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**Simultaneous cardiac surgery and renal transplantation compared with renal transplantation after cardiac surgery**

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## Abstract

Patients with end-stage renal disease (ESRD) have a high prevalence of coronary artery disease and cardiovascular death. The mortality and the morbidity rates of cardiac surgery are particularly high in these patients with end-stage renal disease. Performing cardiac surgery and kidney transplantation in the same session can reduce these complications in the early postoperative period by normalizing renal function. We compared the mortality and morbidity rates between patients who had undergone cardiac surgery and kidney transplantation separately and patients who had combined surgeries. This retrospective study consisted of 135 patients. One group of 60 patients underwent cardiac surgery and kidney transplantation in separate sessions and the other group of 75 patients had combined surgeries in the same session, between March 2008 and September 2015. Patients who had combined surgeries achieved fluid electrolytic balance more easily, had shorter extubation times, used less blood and blood products, and had fewer major complications. The patients recovered faster and thus had shorter stays in the intensive care unit and hospital. This combined surgical approach allows normalized kidney function in patients with end-stage renal disease, so mortality and morbidity in the early postoperative period could be significantly reduced.

## Biography

Levent Yucetin is the director of Antalya Medicalpark Transplant Center Coordination. He studied and trained in Oxford, Cambridge, Harefield transplant centers, Barcelona University and TPM organisation between 1999-2001. He was the president of Turkish Transplant Coordinator\'s Society between 2005-2009, National Key Member of ETCO between 2002-2012. Turkey\'s leader at European Union projects ETPOD, ELIPSY, LIDOPS and ODEQUS. Member of Turkish Health Ministery\'s Transplant Coordinators and Organ Donation board. Trainer of Transplant coordinators at Helath Ministery Certification organisation. He has published more than 29 papers in reputed journals and 10 chapters at 4 repute books.