

# ESPN CKD-MBD Working Group report

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

February 2022

Coordinator: R Shroff

Board members: J. Groothoff, J. Bacchetta, S. Stabouli, C. Schmitt

Liaison with Transplant working group – A. Prytula

## Recent publications:

**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.**

Bakkaloglu SA, Bacchetta J, Lalayiannis AD, Leifheit-Nestler M, Stabouli S, Haarhaus M, Reusz G, Groothoff J, Schmitt CP, Evenepoel P, Shroff R, Haffner D; European Society for Paediatric Nephrology (ESPN) Chronic Kidney Disease Mineral and Bone Disorder (CKD-MBD) and Dialysis working groups and CKD-MBD working group of the European Renal Association–European Dialysis and Transplant Association (ERA-EDTA).

Nephrol Dial Transplant. 2021 Feb 20;36(3):413-425. doi: 10.1093/ndt/gfaa210.

**2. Active vitamin D is cardioprotective in experimental uraemia but not in children with CKD Stages 3-5.**

Schön A, Leifheit-Nestler M, Deppe J, Fischer DC, Bayazit AK, Obrycki L, Canpolat N, Bulut IK, Azukaitis K, Yilmaz A, Mir S, Yalcinkaya F, Soylemezoglu O, Melk A, Stangl GI, Behnisch R, Shroff R, Bacchetta J, Querfeld U, Schaefer F, Haffner D; 4C and Study Consortium and the ESPN CKD-MBD Working Group.

Nephrol Dial Transplant. 2021 Feb 20;36(3):442-451.

doi: 10.1093/ndt/gfaa227.

## Guidelines in progress

1. Management of CKD-MBD in infants (coordinator J. Bacchetta)

Collaboration of CKD-MBD and Dialysis WGs

2. Diagnosis and management of cardiovascular disease in CKD (coordinator R. Shroff & S. Stabouli). Will be divided into 2 or 3 guidelines.

Collaboration of CKD-MBD, Dialysis and Transplant WGs

## Clinical studies in progress:

**1. Assessment of calcium balance in children with chronic kidney disease to optimise treatment strategies** (coordinator: R. Shroff)

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

The paper is under revision with Kidney International

**2. Hyperparathyroidism is an independent risk factor for allograft dysfunction in pediatric kidney transplantation** (coordinator: A Prytula)

- To analyze the evolution of hyperparathyroidism following renal transplantation
- Joint project: ESPN CKD-MBD and transplantation WGs and CERTAIN registry
- Publication prepared and sent to all co-authors for comments. Will be submitted to cJASN.

**3. ESPN / ERKNet survey on the use of cinacalcet in children below 3 years of age** (coordinator J. Bacchetta). J

Joint venture: ESPN CKD-MBD & Dialysis WGs.

# Webinars

None planned so far, but with ESPN + IPNA this year and hopefully more 'live' meetings, do you want us to have a webinar too?

- Please advice, and I will be happy to arrange it.

# Paediatric Renal Nutrition Taskforce

(coordinator R. Shroff)

Collaboration of CKD and dialysis WGs, 14 members from Europe and North America; 7 nephrologists (5 are from Europe / all ESPN members) and 7 dietitians.

## Guidelines and Webinar Series - Topics

Clinical Practice Recommendations	Publication		Date of webinar
Assessment of nutritional status - kidney diseases	Online: (open access)	DOI: 10.1007/s00467-020-04852-5	23 <sup>rd</sup> Feb 2021 – recording on <a href="http://www.vitaflo-via.com">www.vitaflo-via.com</a>
Energy and protein requirements - CKD2-5D	Online: (open access)	DOI: 10.1007/s00467-019-04426-0	14 <sup>th</sup> April 2021 – recording on <a href="http://www.vitaflo-via.com">www.vitaflo-via.com</a>
Dietary management of calcium and phosphate - CKD2-5D	Online: (open access)	DOI: 10.1007/s00467-019-04370-z	11 <sup>th</sup> June 2021 – recording on <a href="http://www.vitaflo-via.com">www.vitaflo-via.com</a>
Dietary management of potassium - CKD2-5D	Online: (open access)	DOI: 10.1007/s00467-021-04923-1	13 <sup>th</sup> July 2021 – recording on <a href="http://www.vitaflo-via.com">www.vitaflo-via.com</a>
Delivery of a nutritional prescription by enteral tube feeding - CKD2-5D	Online: (open access)	DOI: 10.1007/s00467-020-04623-2	19 <sup>th</sup> October 2021 – recording on <a href="http://www.VitaFlo-via.com">www.VitaFlo-via.com</a>
Obesity and metabolic syndrome - CKD2-5D and on dialysis	Online: (open access)	DOI: 10.1007/s00467-021-05148-y	24 <sup>th</sup> February 2022 – recording on <a href="http://www.vitaflo-via.com">www.vitaflo-via.com</a>

<https://www.espn-online.org/nutrition-taskforce/>

# Paediatric Renal Nutrition Taskforce - Ongoing activities:

## I. Guidelines under preparation:

1. Nutritional management in AKI
2. Vitamins, minerals and trace elements
3. Dietary fibre

## II. Research grant:

### *Topic:*

**Funding:** ESPN research grant (€15,000; awarded to Dr Evelien Snauweart)  
+ Vitaflo Research funding £20,000 + applied to Kidney Research UK (outcomes will be announced next month)

## III. Producing resources for Health Care Providers and for children and families

## IV. Dissemination activities:

- regular webinars for each guideline
- Full day CME event at ESPN 2022 (funded by Vitaflo)
- Presentation at the Annual Dialysis Conference
- Working with dietitians and doctors in the following regions to adapt all our information sheets to regional dietary practices (including translation into local languages) – Middle East, Turkey, India (& neighboring countries)