

RENAL ARTERY DOPPLER ULTRASOUND

Name:

Sonographer:

Relevant clinical history:.....

AORTA: Max A-P diameter: cm

PSVcm/s

Right Kidney: Length:cm

Renal Artery	PSV (cm/s)	RAR	Visualisation (0-4)
Origin			
Proximal			
Mid			
Distal			

Intrarenal Vessel	ESP Yes / No	RI Normal < 0.8
Upper		
Mid		
Lower		

Comments:

Left Kidney: Length:.....cm

Renal Artery	PSV (cm/s)	RAR	Visualisation (0-4)
Origin			
Proximal			
Mid			
Distal			

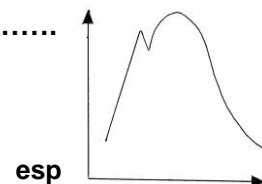
Intrarenal Vessel	ESP Yes / No	RI Normal < 0.8
Upper		
Mid		
Lower		

Comments:

Additional Comments:

Sonographic Criteria for renal artery stenosis ⁵:

1. PSV > 180 cm/s = > 60% diameter reduction
2. Renal/Aorta ratio (RAR) > 3.5 = > 60% diameter reduction



Visualisation criteria:

- 0 = spectral trace unable to be obtained. No colour flow visualised
- 1 = spectral trace obtained with very poor colour flow visualisation. Small pixels of colour. Flow direction unable to be accurately assessed
- 2 = spectral trace obtained with interrupted colour flow. Direction of flow can be noted.
- 3 = spectral trace obtained, continuous vessel seen
- 4 = spectral trace obtained. High quality colour visualisation enabling the assessment for focal aliasing.