

Report of the activities of the ESPN DIALYSIS WG in 2017

Group composition

The number of the Group members has progressively increased and reached 40 in December 2017, including 1 Coordinator, 4 Board members and 3 Liaisons. The list of all members is reported in the ESPN website.

Meetings of the Group: Helsinki, 9th of June 2017
Glasgow, 9th of September 2017

Educational activities:

Dialysis Symposium, Helsinki 9th of June 2017(T. Holtta as organizing person).

Dialysis Master Class, Glasgow 6th to 9th of September 2017, 50th Anniversary Congress of the ESPN (R. Shroff as organizing person).

Research activities:

1. In collaboration with the ESPN/ERA-EDTA Registry:

- Time of initiation of dialysis and outcome in children in Europe (S. Bakkaloglu, C.Stefanidis): preliminary data were presented by dr E. Preka on behalf of the Registry during the Glasgow meeting.

2. Other research activities:

Articles published or near to publication

- "Vaccination practices in pediatric dialysis patients across Europe. A EPDWG and ESPNDWG study "(S. Bakkaloglu as main author): published online in Nephron DOI 1159/000485398.

- "Management of children with Congenital Nephrotic Syndrome: challenging treatment paradigms" (R.Shroff, T.Holtta as main authors): the ESPN Dialysis WG and EPDWG centers collaborated in data collection and the article, submitted to NDT, is under revision.

- A modified version of the article "Considering Renal Replacement Therapy in Children with Severe Mental Disability: Results of a Worldwide Survey on The Opinion of Caregivers" by L. Willem and the group of Leuven, with the collaboration of the ESPN Dialysis WG centers, is near to resubmission.

Ongoing studies

- Study on extra-corporeal modalities of desensitization of hyperimmunised children waiting for renal transplantation (F. Paglialonga, C. Schmitt): a preliminary questionnaire submitted to the ESPNDWG and EPDWG centers demonstrated the feasibility of the study. The collaboration with the ESPN Transplantation WG (B. Toenshoff), S. Marks (GOSH, London) and S. Caner (Heidelberg) will help in finalizing the study protocol and forms in 2018.

- Hospitalization in children on dialysis in European pediatric nephrology centers: an EPDWG/ESPSDWG report (S. Bakkaloglu): the final version of the prospective study protocol was sent to the ESPN Dialysis WG and EPDWG members in December 2017 and data collection will start in 2018.

- A study of “Assessing calcium balance in children with CKD to optimize treatment strategies”, proposed by R. Shroff and sponsored by an ESPN grant, is going on in five of the ESPN Dialysis WG units.

New Study proposals

A new study was proposed in the Helsinki meeting:

- Pseudo-tumor cerebri in pediatric dialysis patients (C.Schmitt, B. Utsch)

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Three study proposals were presented in the Glasgow meeting:

1. Sleep disorders in children on dialysis (N. Printza)
2. Fractures in children with CKD (R. Shroff)
3. Refugee/immigrant pediatric patients on dialysis in Europe (L. Sartz)

Published Guidelines

Two Guidelines, one on native, one on active Vitamin D use in CKD and dialysis (in collaboration with the ESPN CKD-MBD group) were published in the journal NDT (R. Shroff and C. Schmitt as main authors):

-Clinical Practice Recommendations for treatment with Active Vitamin D analogues in children with CKD stages 2-5 and on dialysis

<http://www.espn-online.org/images/ClinicalPracticeRecommendationsforACTIVEvitaminD-ESPN2017a.pdf>

-Clinical Practice Recommendations for native Vitamin D therapy in children with CKD stages 2- and on dialysis.

<http://www.espn-online.org/images/ClinicalPracticeRecommendationsforNATIVEvitaminD-ESPN2017.pdf>

Guidelines under development

- The Guideline on rhGH treatment in CKD and dialysis is under development, coordinated by D.Haffner with the collaboration of members of the ESPN CKD-MBD, Transplantation and Dialysis WGs.

- Clinical practice guidelines on vascular access for hemodialysis (C. Stefanidis and R. Shroff). An outline of the guideline has been developed and a guideline working group appointed.

Synergies

1. Synergy between the ESPN Dialysis WG and the European Pediatric Dialysis Working Group (EPDWG): the studies of vaccination policies and of management of Congenital Nephrotic Syndrome have been concluded; two collaborative studies are in progress: the

survey on hospitalization policies around Europe and that on desensitization of hyperimmunised children waiting for renal transplantation.

2. Collaboration between the ESPN Dialysis WG and the ESPN-ERA EDTA Registry:” Time to initiation of dialysis and outcome”. C. Stefanidis (in the Board of the Scientific Committee of the Registry and of the ESPN Dialysis WG) and E. Verrina (in the Board of the ESPN Dialysis WG) received the mandate to interact with M. Bonthuis for the future projects.

3. The collaboration between the ESPN Dialysis WG and the ESPN CKD-MBD WG has produced two well published guidelines on Vitamin D treatment. The synergy with the ESPN Transplantation WG was started, as regards the guideline on rhGH treatment in CKD and the desensitization procedures in children on dialysis waiting for renal transplantation.

Financial Report

1776.96 Euros of the 2017 budget of 2000 Euros have been spent to cover the expenses of the joint meetings with the CKD-MBD for GH guidelines in Heidelberg and the meetings in Athens and Glasgow for Vascular access guidelines. The remnant part of the 2000 Euros budget and 451.89 Euros more were utilized for publication expenses by S. Bakkaloglu. Therefore, the total expenses of the ESPN Dialysis in 2017 amount to 2451.89 Euros.

Accomplishment of ESPN Regulations

Replacement of one member of the Board of the Dialysis WG has taken place at the end of 2017: S. Bakkaloglu was substituted by C.Schmitt. S. Bakkaloglu will act as liaison member for the Dialysis WG in the ESPN council.

Alberto Edefonti

ESPN Dialysis Working Group Chair

