

# Report of the ESPN CKD-MBD Working Group 2019, ESPN Council Meeting Leuven

Coordinator: R Shroff; board members: J. Groothoff, J Bacchetta, S. Stabouli, CP Schmitt

Liaison with Transplant working group – A Prytula



## Guidelines and best practice recommendations since Sept 2019

### 1. Clinical practice recommendations for bone evaluation in pediatric CKD (coordinator: S. Bakkaloglu)

- Joint project: ESPN CKD-MBD WG and EUROD (Pieter Evenepoel)
- Accepted in *Nephrol Dial Transplant August 2020*

### 2. Cinacalcet use in pediatric dialysis (coordinator: J Bacchetta)

- Joint project: ESPN CKD-MBD WG and ERA-EDTA CKD and Dialysis WGs
- *Published in Nephrol Dial Transplant Jan 2020*

## Guideline to start in 2020

### 1. Management of CKD-MBD in infants (coordinator J. Bacchetta) Collaboration of CKD-MBD and Dialysis WGs

### 2. Nutrition Taskforce guidelines (coordinator R. Shroff; see next slide)

# Paediatric Renal Nutrition Taskforce

(coordinator R. Shroff)

Collaboration of CKD and dialysis WGs, 14 members from Europe and North America;  
7 nephrologists and 7 dietitians.

## Guidelines published:

### 1. Dietetic management of calcium-phosphate in CKD2-5D

published *December 2019*

### 2. Protein-energy management of children with CKD 2-5D

published *December 2019*

### 3. Delivery of the nutritional prescription (gastrostomy tube feeding)

published *June 2020*

### 4. Assessment of nutritional status – in press

### 5. Dietary management of potassium in children with CKD 2-5D – in press

All publications in Pediatric Nephrology as open access

## Ongoing:

- Management of obesity and metabolic syndrome in children with CKD
- Nutritional management of Acute Kidney Injury

## Clinical studies

### 1. Impact of active vitamin D on left ventricular hypertrophy and FGF23/klotho system in renal failure (coordinator M. Leifheit-Nestler)

- Joint project: ESPN CKD-MBD WG and 4C Study consortium; ESPN grant **2018.01**

Accepted in *Nephrol Dial Transplant*

#### **TREATMENT WITH ACTIVE VITAMIN D DOES NOT IMPROVE LEFT VENTRICULAR HYPERTROPHY BUT FURTHER INCREASES FGF23 AND ACCELERATES CKD PROGRESSION IN CHILDREN**

Maren Leifheit-Nestler, Anne Schoen, Jennifer Deppe, Aysun Karabay Bayazit, Łukasz Obrycki, Nur Canpolat, Ipek Kaplan Bulut, Karolis Azukaitis, Gabriele Stangl, Rouven Behnisch, Rukshana Shroff, Justine Bacchetta, Uwe Querfeld, Franz Schaefer, Dieter Haffner

*Nephrology Dialysis Transplantation*

### 2. Assessment of calcium balance in children with chronic kidney disease to optimise treatment strategies (*Cal-Bal study*, coordinator: R. Shroff)

- Jonit venture: ESPN CKD-MBD & Dialysis WGs; ESPN grant **2016.02** (€15,000)

Accepted for oral presentations: 'Stable calcium isotopes: a novel biomarker of bone mineralisation in children with chronic kidney disease' at:

1. UK Kidney Week – received a best abstract award
2. ASN

The paper is under preparation.

# ESPN grants submitted in 2020

## 1. GH treatment and CV outcomes in CKD children (coordinator: S. Stabouli)

- GH and CV outcomes: a case-control study; Joint project: ESPN CKD-MBD WG and 4C Study

## 2. Collaboration with Certain registry- study on CKD-MBD after renal transplantation (coordinator: A Prytula)

- To analyze the evolution of hyperparathyroidism following renal transplantation
- Joint project: ESPN CKD-MBD and transplantation WGs and CERTAIN registry

## Educational projects

### Phosphate Education Program (PEP) (coordinator: S. Bakkaloglu):

- Ongoing project. Delays due to COVID-19, but activities will resume soon.