

16th International Histocompatibility
and Immunogenetics Workshop
MICA Project

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MICA antibody serum exchange
Clinical cases: MICA DSA, graft rejection
in the absence of HLA DSA

Participants of the 16th IHIW MICA project

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Serum Exchange Progress

Serum sent out (3/4): 1st, 2nd and 3rd

Report sent out (2/4): 1st and 2nd

15 laboratories from 6 countries

3 MICA antibody testing kits

Clinical Cases

1. Living Related Kidney TX:

Sibling haploidentical donor, no HLA antibodies, MICA-DSA detected. Allograft rejected.

2. Liver TX:

Deceased Donor, no HLA antibodies, MICA-DSA detected, allograft was rejected in two years.

3. Heart TX:

Heart transplant recipient with zero mismatch of HLA-class I and class II, but mismatched in MICA. MICA de-novo antibodies were detected 2 years post-Tx. Pt developed TCAD and died.