

MARY WASHINGTON HEALTHCARE IMAGING SERVICES

PRE-OP RENAL TRANSPLANT CRITERIA

Standard measurement criteria:

1. **Aorta** - diameter <3.0cm with no evidence of atherosclerotic disease
2. **Common iliac artery** - diameter < 2.0cm with no evidence of atherosclerotic disease and normal Doppler waveform and velocity.
3. **Internal iliac artery** - No evidence of atherosclerotic disease and normal Doppler waveform and velocity.
4. **External iliac artery** - No evidence of atherosclerotic disease and normal Doppler waveform and velocity.
5. **Common femoral artery** - diameter <1.3cm with no evidence of atherosclerotic disease and normal Doppler waveform and velocity.
6. **Veins** - Patent common, external & internal iliac and common femoral veins with no evidence of thickening or thrombus.

Reference:

- 1) What is the relevance of systematic aorto-femoral Doppler ultrasound in the preoperative assessment of patients awaiting first kidney transplantation: a monocentric prospective study. [Nephrol Dial Transplant](#). 2010 Jan;25(1):270-4. doi: 10.1093/ndt/gfp459. Epub 2009 Sep 11
- 2) Vascular assessment of the receptor before kidney transplantation. [Arch Esp Urol](#). 1996 Dec;49(10):1043-52.