

# **Congenital anomalies of the kidney and urinary tract (CAKUT)**

**Timisoara, 2024 May 16-18**

## **Scientific Program**

### **Organizers:**

- *University of Medicine and Pharmacy-“Victor Babeş”, Timisoara*
- *Romanian Society of Pediatric Nephrology and Urology*
- *Romanian Society of Pediatric Radiology*
- *Romanian Association of Pediatric Minimal Invasive Surgery*
- *Center for Training and Experimental Surgery “Pius Branzeu”*

### **Thursday May 16**

**08:30 - 09:00** *Registration*

**09:00 - 09:30** Opening: Mihai Gafencu, Ramona Stroescu, Vlad David, Camellia Popescu, Michael Riccabona

**09:30 - 10:00** Prenatal diagnosis and management of CAKUT. Present and future (Bogdan Mureşan, Timisoara)

**10:00 - 10:30** Urinary tract dilatation classifications (Michael Riccabona, Graz)

**10:30 - 11:00** Congenital lower urinary tract malformations – radiologist point of view (Otilia Fufezan)

**11:00 - 11:30** *Coffee break*

**11:30 - 12:00** Basic theoretical consideration concerning contrast-enhanced voiding urosonography (Michael Riccabona, Graz)

**12:00 - 13:00** CAKUT – Pediatric nephrologist point of view

**12:00 - 12:20** The evolution and particularities of the children with malformative uropathy towards end stage renal disease (Dan Delean, Cornel Aldea, Andreea Bot, Bogdan Bulata Cluj Napoca)

**12:20 - 12:40** CAKUT and other systems: Clinical implications (Carmen Muntean, Târgu Mureş)

**12:40 - 13:00** Contrast induced nephropathy in CAKUT (Flavia Chişavu, Timișoara)

**13:00 - 14:00** CAKUT – Surgical Aspects

**13:00 - 13:20** CAKUT – an overview from the surgeons’ point of view (Vlad David. Timișoara)

**13:20 - 13:40** Posterior Urethral Valves (Mircea Andriescu, Bucureşti)

**13:40 - 14:00** Robotic approach in UPJO (Radu Iacob, Timișoara)

**14:00 - 15:00** *Lunch break*

**15:00 - 18:30** Workshop: „, Workshop: “contrast-enhanced voiding urosonography” Sonovue + clinical cases \*Coordinators: Michael Riccabona, Ramona Stroescu

\* Participants MUST have enough basic experience and skill in doing an ultrasound of the urinary tract in order to do ce-VUS

**15:00 - 18:00** Workshop: Interesting cases from young doctors, for young doctors.  
Coordinators: Flavia Chişavu, Ruxandra Şteflea

## Friday May 17

- 09:00 - 09:30** Genetic testing in CAKUT- to test or not to test (Adela Chirița-Emandi, Timișoara)
- 09.30 - 10:00** Upper tract / renal aspects in CAKUT: what is the role of radiology in dilated systems, and which method to use when? (Camelia Popescu, Timișoara)
- 10:00 - 10:30** Duplex & ectopic kidneys, cystic renal disease and dysplasia – meaningful use of radiology (Carmen Asavoiaie, Cluj Napoca)
- 10:30 - 11:00** CAKUT and UTI – what can radiology offer, when to do which kind of imaging? (Michael Riccabona, Graz)
- 11.00 - 11.20** *Coffee break*
- 11.20 - 13.00** CAKUT – Surgical Aspects
- 11:20 - 11:40** Congenital hydronephrosis – basic theoretical consideration (Rodica Mureșan, Cluj Napoca)
- 11.40 - 12.00** UPJO repair by retroperitoneal approach (Fabio Chiarenza, Vicenza)
- 12.00 - 12.20** Minimally invasive surgical management of refluxing and obstructive megaureter (Alin Stoica, Craiova)
- 12.20 - 12.40** The role of endourology in CAKUT (Vlad David, Timișoara)
- 12.40 - 13.00** CAKUT atypical situation – surgeon's role (Alin Stoica, Craiova; Vlad David, Timișoara)
- 13.00 - 14.30** *Lunch break*
- 14.30 - 16.15** Pediatric nephrology
- 14:30 - 14:50** Medical and surgical management of antenatal diagnosed hydronephrosis (Magdalena Starcea, Radu Russu, Iulia Ciongradi, Ioan Sîrbu, Iași)
- 14:50 - 15:10** CAKUT and UTI - what can us, the nephrologists do? (Cristina Stoica, Anca Elena Marin, Ovidiu Constantin Limoncu, George Claudiu Costea, București)
- 15:10 - 15:30** Monitoring patients with CAKUT- not too often and not too rare (Ramona Stroescu, Mihai Gafencu, Timișoara)
- 15:30 - 15:50** Renal lithiasis - complication of CAKUT (Magdalena Starcea, Iași)
- 15:50 - 16:10** MCDK management- from theory to clinical practice (George Claudiu Costea, Ovidiu Constantin Limoncu, Anca Elena Marin, Cristina Stoica, București)
- 16:10 - 16:30** *Coffee break*
- 16.30 - 18.30** Workshop: Basics in bladder catheterization and drainage  
Coordinators: Karin Hajaj, Cristina Gârjoabă  
Basics in endourology (cystoscopy, flexible ureteroscopy)  
Coordinators: Vlad David, Bogdan Ciornei  
Difficult case presentations- round table: nephrologist/radiologist/surgeon  
Coordinators: Michael Riccabona, Otilia Fufezan, Carmen Asavoiaie, Camelia Popescu, Vlad David, Ramona Stroescu, Mihai Gafencu

**Saturday May 18**

***Advanced Course for Radiology & Imaging of CAKUT***

- 08:30 - 09:00** *Registration*
- 09:00 - 09:30** Opening: Otilia Fufezan, Carmen Asavoiaie, Ramona Stroescu, Michael Riccabona
- 09:30 - 10:00** Antenatal Imagistics in CAKUT - Fetal US, and/or fetal MRI? (Dan Dumitraşcu-Biriş, Timișoara)
- 10:00 - 10:30** US for UGT-variations in CAKUT: ectopic or duplex kidneys, agenesis, suspected agenesis – typical findings and when does one need to proceed to VCUG/ ce-VUS/ MRI/ scintigraphy (Otilia Fufezan, Cluj Napoca)
- 10:30 - 11:10** US-imaging in congenital urinary tract dilatation (Michael Riccabona, Graz)
- 11.10 - 11.30** *Coffee break*
- 11:30 - 12:00** Imaging in PUV and other congenital lower urinary tract anomalies (Otilia Fufezan, Cluj Napoca)
- 12:00 - 12:30** Renal cystic disease: findings and what radiology can offer (Michael Riccabona, Graz)
- 12.30 - 14.00** *Lunch break*
- 14.00 - 14:30** Alternative imaging options in urinary tract dilatation: IVU, MRU, scintigraphy, VCUG – findings, indications and pitfalls / restrictions (Camelia Popescu, Timișoara)
- 14:30 - 15:00** Congenital genital malformations, as often associated with CAKUT – US (and other) findings (Carmen Asavoiaie, Cluj Napoca)
- 15:00 - 15:20** Pitfalls and restrictions when imaging the pediatric UGT in CAKUT queries (Michael Riccabona, Graz)
- 15:20 - 15:40** *Coffee break*
- 15:40 - 17:30** Case presentations: ce-VUS, US in CAKUT, MRI/MRU for CAKUT (Michael Riccabona, Otilia Fufezan, Carmen Asavoiaie, Camelia Popescu) 4 groups