

Twin Renal Arteries

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Clinical Image

Approximately 25% upto 30% of the adult kidneys have two to four renal arteries, which usually arise from the aorta. In a donated male cadaveric specimen, 72 years of age during his death, we have discovered a double renal artery in the left kidney. Both vessels arising from the abdominal aorta, the main and the accessory, entering the hilus to end inside renal pelvis, giving in their perihilar branching segmental arteries to be further divided into lobar to supply different pyramids. All supplementary renal arteries are end arteries. Thus, if one is damaged, or ligated, the part of the kidney supplied by it will become ischemic [1,2]. Interventional practitioners should be aware of renal arteries variations, as independently of the number of arteries supplying the kidney, each has a significant role to play (Figure 1).

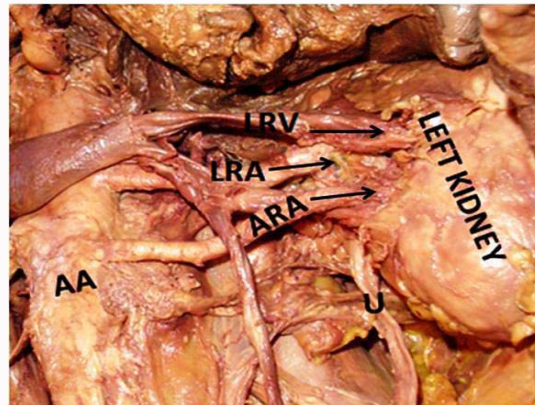


Figure 1: Twin renal arteries.

ARA: Additional Renal Artery; LRA: Left Renal Artery; LRV: Left Renal Vein; AA: Abdominal Aorta; U: Ureter

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