

Submission No.: PG11-5423

Session : Postgraduate Course 11 (Kidney/Pancreas)

Date & Time, Place : November 17 (Thu), 15:00-16:30, Room 5F-1

Session Title : New diagnostic tests in kidney transplantation

Eplet Mismatch and Kidney Transplant Outcomes

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Eplet mismatch considers differences between donor and recipient HLA at the amino acid level and is believed to provide more detailed information on the potential for allorecognition compared to whole antigen HLA mismatch. Assessment of eplet mismatch may therefore improve prediction of which patients will develop adverse transplant outcomes, such as *de novo* donor specific antibodies (dnDSA), rejection and graft failure. While there is increasing interest in exploring the utility of eplet mismatch in organ allocation, there is currently insufficient prospective data on their clinical associations. This session will provide an overview of key concepts in determining eplet mismatch, and will discuss the current literature on the role of eplet mismatch in kidney transplant outcomes.