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had class I only, 51 (64%) had class II only, and 11 (13.9%) had both. Multivariate analysis of factors associated with increased risk of Society of Transland international field agerical subjects of Dear Plat Stronger apy -And HLA mismatch ing The mean age of HLA Aby Resitive subjects Wascy Policy ficantly younger, 36.8 vs 43.2 years (p=0.001). Use of anti-IL2R Ab as induction therapy was independently protective against development of anti-HLA Abs (p=0.002).

Anti-HLA Ab positive subjects were significantly more likely to develop rejection (22.8% vs 5.4%, p<0.001), with in-vitro complement binding anti-HLA Ab being more highly associated with rejection. Samples from 74 of 79 anti-HLA positive subjects were available for in vitro C1q binding studies: 36 (48.6%) were C1q positive and 38 (51.4%) were C1q negative, with complement binding Ab being significantly more likely to be directed against donor specific antigens (p=0.007), and associated with rejection (33.3% vs 10.5 %, p=0.024) Despite this and in contradiction to previously reported retrospective studies there was no difference in allograft survival in subjects who developed anti-HLA Abs.

This multi-center prospective analysis describes the characteristics and risks of de novo HLA-Ab development in kidney transplant recipients, and indicates that development of de novo HLA-Ab is rather an uncommon event that in contrast to the prevailing dogma may not be associated with long term worse outcomes.

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