

SCIENTIFIC PROGRAMME

- Plenary Lectures
- Lectures
- Symposia
- Free Communications sessions
- Industry Symposia
- ERA-EDTA Registry Report
- EBPG Anaemia: official presentation
- Kidney International Forum
- Iberoamerican Course in Nephrology
- Renal Pathology Course

PLENARY LECTURES

Sunday, May 16, 2004, 08.00 - 08.45

Fernando Valderrábano Memorial Lecture

The many problems of kidney transplantation.

Chair: **F. Locatelli**, Lecco, Italy and **F. Carrera**, Lisbon, Portugal

C. Ponticelli, Milan, Italy

Monday, May 17, 2004, 08.00 - 08.45

Renal phosphate handling in health and disease: a molecular view.

Chair: **V. Cambi**, Parma, Italy and **T. Drüeke**, Paris, France

H. Murer, Zurich, Switzerland

Tuesday, May 18, 2004, 08.00 - 08.45

The promise of BMP-7 therapy in chronic kidney disease.

Chair: **K. Olgaard**, Copenhagen, Denmark and **L. Guerra**, Porto, Portugal

K. Hruska, Saint Louis, USA

LECTURES

Sunday, May 16, 2004, 17.40 – 18.10

The effects of silent AV graft infection in EPO-resistant anaemia.

J.C. Ayus, Houston, USA

Sunday, May 16, 2004, 17.40 – 18.10

Genetic and molecular changes in the refractory secondary hyperparathyroidism.

J. Cannata-Andía, Oviedo, Spain

Sunday, May 16, 2004, 17.40 – 18.10

Arteriosclerosis in uraemic patients – what is new in pathogenesis and treatment in 2004.

A. Wiecek, Katowice, Poland

Sunday, May 16, 2004, 17.40 – 18.10

Sudden cardiac death in ESRD.

M. Valderrábano, Los Angeles, USA

Monday, May 17, 2004, 17.10 – 17.40

Linking pathogenesis of vasculitis to informed therapy.

C.O.S. Savage, Birmingham, United Kingdom

Monday, May 17, 2004, 17.10 – 17.40

New insights into the pathophysiology of glomerular diseases: from bedside to bench.

P. Ronco, Paris, France

Monday, May 17, 2004, 17.10 – 17.40

Post transplant bone disease.

K. Olgaard, Copenhagen, Denmark

Monday, May 17, 2004, 17.10 – 17.40

Renal anaemia management: What's new in 2004?

I.C. Macdougall, London, United Kingdom

SYMPOSIA

Sunday, May 16, 2004, 09.00 – 10.30

1. Calcimimetics. From basic science to clinical application: a new treatment of secondary hyperparathyroidism.

Chairman Emeritus: **Jack W. Coburn**, Professor of Medicine, UCLA, USA

Chair: **W.G. Goodman**, Los Angeles, USA and **J. Cannata-Andía**, Oviedo, Spain

- Regulation of parathyroid function by calcimimetic compounds

E. Nemeth, Toronto, Canada

- Clinical trials justifying use of a calcimimetic agent

J. Frazão, Porto, Portugal

- Calcimimetics: How and when we should use them

W.G. Goodman, Los Angeles, USA

Sunday, May 16, 2004, 09.00 – 10.30

2. Evidence based nephrology.

Chair: **A. MacLeod**, Aberdeen, United Kingdom and **A. Vaz Carneiro**, Lisbon, Portugal

- Evidence Based Nephrology: what it is and what it isn't

A. MacLeod, Aberdeen, United Kingdom

- Critical appraisal of a therapeutics article: basic rules

A. Vaz Carneiro, Lisbon, Portugal

- Evidence-based diagnosis

A. Knottnerus, Maastricht, the Netherlands

Sunday, May 16, 2004, 09.00 – 10.30

3. Growth factors in renal disease.

Chair: **P. Ronco**, Paris, France and **F.P. Schena**, Bari, Italy

- Connective tissue growth factors

R. Goldschmeding, Utrecht, the Netherlands

- Novel platelet derived growth factors: PDGF-CC and PDGF-DD

F. Eitner, Aachen, Germany

- VEGF, angiopoietins and intrarenal angiogenesis

P. Mathieson, Bristol, United Kingdom

Sunday, May 16, 2004, 13.30 – 15.00

4. Diabetes Revisited.

Chair: **E. Ritz**, Heidelberg, Germany and **R. Romero**, Barcelona, Spain

- Insights into the molecular mechanisms of diabetes induced organ damage

G. Wolf, Hamburg, Germany

- Cardiac changes in diabetes mellitus: new insights into their genesis and management

E. Standl, Munich, Germany

- Management of diabetic nephropathy - what is new?

E. Ritz, Heidelberg, Germany

Discussion: When to start dialysis in the diabetic patient

Sunday, May 16, 2004, 13.30 – 15.00

5. From guidelines to daily clinical care.

Chair: **F. Locatelli**, Lecco, Italy and **M. Prata**, Lisbon, Portugal

- Gambro database

J. Bosch, Washington, USA

- Fresenius Medical Care database

D. Marcelli, Bad Homburg, Germany

- Kuratorium database

C. Baldamus, Cologne, Germany.

Sunday, May 16, 2004, 13.30 – 15.00

6. Clinicopathological correlates in the nephrotic syndrome.

(European Kidney Research Association)

Chair: **J.J. Weening**, Amsterdam, the Netherlands and **L.H. Noel**, Paris, France

- Hereditary/congenital nephrotic syndrome

M.C. Gubler, Paris, France

- Podocyte biology – current insights

P. Mathieson, Bristol, United Kingdom

- Etiology and pathogenesis of minimal change nephrotic syndrome and focal segmental glomerulosclerosis

J.J. Weening, Amsterdam, the Netherlands

Sunday, May 16, 2004, 13.30 – 15.00

7. Renal Transplantation.

Chair: **C. Newstead**, Leeds, United Kingdom and **J.L. Reimão Pinto**, Lisbon, Portugal

- Use of altruistic live donors

K. Baboolal, Cardiff, United Kingdom

- Management of recipients of non-heart beating kidneys

D. Talbot, Newcastle-upon-Tyne, United Kingdom

- Fine-needle aspiration biopsy analysed by flow cytometry – a consistent and high performance diagnostic tool in kidney transplantation

G. Oliveira, Porto, Portugal

Sunday, May 16, 2004, 13.30 – 15.00

8. Tools for studying renal diseases: new lamps for old?

Chair: **J. Floege**, Aachen, Germany and **S. Sonkodi**, Szeged, Hungary

- Freely associating: should there be a moratorium on single polymorphism genetic association studies?

F. Luft, Berlin, Germany

- Knowledge based mining of microarray datasets

P. Doran, Dublin, Ireland

- Proteomics – Analysis of proteins in serum and urine by electrophoresis

H. Haller, Hanover, Germany

Sunday, May 16, 2004, 16.00 – 17.30

9. Clinical aspects of inherited disease: from gene to disease.

Chair: **G. Friedlander**, Paris, France and **E. de Almeida**, Lisbon, Portugal

- HNF1 alpha and beta, two transcription factors involved in renal development and function

L. Gresh, Paris, France

- Dent's disease: Novel insights into the role of chloride channels in the kidney

O. Devuyst, Brussels, Belgium

- Genetics of renal phosphate transport: clinical aspects and pathophysiology

D. Prié, Paris, France

Sunday, May 16, 2004, 16.00 – 17.30

10. Pathogenesis, biology and therapy of renal cancer.

Chair: **K.-U. Eckardt**, Erlangen, Germany and **S. Florquin**, Amsterdam, the Netherlands

- Pathological activation of the HIF pathway in renal cancer

M. Wiesener, Berlin, Germany

- Renal cancer genetics

E. Maher, Birmingham, United Kingdom

- Clinical management of VHL disease

H. Neumann, Freiburg, Germany

Sunday, May 16, 2004, 16.00 – 17.30

11. Practical approaches to acid-base and fluid-electrolyte disorders.

American Society of Nephrology

Chair: **R.G. Narins**, Washington, USA and **J.C. Ayus**, Houston, USA

- Acid-base case discussions

R.G. Narins, Washington, USA

- Fluid-electrolyte case discussions

J.C. Ayus, Houston, USA

Monday, May 17, 2004, 09.00 – 10.30

12. A fresh look at the pathogenesis of 2° hyperparathyroidism.

Chair: **K. Olgaard**, Copenhagen, Denmark and **A. Torres**, Tenerife, Spain

- Regulation of PTH gene expression

J. Silver, Jerusalem, Israel

- Pathogenesis of parathyroid gland hyperplasia

E. Slatopolsky, Saint Louis, USA

- Regulation of PTH secretion by phosphate

M. Rodriguez, Cordoba, Spain

Monday, May 17, 2004, 09.00 – 10.30

13. Glomerulonephritis – breaking new ground in 2004.

Chair: **J. Floege**, Aachen, Germany and **F.C. Neves**, Lisbon, Portugal

- Prognosis and treatment of Membranous Nephropathy

C. Ponticelli, Milan, Italy

- Focal necrotising glomerulonephritis – from pathogenesis to the clinic

A. Rees, Aberdeen, United Kingdom

- FSGS: recent developments in pathophysiology and treatment

A. Meyrier, Paris, France

Monday, May 17, 2004, 09.00 – 10.30

14. Molecular mechanisms of hypoxia sensing in the kidney.

Chair: **K.-U. Eckardt**, Erlangen, Germany

- Mechanisms of oxygen sensing

P. Maxwell, London, United Kingdom

- Hypoxia in acute and chronic renal disease

K.-U. Eckardt, Erlangen, Germany

- Role of hypoxia and angiogenesis in renal development

A. Woolf, London, United Kingdom

Monday, May 17, 2004, 09.00 – 10.30

15. Renal dopamine and hypertension.

Chair: **P. Soares da Silva**, Porto, Portugal and **M. Pestana**, Porto, Portugal

- Intrarenal dopamine: a key signal in the interactive regulation of sodium metabolism

A. Aperia, Stockholm, Sweden

- G protein-coupled kinase 4 regulation of dopamine receptors in hypertension

P.A. Jose, Washington, USA

- Edema, blood pressure and deficient renal dopamine availability

P. Soares da Silva, Porto, Portugal

Monday, May 17, 2004, 13.30 – 15.00

16. Practice patterns associated with better outcomes for haemodialysis patients: new results from the DOPPS.

Chair: **E.W. Young**, Ann Arbor, USA and **L. Piera**, Barcelona, Spain

- Introduction and goals: the DOPPS
- Drug use and risk of morbidity and mortality

E.W. Young, Ann Arbor, USA

- Indicators of mineral metabolism and outcomes

R.N. Greenwood, Stevenage, United Kingdom

- Can vascular access practices be modified to improve outcomes?

C. Combe, Bordeaux, France

- Conclusions: Modifiable practice patterns for better outcomes in haemodialysis patients

E.W. Young, Ann Arbor, USA

Monday, May 17, 2004, 13.30 – 15.00

17. Clinical Epidemiology in Nephrology.

Chair: **C. Zoccali**, Reggio Calabria, Italy and **C. Wanner**, Würzburg, Germany

- Observational studies

C. Wanner, Würzburg, Germany

- Prognostic studies in Nephrology: survival analysis and beyond

K. Jager, Amsterdam, the Netherlands

- Diagnostic studies in Nephrology: from design to analysis

C. Zoccali, Reggio Calabria, Italy

Monday, May 17, 2004, 13.30 – 15.00

18. Hypertension: What's new?

Chair: **M. Prata**, Lisbon, Portugal and **J.L. Rodicio**, Madrid, Spain

- Inflammatory factors in essential hypertension, renal failure and renal transplant

F. Luft, Berlin, Germany

- The importance of blood pressure control in non-diabetic and diabetic nephropathies

A.B. Ribeiro, São Paulo, Brazil

- Blood pressure control in the dialysis patient

M. Martinez-Maldonado, Ponce, Puerto Rico

Monday, May 17, 2004, 15.30 – 17.00

19. Uraemic Toxicity.

(European Uraemic Toxin Work Group)

Chair: **R. Vanholder**, Ghent, Belgium and **W.H. Hörl**, Vienna, Austria

- New insights in oxidative stress in uraemic patients

Z. Massy, Amiens, France

- Proteomics applied to explore new areas in uraemic toxicity

E. Weissinger, Hanover, Germany

- Uraemic toxin removal: future ways to go

R. Vanholder, Ghent, Belgium

Monday, May 17, 2004, 15.30 – 17.00

20. Henoch-Schoenlein Purpura Nephritis from childhood to adult age.

Chair: **R. Coppo**, Turin, Italy and **F. Coelho-Rosa**, Lisbon, Portugal

- Comparison of HSP nephritis in different ages from childhood to old age

R. Coppo, Turin, Italy

- The adult kidney after childhood HSP

M. Nuutinen, Oulu, Finland

- Therapeutical approaches

P. Niaudet, Paris, France

Tuesday, May 18, 2004, 09.00 – 10.30

21. New horizons in IgA Nephropathy?

(International IgA Nephropathy Network)

Chair: **J. Feehally**, Leicester, United Kingdom and **J.G. Silva**, Lisbon, Portugal

- Clinical, biological and pathological risk factors for progression in IgA nephropathy

F. Berthoux, Saint-Etienne, France

- Role of IgA glycosylation in the development and progression of IgA nephropathy

A. Amore, Turin, Italy

- Treatment options in IgA nephropathy

J. Feehally, Leicester, United Kingdom

Tuesday, May 18, 2004, 09.00 – 10.30

22. Current immunosuppression regimes after renal transplantation: the way forward.

Chair: **S. Schwartz Sorensen**, Copenhagen, Denmark and **D. Machado**, Lisbon, Portugal

- Long-term beneficial effects of Mycophenolate mofetil in renal transplant patients

J.M. Grinyo, Barcelona, Spain

- Long-term results using Rapamycin after renal transplantation

F.P. Schena, Bari, Italy

- Optimization of immunosuppression in critical recipients populations

U. Frei, Berlin, Germany

Tuesday, May 18, 2004, 09.00 – 10.30

23. Inflammation in haemodialysis: surveying the terrain.

Chair: **P. Aljama**, Cordoba, Spain and **I.C. Macdougall**, London, United Kingdom

- Cellular mechanisms of inflammation in haemodialysis

P. Aljama, Cordoba, Spain

- Clinical relevance and consequences of dialysis related inflammation

P. Stenvinkel, Stockholm, Sweden

- How to prevent and treat the inflammatory state in dialysis patients

C. Wanner, Würzburg, Germany

Tuesday, May 18, 2004, 09.00 – 10.30

24. Moving towards a more physiological dialysis: the relevance of time and frequency factors.

Chair: **A.L.M. de Francisco**, Santander, Spain and **J. Vinhas**, Setúbal, Portugal

- Is it possible to control arterial hypertension with conventional haemodialysis?

A.L.M. de Francisco, Santander, Spain

- The importance of time and frequency on dialysis morbidity and mortality

N. Lameire, Ghent, Belgium

- Home haemodialysis revisited

M.P. Kooistra, Utrecht, the Netherlands

Tuesday, May 18, 2004, 11.00 – 12.30

25. Hypertension and cardiovascular risk in nephrology: what's next?

Chair: **G. London**, Fleury-Merogis, France and **S. Mezzano**, Valdivia, Chile

- Barker-Brenner hypothesis of essential hypertension: coming of age?

K. Amann, Erlangen, Germany

- How to measure blood pressure and arterial function in patients with CRF

G. London, Fleury-Merogis, France

- Are biomarkers useful for risk stratification in patients with CRF?

F. Mallamaci, Reggio Calabria, Italy

Tuesday, May 18, 2004, 11.00 – 12.30

26. Long-term complications after renal transplantation.

Chair: **J.M. Morales**, Madrid, Spain and **A.M. Sarmento**, Porto, Portugal

- Management of cardiovascular risk factors

J.M. Campistol, Barcelona, Spain

- Management of patients with neoplasia

B. Watschinger, Vienna, Austria

- Management of hepatitis C virus infection

J.M. Morales, Madrid, Spain

Tuesday, May 18, 2004, 11.00 – 12.30

27. Quality assurance process to improve dialysis outcomes.

Chair: **B. Canaud**, Montpellier, France and **A. Ferreira**, Lisbon, Portugal

- Continuous quality improvement process in dialysis adequacy delivery: How to implement it in a dialysis facility

B. Canaud, Montpellier, France

- Blood volume control and blood pressure control in HD. How to use UF, Na modelling and biofeedback devices to optimise restoration of volemia and correction of blood pressure

A. Santoro, Bologna, Italy

- How the computer can help the clinician in achieving dialysis adequacy

J. Tattersall, Leeds, United Kingdom

Tuesday, May 18, 2004, 11.00 – 12.30

28. Water Metabolism.

Chair: **P. Gross**, Dresden, Germany and **N. Schor**, São Paulo, Brazil

- The roles of aquaporin-2 in water losing and water retention states of the kidney

S. Nielsen, Aarhus, Denmark

- The human V2 vasopressin receptor: the gene, the protein, the mutations and rescue strategies of mutant receptors

W. Rosenthal, Berlin, Germany

- The treatment of hyponatremia using oral vasopressin antagonists

P. Gross, Dresden, Germany

Sunday, May 16, 2004, 10.30 - 12.00

ERA-EDTA Registry Report.

Chair: **C. Zoccali**, Reggio Calabria, Italy and **F. Locatelli**, Lecco, Italy

- The challenges of the ERA-EDTA Registry

C. Zoccali, Reggio Calabria, Italy

- ERA-EDTA Registry Report 2004

K. Jager, Amsterdam, the Netherlands

- Co-morbidity and access to renal transplantation

V. Stel, Amsterdam, the Netherlands

- Co-morbidity and patient survival on RRT

J. van Manen, Amsterdam, the Netherlands

- Mortality in the general population and its relationship with RRT

P. van Dijk, Amsterdam, the Netherlands

- Paediatric RRT

J. Tizard, Bristol, United Kingdom

Sunday, May 16, 2004, 15.00 - 16.00

European Best Practice Guidelines

Anaemia.

Chair: **F. Locatelli**, Lecco, Italy and **F. Carrera**, Lisbon, Portugal

Guidelines in European Nephrology: from the beginning to 2004

J.S. Cameron, London, United Kingdom

Kidney Disease: Improving Global Outcomes

G. Eknoyan, Houston, USA

The European Best Practice Guidelines from 1999 to 2004: what is new?

F. Locatelli, Lecco, Italy

Monday, May 17, 2004, 15.30 - 17.40

Kidney International Forum

Vascular injury mediated by calcineurin inhibitors.

Chair: **J.T. Harrington**, Boston, USA

Principal discussant: **S. Lamas**, Madrid, Spain

IBEROAMERICAN COURSE

Saturday, May 15, 2004, 09.00 - 17.30

European Renal Association – European Dialysis and Transplant Association (ERA-EDTA) in collaboration with Sociedad Latino Americana de Nefrologia e Hipertension (SLANH)

Scientific Committee

F. Carrera, Lisbon, Portugal
J.M. Cruz, Valencia, Spain
S. Mezzano, Valdivia, Chile
J. Cannata-Andía, Oviedo, Spain

Programme

Inauguración

F. Carrera, Lisboa, Portugal

Moderadores: **A.L.M. De Francisco**, Santander, España y **J. Vinhas**, Setubal, Portugal

Avanços em Biologia Celular e Molecular na IRA

N. Schor, São Paulo, Brasil

Actualização em nefrotoxicidade por drogas

E. Burdmann, São Jose de Rio Preto, Brasil

Nefropatía diabética: una cuestión de inflamación?

J. Navarro, Tenerife, España

Moderadores: **M. Martinez-Maldonado**, Puerto Rico y **M. Riella**, Curitiba, Brasil

Síndrome nefrótico: nuevos conceptos sobre una antigua enfermedad

S. Mezzano, Valdivia, Chile

Hipertensión sistólica: reflexiones sobre un caso de Giovanni Battista Morgani (1769)

B. Rodríguez-Iturbe, Maracaibo, Venezuela

Prevención de la progresión de la lesión renal y del riesgo cardiovascular en la enfermedad renal crónica

J. Luño, Madrid, España

Moderadores: **J.C. Ayus**, Houston, USA y **A.M. Sarmiento**, Porto, Portugal

Prevención del desarrollo y progresión de la Nefropatía Diabética

R. Correa-Rotter, Ciudad México, México

DOPPS: una buena herramienta para mejorar el tratamiento con hemodiálisis

J.M. Cruz, Valencia, Spain

Substituição da função renal em doentes HIV+
M.J. Pais, Lisboa, Portugal

Alteraciones en el perfil lipídico: un importante factor de riesgo en el Trasplante Renal
I. Beneyto, España

Clausura
J. Cannata-Andía, Oviedo, Spain

RENAL PATHOLOGY COURSE

Saturday, May 15, 2004, 09.00 – 17.30

European Renal Association – European Dialysis and Transplant Association (ERA-EDTA) in collaboration with International Society of Nephrology (ISN) and Renal Pathology Society (RPS)

Scientific Committee

J.A. Bruijn, Leiden, the Netherlands
T. Cook, London, United Kingdom
F. Ferrario, Milan, Italy
J.J. Weening, Amsterdam, the Netherlands

Programme

Current dilemmas in diagnostic renal pathology: morphological features and case presentation

Chair: **J.A. Bruijn**, Leiden, the Netherlands and **J.J. Weening**, Amsterdam, the Netherlands

Focal Segmental Glomerulosclerosis

L.H. Noel, Paris, France

Membranoproliferative Glomerulonephritis

S. Florquin, Amsterdam, the Netherlands

ANCA – Associated Vasculitis

F. Ferrario, Milan, Italy

Lupus Nephritis

T. Cook, London, United Kingdom

Thrombotic Microangiopathy

A. Fogo, Nashville, USA

Renal Transplant Rejection

I. Bajema, Leiden, the Netherlands