



Report of the ESPN Working Group “Renal Transplantation”

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Working Group Activity description:

1. CME-specific activities:
 - a. ESPN Congress Brussels 2015: Symposium on topics of transplant immunology in paediatric renal transplantation, Vaccination in the immunosuppressed child
 - b. Designation of Luca Dello Strologo as CME Education officer for the ESPN Working Group “Transplantation”
 - c. 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

2. Develop new studies in specific areas:
 - a. Completed and published:
 - i. Effect of everolimus on longitudinal growth
Heiko Billing, Burkhard Tönshoff, Lars Pape; Transplant International 2013, 26: 903-9
 - ii. Epidemiology of CMV infections and the effect of antiviral chemoprophylaxis
Britta Höcker, Burkhard Tönshoff and members of the CERTAIN Registry Transplantation 2015, in press
 - iii. 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
 - iv. 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. 2015 Nov 20. pii: gfv392. [Epub ahead of print]
 - v. 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. 2015 Nov 27. doi: 10.1111/ajt.13649. [Epub ahead of print]*

- b. Ongoing (detailed information on these on-going projects is available on the CERTAIN website www.certain-registry.eu in the document area „Analyses“):
- i. Vaccination and Immunization Status in European Paediatric Renal Transplant Recipients:
Britta Höcker, Burkhard Tönshoff and members of the CERTAIN Registry
 - ii. 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
 - iii. Dyslipidaemia in Pediatric Renal Transplantation (DYSPEP)“ in view of the recent KDIGO guidelines: Is hyperlipidemia in children post-transplant undertreated?
Lutz Weber, Sandra Habbig, and members of the CERTAIN Research Network
 - iv. Arterial hypertension after renal transplantation – triggers, treatment and sequelae
Anette Melk, Elke Wühl, Ali Duzova and members of the CERTAIN Research Network
 - v. Antibody-mediated Rejection in European Paediatric Renal Transplant Recipients: Incidence, Risk factors and Outcome
Alexander Fichtner, Caner Süsal, Jan Becker, Britta Höcker, Lars Pape, Stephen Marks, Luca dello Strologo, Kai Krupka, Lennart Köster, Members of the CERTAIN Research Network, Burkhard Tönshoff
 - vi. 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, Burkhard Tönshoff, Hans H Hirsch*
 - vii. 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
 - viii. 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
- c. In preparation:
- i. 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,*
 - ii. START trial: Systematic Tolerance And Risk Assessment Trial
Alexander Fichtner, Lars Pape, Anette Melk, Burkhard Tönshoff and members of the CERTAIN Research Network
 - iii. 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

- iv. Risk factors and molecular pathogenesis of EBV-related PTLD in pediatric renal transplant recipients
Luca Dello Strogolo and coworkers
 - v. Status of transition after kidney transplantation in Europe
Lars Pape and coworkers
 - vi. Clinical significance of heterozygous mutations in living-related kidney donors
Carsten Bergmann, Martin Konrad and members of the CERTAIN Research Network
 - vii. Long-term outcome of combined LTx/RTx
Markus Kemper, Florian Brinkert, Peter Hoyer, and members of the CERTAIN Research Network
3. 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
4. Link with ERA-EDTA working groups
- a. Updating Standard Operating Procedures on Tx
Licia Peruzzi, Daniel Abramowitz (ERA-EDTA)
 - b. Identifying the value of preemptive 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
5. 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, Luca Dello Strogolo
 - b. In collaboration with the Education Committee of IPTA: Development of clinical practise guidelines on paediatric renal transplantation
Lars Pape and members of the CERTAIN network