



Report of the ESPN Working Group “Renal Transplantation”

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Working Group Activity description:

1. CME-specific activities:

- a. Designation of Luca Dello Strologo as CME Education officer for the ESPN Working Group “Transplantation”
- b. Organization and chair of the symposium on “Challenges in Pediatric Transplantation” during the 17th Congress of the International Pediatric Nephrology Association in Iguacu, Brazil, September 20-24, 2016
- c. 9th Congress of the International Pediatric Transplant Association (IPTA) in Barcelona, May 27-30. 2016: Chair of the Scientific Advisory Committee Kidney. Various invited lectures of ESPN and/or IPNA members.
- d. ESPN Congress Glasgow 2017. Organization of the symposium "The past, present and future of paediatric transplantation working group"

2. Develop new studies in specific areas: Published manuscripts

- a. Effect of everolimus on longitudinal growth. *Heiko Billing, Burkhard Tönshoff, Lars Pape; Transplant International 2013, 26: 903-9*
- b. Integrating data from multiple sources for data completeness in a web-based registry for pediatric renal transplantation--the CERTAIN Registry. Köster L, Krupka K, Höcker B, Rahmel A, Samuel U, Zanen W, Opelz G, Süsal C, Döhler B, Plotnicki L, Kohl CD, Knaup P, Tönshoff B. *Stud Health Technol Inform. 2015;216:1049*
- c. Epidemiology of CMV infections and the effect of antiviral chemoprophylaxis *Britta Höcker, Burkhard Tönshoff and members of the CERTAIN Registry Transplantation 2016 100:862-70*
- d. Efficacy and Safety of an Everolimus- vs. a Mycophenolate Mofetil-Based Regimen in Pediatric Renal Transplant Recipients *Lars Pape, Lena Brunkhorst, Britta Höcker, Kai Krupka, Burkhard Tönshoff and members of the CERTAIN Registry PLoS One. 2015 Sep 25;10(9):e0135439*
- e. Perception, diagnosis and management of BK polyomavirus replication and disease in paediatric kidney transplant recipients in Europe *Pape L, Tönshoff B, Hirsch HH; Members of the Working Group ‘Transplantation’ of the European Society for Paediatric Nephrology Nephrol Dial Transplant. 2016 May;31(5):842-7.*

- f. Impact of Everolimus and Low-dose Ciclosporin on Cytomegalovirus Replication and Disease in Pediatric Renal Transplantation *Britta Höcker, Lars Pape, Burkhard Tönshoff and members of the CERTAIN Registry Am J Transplant. 2016 16:921-9*

3. Develop new studies in specific areas: Manuscripts submitted or in preparation

- a. Dyslipidemia after pediatric renal transplantation – the impact of immunosuppressive regimens *Sandra Habbig, Lutz Weber and members of the CERTAIN Research Network*
- b. Vaccination and Immunization Status in European Paediatric Renal Transplant Recipients. *Britta Höcker, Burkhard Tönshoff and members of the CERTAIN Registry*

4. Develop new studies in specific areas: Ongoing

(detailed information on these on-going projects is available on the CERTAIN website www.certain-registry.eu in the document area „Analyses“)

- a. Immune response of pediatric renal transplant recipients challenged by sensitization, vaccination or non-adherence: Cross-sectional and prospective analyses of the international CERTAIN Registry Cohort. *Lars Pape, Anette Melk, Burkhard Tönshoff and members of the CERTAIN Research Network*
- b. Arterial hypertension after renal transplantation – triggers, treatment and sequelae. *Anette Melk, Elke Wühl, Ali Duzova and members of the CERTAIN Research Network*
- c. Antibody-mediated Rejection in European Paediatric Renal Transplant Recipients: Incidence, Risk factors and Outcome. *Alexander Fichtner, Caner Süsal, Jan Becker, Britta Höcker, Lars Pape, Anette Melk, Stephen Marks, Luca dello Strologo, Kai Krupka, Lennart Köster, Members of the CERTAIN Research Network, Burkhard Tönshoff*
- d. BK-Polyomavirus (BKPyV) Infection and Nephropathy (BKPyVAN) in European Paediatric Renal Transplant Recipients *Britta Höcker, Lars Pape, Kai Krupka, Lennart Köster, Thurid Ahlenstiel-Grunow, Members of the CERTAIN Research Network, Hans H Hirsch Burkhard Tönshoff*
- e. Proteinuria as a noninvasive marker for renal allograft histology and failure in pediatric renal transplant recipients. *Anja K. Büscher, Tomas Seeman, Stefanie Weber, Kai Krupka, Rainer Büscher, Burkhard Tönshoff, Peter F. Hoyer, Members of the CERTAIN Research Network*
- f. Operative reconstruction of the lower urinary tract: an analysis of pre- vs. post-transplant intervention. *Joanne Nyarangi-Dix, Burkhard Tönshoff, Stephen Marks, Licia Peruzzi, Members of the CERTAIN Research Network*
- g. Immunogenicity of routine human papillomavirus vaccination in paediatric patients before and after solid organ transplantation – a prospective study. *Britta Höcker, Julia Tabatabai, Michael Pawlita, Nick Webb, Burkhard Tönshoff Members of the CERTAIN Research Network*

5. Develop new studies in specific areas: in preparation

- a. Transplantation in methylmalonic academia: An European survey. *Elisa Giammarioli, Friederike Hoerster, Isabella Guzzo, Marco Spada, Mohan Shenoy, Nicholas J. A. Webb, Carlo Dionisi Vici, Burkhard Tönshoff, Luca Dello Strologo, Rome*
- b. START trial: Systematic Tolerance And Risk Assessment Trial *Alexander Fichtner, Lars Pape, Anette Melk, Burkhard Tönshoff and members of the CERTAIN Research Network*
- c. Status of transition after kidney transplantation in Europe *Lars Pape and coworkers*
- d. A prospective trial comparing intensified vs. standard treatment to reduce cardiovascular comorbidity in pediatric renal transplant recipients. *Anette Melk and members of the CERTAIN Research Network*
- e. Risk factors and molecular pathogenesis of EBV-related PTLD in pediatric renal transplant recipients *Luca Dello Strologo and coworkers*
- f. Clinical significance of heterozygous mutations in living-related kidney donors *Carsten Bergmann, Martin Konrad and members of the CERTAIN Research Network*

g. Long-term outcome of combined LTx/RTx *Markus Kemper, Jun Oh, Florian Brinkert, Peter Hoyer, and members of the CERTAIN Research Network*

6. Develop registry activities linking with ESPN –ERA-EDTA Registry:

- a. Establishment of an IT interface between the CERTAIN Registry and the ESPN registry
Kai Krupka, Heidelberg. finalized

7. Link with ERA-EDTA working groups

- a. Updating Standard Operating Procedures on Tx *Licia Peruzzi, Daniel Abramowitz (ERA-EDTA)*
 b. Identifying the value of pre-emptive living kidney transplantation – a systematic review
Licia Peruzzi, Pierre Cochat, Daniel Abramowitz (ERA-EDTA) in collaboration with the DESCARTES WG (Developing Education Science and Care for Renal Transplantation in European States), manuscript in preparation
 c. Treatment of urinary tract disorders and RTx: a systematic review *Licia Peruzzi, Torino*

8. Link with the International Pediatric Transplant Association (IPTA)

- a. Scientific Planning Committee IPTA 9th International Congress in Barcelona, Spain, May 27-30, 2017 *Burkhard Tönshoff, Anette Melk, Luca Dello Strologo*
 b. In collaboration with the Publication Committee of IPTA: Development of clinical practise guidelines on paediatric renal transplantation *Lars Pape, Burkhard Tönshoff and members of the CERTAIN network*

9. Research Grant Award from the ESPN

Project: Polyomavirus Infection and Nephropathy in European Paediatric Renal Transplant Recipients.
Grant support for 2017: 20,000 €

10. Meetings of the ESPN Working Group “Renal Transplantation”

- a. In conjunction with the ESPN Congress 2017: Glasgow, September 7-9, 2017
 b. In conjunction with the workshop of the CERTAIN research network: Heidelberg, Dec. 8-9, 2017