

Submission No.: PG02-5387

Session : Postgraduate Course 2 (Kidney/Pancreas)

Date & Time, Place : November 17 (Thu), 08:30-10:00, Room 5F-1

Session Title : Video in kidney/pancreas transplantation (Video session)

Retroperitoneal Laparoscopic Living Donor Nephrectomy

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Living donation plays an essential role in global kidney transplantation, especially in Asian countries. Expanding the use of kidneys from living donors requires a constant search to optimize the living donor nephrectomy surgery. The procedure of living donor nephrectomy is a delicate surgery that requires careful preparation and perfect technique for optimal outcomes of both the donor health and recipient's graft function. Nowadays, laparoscopic donor nephrectomy is considered the standard of care with the advantages of minimally invasive surgery, including reduced blood loss, reduced pain, reduced hospital convalescence, and improved cosmetic results. In our institution, we have applied three techniques concurrently, namely retroperitoneal laparoscopic, transperitoneal laparoscopic and robotic living donor nephrectomy. Among them, retroperitoneal approach which is performed by experienced surgeons has been the mainstay of harvesting of kidney. In this lecture, I am going to explain not only our surgical technique in every detail but also the advantages and disadvantages of retroperitoneal approach regarding living donor nephrectomy.