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)
   • Joint 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.

Rukshana Shroff on behalf of the members of the ESPN CKD-MBD working group, Sept 2020