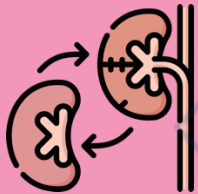


pOKRA Study: Biomarker-Based Diagnosis and Histological Correlation of Allograft Rejection in Pediatric Kidney Transplantation

Methods



Prospective



First-year post-transplant

61 pediatric patients



72 AlloSure samples

% cell-free DNA

+

69 AlloMap samples

Gene expression

prior biopsies

Cohort



18 acute rejection (AR)
(subclinical and borderline)



59 without AR

Results



AlloSure



AlloMap



Combined

AUC 0.83

AUC 0.82

AUC 0.94

Acute rejection

PPV 80.2%

NPV 98.7%



Increased levels with BANFF severity scores with both biomarkers

