

Paediatric
Kidney
Week



european
society for
paediatric
nephrology

**2nd IPNA-ESPN Junior
Master Class**

23-24 September 2024

**56th Annual Meeting of the
European Society
for Paediatric Nephrology**

24-27 September 2024

PRELIMINARY PROGRAM

Valencia, Spain

TUESDAY, 24 SEPTEMBER 2024



ESPN ROOM 2 | 14:00-15:30

PRE-CONGRESS COURSE 1 - CLINICAL APPROACH IN KIDNEY STONES (part I)

- 14:00 Learning objectives
- 14:10 Practical approach in children with kidney stones
- 14:25 Discussion
- 14:30 Born to be a rockstar: genetic risk factors for kidney stone disease
- 14:45 Discussion
- 14:50 Environmental factors and kidney stones
- 15:05 Discussion
- 15:10 Not staying a rockstar forever: new developments and controversies in the treatment of hypercalciuria
- 15:25 Discussion



ESPN ROOM 3 | 14:00-15:30

PRE-CONGRESS COURSE 2 - ACUTE KIDNEY INJURY (part I)

- 14:00 Learning objectives
- 14:10 Epidemiology, risk factors, pathophysiology and outcomes in pediatric AKI
- 14:25 Discussion
- 14:30 AKI after cardiac surgery
- 14:45 Discussion
- 14:50 Bench to bedside journey of AKI biomarkers: what can we use now?
- 15:05 Discussion
- 15:10 Fluid balance, fluid overload, indications for starting kidney replacement therapy
- 15:25 Discussion

TUESDAY, 24 SEPTEMBER 2024



ESPN ROOM 4 | 14:00-15:30

PRE-CONGRESS COURSE 3 - WHEN TO ORDER AND HOW TO READ GENETIC REPORT? (part I)

- 14:00 Learning objectives
- 14:10 Indications for genetic testing in nephrocalcinosis
- 14:25 Discussion
- 14:30 Indications for genetic testing in early onset lower urinary tract disorders
- 14:45 Discussion
- 14:50 Indications for genetic testing in hyperechogenic kidney
- 15:05 Discussion
- 15:10 What do they really mean? Nomenclature and interpretation of the variants
- 15:25 Discussion

EXHIBITION AREA | 15:30-15:50

Coffee break



ESPN ROOM 2 | 15:50-17:00

PRE-CONGRESS COURSE 1 - CLINICAL APPROACH IN KIDNEY STONES (part II)

- 15:50 Crashing rocks: urological approach to treat kidney stones
- 16:05 Discussion
- 16:10 Practical approach to renal colic: wait or act?
- 16:25 Discussion
- 16:30 What have we learnt?
- 16:40 Discussion

TUESDAY, 24 SEPTEMBER 2024



ESPN ROOM 3 | 15:50-17:00

PRE-CONGRESS COURSE 2 - ACUTE KIDNEY INJURY (part II)

- 15:50 Treatment of pediatric AKI: how to choose an appropriate method of KRT?
- 16:05 Discussion
- 16:10 Peritoneal dialysis in acute setting
- 16:25 Discussion
- 16:30 What have we learnt?
- 16:40 Discussion



ESPN ROOM 4 | 15:50-17:00

PRE-CONGRESS COURSE 3 - WHEN TO ORDER AND HOW TO READ GENETIC REPORT? (part II)

- 15:50 Assessment of the pathogenicity and penetrance of sequence variants
- 16:05 Discussion
- 16:10 Implications of a genetic result
- 16:25 Discussion
- 16:30 What have we learnt?
- 16:40 Discussion

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TUESDAY, 24 SEPTEMBER 2024

ESPN ROOM 1 | 17:10-18:30

OPENING CEREMONY AND PLENARY LECTURE 1

17:10 Welcome address by ESPN 2024 Congress President & Scientific Chair

17:15 Welcome address by ESPN President

17:20 Patient journey

17:35 Will genetics replace nephrology?

18:05 Discussion

CONGRESS VENUE | 18:30-19:00
WELCOME RECEPTION

TUESDAY, 24 SEPTEMBER 2024

WEDNESDAY, 25 SEPTEMBER 2024

ESPN ROOM 1 | 08:00-10:00

ESPN ACADEMY 1 - BLADDER DYSFUNCTION

- 08:00** Introduction
- 08:05** Dysfunctional voiding in children – practical approach
- 08:22** Discussion
- 08:27** The effect of urotherapy in nocturnal enuresis
- 08:44** Discussion
- 08:49** Mechanism of action and availability of therapies for bladder dysfunction in children
- 09:06** Discussion
- 09:11** Refractory enuresis in children. Planning a holistic care
- 09:28** Discussion
- 09:33** Long-term clinical consequences of LUTO on bladder function
- 09:50** Discussion
- 09:55** Take to work message

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WEDNESDAY, 25 SEPTEMBER 2024

ESPN ROOM 2 | 08:00-10:00

ESPN ACADEMY 2 - COMPLEMENT - RELATED DISORDERS

- 08:00 Introduction
- 08:05 Alternations of complement pathway in HUS
- 08:22 Discussion
- 08:27 C3 glomerulopathy
- 08:44 Discussion
- 08:49 Complement inhibition in Ig-A nephropathy
- 09:06 Discussion
- 09:11 New complement inhibitors
- 09:28 Discussion
- 09:33 Interactive clinical case discussion
- 09:50 Take to work message

WEDNESDAY, 25 SEPTEMBER 2024

WEDNESDAY, 25 SEPTEMBER 2024

ESPN ROOM 3 | 08:00-10:00

ESPN ACADEMY 3 - NEW THERAPIES FOR RARE DISEASES

- 08:00 Introduction
- 08:05 Hyperoxaluria
- 08:22 Discussion
- 08:27 Cystinosis
- 08:44 Discussion
- 08:49 Cystinuria
- 09:06 Discussion
- 09:11 X-linked hypophosphatemia
- 09:28 Discussion
- 09:33 Fabry disease
- 09:50 Discussion
- 09:55 Take to work message

ESPN ROOM 1 | 10:15-11:00

PLENARY LECTURE 2 AND BEST ABSTRACTS

- 10:15 Podocytopathies: from mechanistic insights to improved patient care
- 10:45 Discussion
- 10:50 Best abstracts

WEDNESDAY, 25 SEPTEMBER 2024

ESPN Room 2 | 11:20-12:50

WORKING GROUP MEETING 1 - GLOMERULAR DISEASES

- 11:20 Update on results of RCT's: Nephrovir, LEARNS, INTENT
- 11:32 Rituximab ESPN project
- 11:44 Update on IgAN guideline
- 11:56 ESPN-PNRC surveys: FSGS
- 12:08 Survey on congenital nephrotic syndrome
- 12:20 UK kidney ecosystem
- 12:32 Organizational issues of the working group

ESPN ROOM 3 | 11:20-12:50

WORKING GROUP MEETING 2 - DIALYSIS

- 11:20 Lowering dialysate sodium in children on maintenance HDF - a multicenter RCT
- 11:35 Comparison of pre- vs post-dilution HDF - data from a randomized crossover trial
- 11:50 Catheter related bacteremia: prevention and treatment
- 12:05 Chronic kidney disease after acute kidney injury: a follow-up study from the EurAKId Registry
- 12:20 Organizational Issues of the working group

ESPN ROOM 5 | 11:20-12:50

WORKING GROUP MEETING 3 - CAKUT

- 11:20 CAKUT: a fundamental perspective
- 11:35 CAKUT: a translational perspective
- 11:50 CAKUT: a clinical perspective
- 12:05 Ongoing trials in ESPN CAKUT working group
- 12:35 Organizational Issues of the working group

WEDNESDAY, 25 SEPTEMBER 2024



ESPN ROOM 6 | 11:20-12:50

PUBLIC SPEAKING WORKSHOP - LEARN BY DOING

11:20 How to deliver an efficient presentation?

EXHIBITION AREA | 12:50-13:50

Lunch

ESPN ROOM 2 | 13:50-15:20

WORKING GROUP MEETING 4 - INHERITED KIDNEY DISEASES

13:50 Welcome, update of working group activities

14:05 Successful multidisciplinary management of severe tuberous sclerosis with polycystic kidney disease: a case presentation of a 14-year-old boy

14:10 Novel approaches to cystic kidney disease in tuberous sclerosis complex

14:20 The role of copeptin as a biomarker of volume status in pediatric polyuric tubulopathies

14:30 Variants in the sodium-phosphate cotransporter genes - survey results

14:40 Characterisation, treatment, and outcome in primary proximal renal tubular acidosis

14:50 EUROCys - an ERKNet subregistry on cystinuria

15:00 Results of a survey on patients with HNF4a variants

15:10 Protocol and rationale for a randomized controlled SGLT2 inhibitor trial in pediatric and young adult populations with chronic kidney disease: DOUBLE PRO-TECT Alport

WEDNESDAY, 25 SEPTEMBER 2024

ESPN ROOM 3 | 13:50-15:20 WORKING GROUP MEETING 5 - CKD-MBD

- 13:50 Phosphate control in PD: innovative approaches
- 14:05 The importance of fibers in CKD
- 14:20 Pyrophosphate in CKD: what's the evidence
- 14:35 Magnesium in CKD-MBD
- 14:50 Organizational issues of the working group

ESPN ROOM 5 | 13:50-15:20 WORKING GROUP MEETING 6 - TRANSPLANTATION

- 13:50 Determinants of longitudinal growth in children post-transplant and the impact of metabolic acidosis
- 14:00 Managing children and adolescents with failing allografts
- 14:10 Barriers to paediatric kidney transplantation in Europe – EuPAKT study
- 14:20 Infection risk after pediatric kidney transplantation, its determinants, and effects on graft function - a retrospective CERTAIN analysis
- 14:30 Patterns and prognosis of repeat KTx in the European population
- 14:40 Organizational Issues of the working group



ESPN ROOM 6 | 13:50-15:20 WORK-LIFE BALANCE AND RESILIENCE WORKSHOP

WEDNESDAY, 25 SEPTEMBER 2024

ESPN ROOM 1 | 15:30-17:00

SESSION 1 - NEWS IN NEPHROTIC SYNDROME

- 15:30 Unfolding pathomechanism of steroid-sensitive nephrotic syndrome
- 15:45 Discussion
- 15:48 Treatment-related morbidity in nephrotic syndrome
- 16:03 Discussion
- 16:06 Long-term outcome of rituximab in steroid-dependant nephrotic syndrome
- 16:21 Discussion
- 16:24 5-minute pitches

ESPN ROOM 2 | 15:30-17:00

SESSION 2 - ADVANCES IN DIALYSIS

- 15:30 Expanded hemodialysis strategies in children
- 15:45 Discussion
- 15:48 Recognizing of fragility phenotype in children with dialysis
- 16:03 Discussion
- 16:06 Optimizing and preserving peritoneal ultrafiltration: modifiable and un-modifiable factors
- 16:21 Discussion
- 16:24 5-minute pitches

WEDNESDAY, 25 SEPTEMBER 2024

ESPN ROOM 3 | 15:30-17:00

SESSION 3 - PRECISION MEDICINE FOR MONOGENIC NEPHROPATHIES

- 15:30 Precision medicine in nephrology
- 15:45 Discussion
- 15:48 Challenges in genetic testing in ADPKD
- 16:03 Discussion
- 16:06 Gene therapy in genetic podocytopathies
- 16:21 Discussion
- 16:24 5-minute pitches

EXHIBITION AREA | 17:00-17:15

Coffee break

ESPN ROOM 1 | 17:15-18:00

PLENARY LECTURE 3 AND BEST ABSTRACTS

- 17:15 Revolutionising organoid technology to create organ-to-organ crosstalk
- 17:45 Discussion
- 17:48 Best abstracts

ESPN ROOM 1 | 18:00-19:30

ESPN GENERAL ASSEMBLY

THURSDAY, 26 SEPTEMBER 2024

ESPN ROOM 1 | 07:30-08:30

EARLY MORNING SESSION 1 - GRAND ROUNDS: NEPHROTIC SYNDROME

- 07:30 Clinical case presentation
- 07:55 Discussion
- 08:00 How to apply IPNA guidelines on SSNS and SRNS in clinical practice? When MMF and when CNI?
- 08:25 Discussion

ESPN ROOM 2 | 07:30-08:30

EARLY MORNING SESSION 2 - NUTRITION IN CKD

- 07:30 Clinical case presentation
- 07:55 Discussion
- 08:00 How to apply clinical practice recommendations from Renal Nutrition Taskforce?
- 08:25 Discussion



ESPN ROOM 3 | 07:30-08:30

EARLY MORNING SESSION 3 - GRAND ROUNDS: RICKETS AND NEPHROCALCINOSIS

- 07:30 Clinical case presentation
- 07:55 Discussion
- 08:00 How to apply guidelines on tubular diseases (XLH, Dent disease)
- 08:25 Discussion

THURSDAY, 26 SEPTEMBER 2024

ESPN ROOM 1 | 08:40-09:25 PLENARY LECTURE 4 AND BEST ABSTRACTS

- 08:40 Combination therapy to stop CKD progression
- 09:10 Discussion
- 09:15 Best abstracts

ESPN ROOM 1 | 09:35-11:20 SESSION 4 - HYPERTENSION & CARDIOVASCULAR RISKS

- 09:35 Cardiovascular disease in pediatric dialysis
- 09:50 Discussion
- 09:53 How to unmask pediatric hypertension?
- 10:08 Discussion
- 10:11 Physical activity and exercise training in children with CKD
- 10:26 Discussion
- 10:29 Best abstracts and 5-minute pitches

ESPN ROOM 2 | 09:35-11:20 SESSION 5 - FUTURE OF PEDIATRIC TRANSPLANTATION

- 09:35 The next revolution in HLA matching using molecular mismatching and machine learning
- 09:50 Discussion
- 09:53 Risk prediction model for delayed graft function (DGF) and the impact of DGF on rejection and longterm outcome in paediatric kidney transplant recipients
- 10:08 Discussion
- 10:11 Transplanting untransplantable: new drugs for modulating immune response before and after transplantation
- 10:26 Discussion
- 10:29 Best abstracts and 5-minute pitches

THURSDAY, 26 SEPTEMBER 2024

ESPN ROOM 3 | 09:35-11:20

SESSION 6 - RENAL TUBULOPATHIES: WHATS NEW?

- 09:35 The complexities of organ crosstalk in phosphate homeostasis
- 09:50 Discussion
- 09:53 Disorders of renal magnesium transport
- 10:08 Discussion
- 10:11 Unknown disorder of sulphate reabsorption
- 10:26 Discussion
- 10:29 Best abstracts and 5-minute pitches

EXHIBITION AREA | 11:20-11:40

Coffee break

ESPN ROOM 1 | 11:40-12:30

ORAL COMMUNICATIONS 1

ESPN ROOM 2 | 11:40-12:30

CONTROVERSY 1 - STEROIDS DURING UPPER RESPIRATORY TRACT INFECTIONS FOR PREVENTING RELAPSE OF IDIOPATHIC NEPHROTIC SYNDROME

- 11:40 Pro
- 11:55 Con
- 12:10 Discussion & Vote

THURSDAY, 26 SEPTEMBER 2024

ESPN ROOM 3 | 11:40-12:30

CONTROVERSY 2 - USE OF NSAID IN POLYURIC DISORDERS

11:40 Pro

11:55 Con

12:10 Discussion & Vote

ESPN ROOM 1 | 12:40-13:40

INDUSTRY LUNCH SYMPOSIUM 1

ESPN ROOM 2 | 12:40-13:40

INDUSTRY LUNCH SYMPOSIUM 2

ESPN ROOM 3 | 12:40-13:40

INDUSTRY LUNCH SYMPOSIUM 3

POSTER AREA | 13:40-14:40

GUIDED POSTER SESSION 1

THURSDAY, 26 SEPTEMBER 2024

ESPN ROOM 1 | 14:50-16:20

JOINT ESPN-EWOPA MEETING

PSYCHOLOGICAL ISSUES AND CHALLENGES IN CHILDREN WITH CKD

- 14:50 The psychological impact of CKD on parents: a theoretical overview and examples from clinical practice
- 15:05 Discussion
- 15:08 Update on adherence – understanding the challenge, supporting the patient
- 15:23 Discussion
- 15:26 Disparities in access to transplantation and transplantation outcome
- 15:41 Discussion
- 15:44 5-minute pitches

ESPN ROOM 2 | 14:50-16:20

SESSION 7 - UNMET NEEDS IN CHILDREN ON DIALYSIS

- 14:50 Pruritus, fatigue and chronic pain
- 15:05 Discussion
- 15:08 Management of constipation
- 15:23 Discussion
- 15:26 Novel treatments of anemia
- 15:41 Discussion
- 15:44 5-minute pitches

THURSDAY, 26 SEPTEMBER 2024

ESPN ROOM 3 | 14:50-16:20

SESSION 8 - KIDNEY DEVELOPMENT: BASIC AND NEWS

- 14:50 Update on kidney development
- 15:05 Discussion
- 15:08 Solitary functioning kidney: what's new?
- 15:23 Discussion
- 15:26 Does human nephrogenesis stop before or after birth?
- 15:41 Discussion
- 15:44 5-minute pitches

EXHIBITION AREA | 16:20-16:40

Coffee break

ESPN ROOM 1 | 16:40-17:30

MINI LECTURE 1

- 16:40 New aspects in Alport syndrome
- 17:00 Discussion
- 17:05 5-minute pitches

ESPN ROOM 2 | 16:40-17:30

MINI LECTURE 2

- 16:40 Bone disease in CKD
- 17:00 Discussion
- 17:05 5-minute pitches

THURSDAY, 26 SEPTEMBER 2024

ESPN ROOM 3 | 16:40-17:30
MINI LECTURE 3

- 16:40 Air pollution, kidney development and aging
- 16:55 Discussion
- 16:58 5-min pitches

ESPN ROOM 1 | 17:40-18:40
ORAL COMMUNICATIONS 2

ESPN ROOM 2 | 17:40-18:40
ORAL COMMUNICATIONS 3

ESPN ROOM 3 | 17:40-18:40
ORAL COMMUNICATIONS 4

FRIDAY, 27 SEPTEMBER 2024

ESPN ROOM 1 | 07:30-08:30

EARLY MORNING SESSION 4 - ASK THE EXPERT: CHALLENGING ELECTROLYTE DISORDERS

07:30 Discussion of different tubulopathies based on clinical cases

ESPN ROOM 2 | 07:30-08:30



EARLY MORNING SESSION 5 - ASK THE EXPERT: RECURRENCE OF PRIMARY DISEASE AFTER KIDNEY TRANSPLANTATION

07:30 SRNS/FSGS

07:45 C3G and IC-MPGN

08:00 aHUS

ESPN ROOM 3 | 07:30-08:30

EARLY MORNING SESSION 6 - MEET THE EDITOR: HOW TO GET YOUR PAPER PUBLISHED?

07:30 Why papers are accepted?

07:45 Discussion

07:48 Why papers are rejected?

08:03 Discussion

ESPN ROOM 1 | 08:40-09:25

PLENARY LECTURE 5 AND BEST ABSTRACTS

08:40 Genetic architecture of CAKUT

09:10 Discussion

09:15 Best abstracts

FRIDAY, 27 SEPTEMBER 2024

ESPN ROOM 1 | 09:35-11:20

SESSION 9 - GLOBAL PEDIATRIC NEPHROLOGY SESSION

- 09:35 Lessons learnt from global registries
- 09:50 Discussion
- 09:53 Meta-research and evidence based medicine in pediatric nephrology for the future
- 10:08 Discussion
- 10:11 How to tackle kidney disease in resource limited setting?
- 10:26 Discussion
- 10:29 Lessons learnt from PMRC consortium?
- 10:44 Discussion
- 10:47 5-min pitches

ESPN ROOM 2 | 09:35-11:20

SESSION 10 - UPDATE ON PEDIATRIC VASCULITIS

- 09:35 Therapy goals in paediatric lupus nephritis
- 09:50 Discussion
- 09:53 New treatment of IgA vasculitis
- 10:08 Discussion
- 10:11 Overlooked cause of severe hypertension - Takayasu vasculitis
- 10:26 Discussion

FRIDAY, 27 SEPTEMBER 2024

ESPN ROOM 3 | 09:35-11:20

SESSION 11 - UPDATE ON CYSTIC KIDNEY DISEASES

- 09:35 Novel therapeutic approaches in nephronophthisis
- 09:50 Discussion
- 09:53 Diagnosis and management of cystic disease in newborn
- 10:08 Discussion
- 10:11 Neurodevelopmental disorders in patients with HNF1B variants
- 10:26 Discussion
- 10:29 Best abstracts and 5-minute pitches

EXHIBITION AREA | 11:20-11:40

Coffee break

ESPN ROOM 1 | 11:40-12:40

SESSION 12 - ESPN-ERA REGISTRY SESSION

- 11:40 European paediatric CKD registries and the link with the ESPN/ERA Registry
- 11:55 Discussion
- 11:58 Trends in paediatric kidney transplantation in Europe
- 12:13 Discussion
- 12:16 Sex disparities in paediatric kidney replacement therapy
- 12:31 Discussion
- 12:36 Concluding remarks

FRIDAY, 27 SEPTEMBER 2024

ESPN ROOM 2 | 11:40-12:40 SESSION 13 - INNOVATION IN NEPHROLOGY

11:40 Gut-kidney crosstalk in childhood renal diseases



ESPN ROOM 3 | 11:40-12:40 SESSION 14 - BEST CLINICAL CASES

ESPN ROOM 1 | 12:40-13:40 INDUSTRY LUNCH SYMPOSIUM 4

ESPN ROOM 2 | 12:40-13:40 INDUSTRY LUNCH SYMPOSIUM 5

ESPN ROOM 3 | 12:40-13:40 INDUSTRY LUNCH SYMPOSIUM 6

POSTER AREA | 13:40-14:40 GUIDED POSTER SESSION 2

ESPN ROOM 1 | 14:45-16:00 SESSION 15 - BREAKTHROUGH CLINICAL TRIALS

14:45 ENVISION: sibeprenlimab in patients with IgA nephropathy

14:55 Discussion

15:00 Best abstracts

FRIDAY, 27 SEPTEMBER 2024

ESPN ROOM 2 | 14:45-16:00
ORAL COMMUNICATIONS 5

ESPN ROOM 3 | 14:45-16:00
ORAL COMMUNICATIONS 6

EXHIBITION AREA | 16:00-16:15
Coffee break



ESPN ROOM 1 | 16:15-17:35
FAMILY SESSION & CLOSING CEREMONY
A FAMILY AFFAIR

- 16:15** The wider impact of pediatric nephrology careers on individuals, relationships and family wellbeing
- 16:45** Discussion
- 16:50** Panel discussion & Recorded and life interviews & Tips from psychologists
- 17:05** Closing remarks



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