Report of activities of ESPN Working Group

<table>
<thead>
<tr>
<th>Name of Working Group</th>
<th>CKD-MBD</th>
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<tbody>
<tr>
<td>Year</td>
<td>2020 - 2021</td>
</tr>
<tr>
<td>WG Coordinator</td>
<td>Rukshana Shroff</td>
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<tr>
<td>WG Board Members</td>
<td>Jaap Groothoff, Justine Bacchetta, Claus Schmitt, Stella Stabouli. Liaison with Transplant working group – Agnieszka Prytula.</td>
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<tr>
<td>Number of WG Members</td>
<td>31</td>
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**Research Activities**

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

1. **Active vitamin D is cardioprotective in experimental uraemia but not in children with CKD Stages 3-5.**
   Describes the impact of active vitamin D on left ventricular hypertrophy and FGF23/klotho system in renal failure.
   Joint project: ESPN CKD-MBD WG and 4C Study consortium.

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

- **Collaboration with CERTAIN registry-study on CKD-MBD after renal transplantation**. Co-ordinator: P Agnieszka. To analyse the evolution of hyperparathyroidism following renal transplantation; to identify the clinical and biochemical correlates of hyperparathyroidism. Joint project: ESPN CKD-MBD and Transplantation WGs and CERTAIN registry.

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

1. Mineral bone metabolism after paediatric renal transplantation - (coordinator Agnieszka Prytula) - Collaboration with Certain registry- study on CKD-MBD and the evolution of hyperparathyroidism after renal transplantation
   Awarded an ESPN grant of €10,000 in Sept 2020
2. GH treatment and CV outcomes in CKD children (coordinator Stella Stabouli)
GH and CV outcomes: a case-control study; Joint project: ESPN CKD-MBD WG and 4C Study

3. Cinacalcet use after transplantation : to develop an algorithm for use of cinacalcet post-transplant and address relevant safety issues (coordinator Justine Bacchetta)

4. Fractures in children with CKD4-5, on dialysis and after transplantation (coordinators Rukshana Shroff and Alexander Lalayiannis)
Joint project of ESPN CKD-MBD, dialysis and transplant WGs

Guideline Projects (Title, coordinator)

Completed and Published:
1. Bone evaluation in paediatric chronic kidney disease: clinical practice points from the European Society for Paediatric Nephrology CKD-MBD and Dialysis working groups and CKD-MBD working group of the ERA-EDTA
Coordinator: Sevcan Bakkaloglu SA.

2. Four guidelines published by the Pediatric Renal Nutrition Taskforce in 2020 – 2021 – please see publication list below.
Coordinator: Rukshana Shroff

Guideline started in 2020
Management of CKD-MBD in infants (coordinator J. Bacchetta)
Collaboration of CKD-MBD and Dialysis WGs and Pediatric Renal Nutrition Taskforce
All discussions via virtual meetings, starting March 2021 – first draft circulated for discussion.

Guideline starting in 2021
Diagnosis and management of cardiovascular disease in children with CKD, on dialysis and after transplantation (coordinators R. Shroff and S. Stabouli)
Collaboration of CKD-MBD, Dialysis and Transplant WGs

WG Meetings (Date – Place)

Four working group / board meeting held in 2020 – 2021.
All via zoom.
Minutes circulated to the group.
## Publications

### A. Published papers (bibliography):


Presentations at conferences during the year

A. Oral presentations:
1. Impact of active vitamin D on left ventricular hypertrophy and FGF23/klotho system in renal failure - Maren Leifheit-Nestler
   Presented at ERA-EDTA 2020

2. Calcium balance in children with CKD and on dialysis - Rukshana Shroff
   Presented at ERA-EDTA 2020 and ASN 2020

3. Bone evaluation in children with CKD and on dialysis – Sevcan Bakkaloglu
   Presented at ESPN CKD-MBD CME webinar – April 2021

CME webinar on CKD – 28 April 2021

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>13:00</td>
<td>At what eGFR should you start dialysis?</td>
<td>Evgenia Preka</td>
</tr>
<tr>
<td>13.20</td>
<td>Bone evaluation in CKD and dialysis patients</td>
<td>Sevcan Bakkaloglu</td>
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<tr>
<td>13.40</td>
<td>Q&amp;A session with both speakers</td>
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<tr>
<td>13.50</td>
<td>Break</td>
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<tr>
<td>14.00</td>
<td>Vitamin D or Cinacalcet in children on dialysis?</td>
<td>Claus Schmitt</td>
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<tr>
<td>14.20</td>
<td>Bone disease in children with rare inherited kidney diseases</td>
<td>Justine Bacchetta</td>
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<tr>
<td>14.40</td>
<td>Q&amp;A session with both speakers</td>
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<tr>
<td>14.50</td>
<td>Keynote lecture Neurocognitive dysfunction in children with CKD</td>
<td>Jaap Groothoff</td>
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<tr>
<td>15.15</td>
<td>Thanks and close</td>
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B. Poster presentations:

Sorry, details not available.