

RENAL TRANSPLANT SURGERY Preparation of the donor

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The donor kidney must be examined and prepared on the back-table in order to check that it is suitable to be transplanted. Multiple renal arteries are present in up to 25% of kidneys and, if present, may require reconstructive bench surgery to simplify implantation. The renal arteries are end arteries, so it is important whenever possible to preserve all branches (Figure 88.12).

(a) (b) Figure 88.13 Renal allograft implantation techniques. (a) Anastomosis of the renal artery on a donor aortic patch end to side to the external iliac artery. (b) Anastomosis of the renal artery end to end to the divided internal iliac artery. artery end to end to the internal iliac artery and the

renal vein end to side to the external iliac vein. Figure 88.12 Deceased donor renal transplant with three arteries that have been reconstructed using a patch of donor aorta and anastomosis

sed to the external iliac artery.

Revision #1

Created 2025-12-31 15:31:41 UTC by Omar Ayman

Updated 2025-12-31 15:31:41 UTC by Omar Ayman