

## ESPN Report

### Publications 2019-2021

1. F. Eibensteiner et al. Rapid response in the COVID-19 pandemic: a Delphi study from the European Pediatric Dialysis Working Group *Pediatr Nephrol.* 2020 Sep;35(9):1669-1678. doi: 10.1007/s00467-020-04584-6. Epub 2020 May 17.
2. F. Eibensteiner et al. Countermeasures against COVID-19: how to navigate medical practice through a nascent, evolving evidence base - a European multicentre mixed methods study *BMJ Open* 2021 Feb 17;11(2):e043015. doi: 10.1136/bmjopen-2020-043015.
3. L. Schmitz<sup>1</sup>, P. Hörmann<sup>2</sup>, B. Trutnau<sup>2</sup>, A. Jankauskiene<sup>3</sup>, A. Zaloszcyc<sup>4</sup>, A. Edefonti<sup>5</sup>, C. P. Schmitt<sup>6</sup>, G. Klaus<sup>1,2,\*</sup> on behalf of the European Pediatric Dialysis Working Group (EPDWG) Enteral Ca-Intake may be low and affects Serum-PTH-levels in pre-school Children with chronic kidney disease. Accepted for publication in *Frontiers in pediatrics*.
4. Yeşim Özdemir Atikel, Sevcan A Bakkaloğlu, Fabio Paglialonga, Constantinos J Stefanidis, Varvara Askiti, Enrico Vidal, Gema Ariceta, Engin Melek, Enrico Verina, Nikoleta Printza, Karel Vondrak, Aleksandra Zurowska, Ilona Zagozdzon, Mesiha Ekim, Elif Nursel Özmert, Stephanie Dufek, Augustina Jankauskiene, Claus Peter Schmitt, Eszter Levai, Johan Vande Walle, Nur Canpolat, Tuula Holtta, Michel Fischbach, Ariane Zaloszcyc, Guenter Klaus, Christoph Aufricht, Rukshana Shroff, Alberto Edefonti. Influenza and pneumococcus vaccination rates in pediatric dialysis patients in Europe: Recommendations vs reality A European Pediatric Dialysis Working Group and European Society for Pediatric Nephrology Dialysis Working Group Study. *Turk J Med Sci.* 2021 Feb 4 doi: 10.3906/sag-2012-26. Online ahead of print.
5. Schmitz L, Hoermann P, Trutnau B, Jankauskiene A, Zaloszcyc A, Edefonti AC, Schmitt CP, **Klaus G.** *Front Pediatr.* 2021 Jul 20;9:666101. doi: 10.3389/fped.2021.666101. eCollection 2021. [Enteral Ca-Intake May Be Low and Affects Serum-PTH-Levels in Pre-school Children With Chronic Kidney Disease.](#)

### Studies update

1. Pre vs post dilution HDF study ( ESPN grant). This project is across 4 centres: London, Istanbul, Heidelberg and Lyon. The study has started in London and Istanbul - 10 children recruited in total.
2. Publications from the HDF study (3H): Bone disease in HD & HDF - accepted for publication in *Kidney International Reports*
3. Nutrition in HD & HDF - paper is being prepared (with Milano team)
  - a. Proteomic studies in HD & HDF - statistical analysis ongoing

4. Guideline on 'Prevention and management in cardiovascular disease in children with CKD, on dialysis and after transplantation'. Nominations of 3-4 people from the dialysis WG to participate (overlap between the CKD & Dialysis WG members, so many are participating already). Three people from the Transplant WG have opted to participate.
5. Work from the Paediatric Renal Nutrition Taskforce - 6 guidelines produced over the past 3 years.
6. European survey on hospitalisation in pediatric dialysis units, Study data are huge and the results very promising. A first article has been prepared and sent to the Authors a couple of weeks ago for comments.
7. Calcium intake in children with CKD. The study has been accepted for publication in Frontiers in Pediatrics., accepted Schmitz L, Hoermann P, Trutnau B, Jankauskiene A, Zalozyc A, Edefonti AC, Schmitt CP, **Klaus G.** *Front Pediatr.* 2021 Jul 20;9:666101. doi: 10.3389/fped.2021.666101. eCollection 2021. [Enteral Ca-Intake May Be Low and Affects Serum-PTH-Levels in Pre-school Children With Chronic Kidney Disease.](#)
8. Extra-corporeal modalities of desensitization of hyperimmunized children waiting for renal transplantation . Following the decision of sending the protocol to the ESPN Dialysis WG and to the ESPN Transplantation Working Group, a sufficient adhesion of participating centers was not achieved and the decision to interrupt the study was taken. **F. Paglialonga**
9. Sodium intake in children on extra-corporeal dialysis (F. Paglialonga): The results in progress study are presented:

### **New study proposals**

1. Audit & updating the vitamin D guideline
2. Blood pressure and ABPM in patients on Dialysis (**B. Ranchin**).
3. PD results in term and pre-term infants on dialysis since birth; a change in UF capacity within the first 2-3 months of life (**G. Klaus**). Interesting data on the changes in peritoneal membrane function in the first period of life are discussed, including the role of albumin and glucose.
4. Uraemic toxin study at initiation of dialysis (**J. Vande Walle, E. Snauwaert**). Delayed by Covid: will be reinitiated in next month.
5. Targeted Training: Training Needs regarding Competencies in Pediatric Nephrology for Tertiary Care Pediatricians of Non-nephrology Specialities (**C. Aufricht**). A new methodology to identify training needs of Pediatricians was illustrated and recognized as an important tool for the educational activities of the EPDWG and every single unit.

### **Revision of EPDWG guidelines and new guidelines**

1. Initiation of dialysis.
2. White paper on chronic HD and the need of specific devices for pediatric dialysis for increasing awareness in dialysis companies. Coordinators should be chosen not only among European (Vande Walle), but also among American (Warady, Goldstein?) and

Japanese leaders. Candidates to the steering committee from our group could be Ranchin and Paglialonga.

- A questionnaire is recommended as a first step.
3. White paper on AKI. Existing guidelines are old and biased by provenance (USA) and origin (ICU, NICU). Opportunities and pitfalls of HD and PD vs. CRRT should be delineated. Furthermore, new equipment is available.
  4. Anemia management guidelines. S. Bakkaloglu.
  5. .Task force on Hypertension in children on dialysis
  6. Standard Operating Procedures was presented by Snauwaert. International consensus on dialysis prescription and routine follow up of children on dialysis is lacking, which limits the development of devices specific to pediatric dialysis by companies.
  7. Guideline on anti-coagulation (Snauwaert)