

ABO Incompatible Kidney Transplantation – Challenges in Clinical Practice

/Short communication, 3rd session “Current Important Topics in Kidney Transplantation”, Friday, October 4

Prof. Ruta Vaiciuniene, dr. Egle Vaitkeviciene, Nephrology department, Lithuanian University of Health Sciences, Hospital of Lithuanian University of Health Sciences, Kauno klinikos

Due to the shortage of donors, living donation is particularly encouraged in kidney transplantation. Transplantation of an incompatible living donor blood type is associated with comparative graft function and moderately higher mortality as compared to ABO compatible kidney transplantation. The main methods of preparation for a kidney transplantation from an incompatible blood group living donor are described and published in the literature. In the Hospital of Lithuanian University of Health Sciences, Kaunas Clinics, ABO incompatible kidney transplantation was started in August 2023. Although the transplantation was successful, we encountered some treatment challenges during the preparation process, which are not described in most of the relevant articles. In this presentation we will share our experiences with a double filtration plasmapheresis as compared to an antigen-specific immunoadsorption. We will also demonstrate an unexpected increase in anti-A1 titre after administration of intravenous immunoglobulin. We hope that our experiences and lessons will be of practical value for other kidney transplant centres.