

WG CAKUT/UTI/Bladder Dysfunction

2024 annual report

Number of members of the WG in 2024: 75

Board composition in 2024:

Chair: Julia Hoefele
Board members: Rik Westland, Alina Hilger, Demet Alaygut, Marcin Tkaczyk*, Ciro Corrado
Member of the YPNN: Rik Westland

Results of the vote in December for the replacement of vacant positions. Please indicate which board member is rotating off.

Newly elected board member/s (serving from January 1st, 2025):

Marcin Tkaczyk had to be replaced by Konstantinos Kamperis.

Brief description of the scope of the WG (may be repeated every year - max 100 words)

The ESPN Working Group CAKUT/UTI/Bladder Dysfunction was formed in 2013 and is dedicated to improve educational issues, clinical studies and research related to congenital malformations of the kidney and urinary tract, urinary tract infection and bladder dysfunction. Numerous experts, clinicians and researchers throughout Europe have joined this Working Group which is open to new members at any time.

There is close collaboration of this WG with the ESPN (e.g., other working groups like inherited renal disorders), the CAKUT and Ciliopathies WG of the European Reference Network for Rare Kidney Diseases (ERKNet), other scientific societies (e.g. IPNA, ERA-EDTA and ASPN) and patient support organizations.

WG activities during the year 2024 (including meetings of the WG - max 500 words)

A WG meeting was held on 25th September, 2024. The new ESPN rules were illustrated and the new activities of the WG were planned. Furthermore, the council had web meetings bi-monthly.

The current studies/registries of this WG are:

- APRIC Study: BP dipping in children with CAKUT
 - Silvio Maringhini

- EURECA-Registry: European Registry for Familial CAKUT Cases.
 - Julia Hofele, Stefanie Weber
- Uromodulin, urinary tract infections and renal scars
 - Ciro Corrado
- PRecocious biOMarkers oF Unilateral ureTero-pelvic jUncTion obstRuCtion in childrEn. The PRO-FUTURE project
 - Pierluigi Marzuillo
- VIGILANCE study: eValuatIng the proGnosis of chIldren with soLitAry fuNCtIOning kidnEy – a multicenter international collaboration
 - Sander Groen in 't Woud

Publications of the WG in 2024

Maringhini S, Alaygut D and Corrado C: Urinary Tract Infection in Children: An Up-To-Date Study. *Biomedicines* 12: 2582, 2024

Vendrig LM, Ten Hoor MAC, König BH, Lekkerkerker I, Renkema KY, Schreuder MF, van der Zanden LFM, van Eerde AM, Groen In 't Woud S, Mulder J, Westland R; ArtDECO consortium. Translational strategies to uncover the etiology of congenital anomalies of the kidney and urinary tract. *Pediatr Nephrol*, 40:685-699, 2025

Projects/plans for 2025 (max 300 words)

There will be a webinar on CAKUT on April 9th 2025. This webinar will be organized together with the World Kidney Academy. Both speakers, Rik Westland and Julia Hoefele, are from the WG CAKUT/UTI/Bladder Dysfunction of the ESPN. Additionally, there are two studies ongoing which are planned to be published soon: i) ESPN survey on urinary tract infections, and ii) guidelines on transplantation in CAKUT.