

WG Transplantation projects

- **CERTAIN registry and CERTAIN studies**
- Machine Learning in the CERTAIN Registry (JJ Kim)
- Case Vignettes (Nele Kanzelmeyer)
- Educational Materials for Families (Nele Kanzelmeyer)
- Guideline on Immunosuppression in Ped Tx
- ReadySteadyGo Transition program in different languages
- Survey on C3G and IC-MPGN in children before/after kidney Tx
- Management of the failing transplant (Zainab Arslan)
- Fractures in European Children with CKD, on Dialysis and Post Transplantation study (Alex Lalayiannis)

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Finalized Reserach Projects Since 2016	Autor	Journal
1. Cytomegalovirus infection in pediatric renal transplantation and the impact of chemoprophylaxis with (val-) ganciclovir	Höcker B et al.	Transplantation 2016
2. Impact of everolimus and low-dose cyclosporin on cytomegalovirus replication and disease in pediatric renal transplantation	Höcker B et al.	Am J Transplant 2016
3. Dyslipidemia after pediatric renal transplantation - the impact of immunosuppressive regimens	Habbig S et al.	Pediatr Transplant 2017
4. Urinary proteomics to diagnose chronic antibody-mediated rejection in pediatric kidney transplantation	Kanzelmeyer NK et al.	Transpl Int 2018
5. JC polyomavirus replication and associated disease in pediatric renal transplantation: an international CERTAIN Registry study	Höcker B et al.	Pediatr Nephrol 2018
6. Survey on management of transition and transfer from pediatric- to adult-based care in pediatric kidney transplant recipients in Europe	Kreutzer M et al.	Transplant Direct 2018
7. Outcome of renal transplantation in small infants: a match-controlled analysis.	Weitz M et al.	Pediatr Nephrol 2018
8. Vaccination titres pre- and post-transplant in paediatric renal transplant recipients and the impact of immunosuppressive therapy	Höcker B et al.	Pediatr Nephrol 2018
9. Incomplete vaccination coverage in European children with end-stage kidney disease prior to renal transplantation	Höcker B et al.	Pediatr Nephrol 2018
10. Epidemiology of and risk factors for BK polyomavirus replication and nephropathy in paediatric renal transplant recipients: an international CERTAIN Registry study	Höcker B et al.	Transplantation 2019
11. Sex and age as determinants for high blood pressure in pediatric renal transplant recipients: a longitudinal analysis of the CERTAIN Registry	Melk A et al.	Pediatr Nephrol 2020
12. Pilot study on the use of cinacalcet after pediatric renal transplantation: an international CERTAIN Registry analysis	Bernardor J et al.	Pediatr Nephrol 2020
13. Hospitalization following pediatric kidney transplantation: an international comparison amongst Canadian pediatric transplant center, North American Pediatric Renal Trials and Collaborative Studies (NAPRTCS) data, and Cooperative European Paediatric Renal Transplant Initiative (CERTAIN) Registry	Kim JK et al.	Pediatr Transplant. 2022
14. Prevalence and potential relevance of hyperuricemia in pediatric kidney transplant recipients - a CERTAIN registry analysis.	Ehren R et al.	Pediatr Transplant. 2022
15. Timing of reconstruction of the lower urinary tract in pediatric kidney transplant recipients: A CERTAIN multicenter analysis of current practice.	Patry C et al	Pediatr Transplant. 2022
16. Emulation of the control cohort of a randomized controlled trial in paediatric kidney transplanta-tion with Real-World Data.	Patry C et al	Pediatr Nephrol 2022
17. Hyperparathyroidism is an independent risk factor for allograft dysfunction in pediatric kidney transplantation: CERTAIN Registry analysis.	Prytula A et al	Kidney Int Rep. 2022
18. Renal outcome and plasma methylmalonic acid levels after isolated or combined liver or kidney transplantation in patients with methylmalonic acidemia: A multicenter analysis	Dello Strolago L et al.	Mol Genet Metab. 2022
19. Molecular HLA mismatching for prediction of primary humoral alloimmunity and graft function deterioration in paediatric kidney transplantation.	Kim JJ et al	Frontiers Immunol. 2023
20. The strengths and complexities of European registries concerning paediatric kidney transplantation health care.	Oomen L et al.	Frontiers in Ped. 2023
21. Validation of a prediction system for risk of kidney allograft failure in pediatric kidney transplant recipients: an international observational study	Hogan J et al.	Am J Transplant, in press

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Actual Studies within the Certain Registry	Studienkoordinator
1. Antibody-mediated Rejection in European Paediatric Renal Transplant Recipients: Incidence, Risk Factors and Outcome (ABMR 2016)	Alexander Fichtner / Heidelberg Alexander.Fichtner@med.uni-heidelberg.de
2. Long-term outcome after pediatric combined liver and kidney transplantation: A CERTAIN Registry analysis (KLTX 2018)	Florian Brinkert / Hamburg f.brinkert@uke.de
3. Recurrence of nephrotic syndrome after paediatric kidney transplantation in Europe: risk factors, treatment and outcome (SRNS 2019)	Antonia Bouts / Amsterdam a.h.bouts@amsterdamumc.nl
4. Metabolic acidosis after paediatric RTx: risk factors, management strategies and association with longitudinal growth	Agnieszka Prytula / Ghent Agnieszka.Prytula@uzgent.be
5. Arterial hypertension and cardiovascular comorbidity after renal transplantation – triggers, treatment and sequelae (Hypertension 2020)	Anette Melk / Hannover, Elke Wühl / Heidelberg Melk.Anette@mh-hannover.de Elke.Wuehl@med.uni-heidelberg.de
6. Validation of a prediction system for risk of allograft loss in children receiving kidney transplants (iBOX) - Database closed	Julien Hogan / Paris Julien.hogan2@aphp.fr
7. Definition and validation of the impact of tacrolimus variability and concentration/dose ratio on allograft rejection, function and tacrolimus-related toxicity in paediatric kidney transplant recipients	Maral Baghai Arassi / Heidelberg Maral.BaghaiArassi@med.uni-heidelberg.de
8. The impact of delayed graft function on rejection and long-term outcome in paediatric kidney transplant recipients - a multicentre matched case-control study - Database closed	Christian Patry/ Heidelberg Christian.Patry@med.uni-heidelberg.de
9. Risk-prediction model for delayed graft function in paediatric kidney transplant recipients - an analysis based on the CERTAIN research network (DGF 2022) - Database closed	Christian Patry/ Heidelberg Christian.Patry@med.uni-heidelberg.de
9. HPVaxResponse Study	Rukshana Shroff / London Rukshana.Shroff@gosh.nhs.uk
10. EuPAKT Study	

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No rotating off the board on December 31th, 2023 required