TBA

P24. THE EDITH KIDNEY PATIENT SURVEY ON MODALITY CHOICE AMONG MORE THAN 8000 EUROPEAN DIALYSIS AND TRANSPLANT PATIENTS

Rianne W. de Jong, MD¹, Vianda S. Stel, PhD¹, Raymond C. Vanholder, MD PhD³, Ziad A. Massy, MD PhD⁴, Kitty J. Jager, MD PhD¹

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P25. INTERDIALYTIC HOME MEASUREMENTS OF BLOOD PRESSURE AND VOLUME STATUS IN MAINTENANCE HAEMODIALYSIS PATIENTS

M.K. Schoutteten MD^{1,2,3}, C.J.P. Smeets PhD^{1,2,3}, W. Groenendaal PhD³, S. Lee PhD³, H. De Cannière MSc^{1,2}, J. Peeters MD⁴, B. De Moor MD⁵, C. Van Hoof PhD⁶, J.P. Kooman MD PhD⁷, P.M. Vandervoort MD^{1,2,8}

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P26. RISE OF PLASMA SODIUM INDUCES SYNDECAN-1 SHEDDING DURING HEMODIALYSIS

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P27. GLYCOSAMINOGLYCAN MODIFIED-DIALYSIS MEMBRANES IMPROVE BLOOD BIOCOMPATIBILITY IN VITRO

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P28. IS VASCULAR ACCESS ASSOCIATED WITH MORTALITY IN HEMODIALYSIS?

Dieter De Clerck¹, Florence Bonkain¹, Wilfried Cools², Patricia Van der Niepen¹

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P29. THE 2019 ERBP/VAS CLINICAL PRACTICE GUIDELINE ON PERI- AND POSTOPERATIVE CARE OF ARTERIOVENOUS FISTULAS AND GRAFTS FOR HAEMODIALYSIS IN ADULTS

Maurizio Gallieni¹, Markus Hollenbeck², Nicholas Inston³, Muguet Koobasi⁴, Jonathan Fox^{4,5}, Wim Van Biesen^{4,6} and Evi Nagler^{4,6}, for the ERBP Guideline Development Group on Vascular Access

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