# Report of activities of ESPN Working Group

<table>
<thead>
<tr>
<th>Name of Working Group</th>
<th>CAKUT/UTI/BLADDER DISORDERS</th>
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</thead>
<tbody>
<tr>
<td>Year</td>
<td>2021</td>
</tr>
<tr>
<td>WG Coordinator</td>
<td>Silvio Maringhini</td>
</tr>
<tr>
<td>WG Board Members</td>
<td>Julia Hoefele, Velibor Tasic, Marcin Tkaczyk, Fatos Yalcinkaya</td>
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<tr>
<td>Number of WG Members</td>
<td>73</td>
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</tbody>
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## Research Activities

### A. Completed Studies (Title, coordinator, short content (max 1-2 sentences)):

**The PREDICT Trial**: Antibiotic Prophylaxis and REnal Damage In Congenital abnormalities of the kidney and urinary Tract (Giovanni Montini). The results will be published in the next months.

### B. Ongoing Studies (Title, coordinator, short content (max 1-2 sentences)):

**APRIC Study**: BP dipping in children with congenital anomalies of the kidney and urinary tract (Silvio Maringhini). Approved by the coordinating Ethical Committee, 15 Centers participating. Results are expected in three years.

**Renal tract malformations: from human genomics to novel therapies** (Adrian Woolf). Working on modelling HNF1B disease using pluripotent stem cell technology, and trying to find drugs that improve the phenotype of mutant HNF1B kidney organoids.

**UTIs caused by phenotypically ESBL-producing pathogens** (John Dotis).

**EURECA Registry**: European Registry for Familial CAKUT Cases. (Julia Hofele). Ethical Committee has approved the study.

### C. Planned Studies (Title, coordinator, short content (max 1-2 sentences)):

**Urinary microRNAs and Renal Scar in Acute Pyelonephritis** (Demet Alaygut): Investigate urinary microRNAs in urine of children with acute pyelonephritis in order to find some related to production of renal scars.

**Uromodulin, urinary tract infections and renal scars** (Ciro Corrado): To evaluate if some uromodulin alleles are associated with increased risk of UTI or renal damage. Aetiology of renal and urinary tract anomalies defines Diagnostic Efficacy and Clinical Outcome – study protocol of the ArtDECO study (Jaap Mulder).

## Guideline Projects (Title, coordinator)

**Consensus on "kidney dysplasia"** (in collaboration with ERKNet). Max Liebau

**European UTI guidelines** (Per Brandström, Silvio Maringhini, Giovanni Montini, Johan Van de Valle)
WG Meetings (Date – Place)


**Webinar and Meeting May 4th, 2021.** Lecture: Blood Pressure Control in Chronic Kidney Disease (Carmine Zoccali)


Publications

A. Published papers (bibliography):

- PMID: 34737334
- PMID: 33940108

B. Submitted papers:

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Presentations at conferences during the year

A. Oral presentations:

Digital Educational Platform for Pediatric Bladder Conditions (DEPPU)

B. Poster presentations:

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