

## **Clinical Outcomes of ABO-Incompatible Kidney Transplantation**

**Introduction and Objective:** Due to the severe shortage of deceased donors in Japan, ABO-incompatible living donor kidney transplantation has been performed since the late 1980s. Excellent long-term outcomes have been achieved; the rates of graft survival among these patients are currently similar to those of recipients of ABO-compatible grafts. In the present study, we demonstrated our single-center experience with regard to immunosuppressive protocols, complications, and graft survivals.

**Materials and Methods:** Among 142 patients with end-stage renal disease who underwent living donor kidney transplantation at our institution between January 1999 and February 2011, 32 cases were ABO-incompatible grafts. We analyzed these patients, focusing on the immunosuppressive protocols, complications, and graft survivals.

**Results:** Patient and graft survival rates were 100%. One patient experienced antibody-mediated rejection and intractable acute cellular rejection, one had antibody-mediated rejection, and seven had acute cellular rejection.

**Conclusions:** Although severe rejections may occur due to ABO-incompatibility, a favorable short-term graft survival rate may be expected for recipients of ABO-incompatible kidney transplantation due to recent significant improvements in desensitization and recipient management.