

Renal Artery US Technologist Worksheet

St Vincents Riverside Southside Clay St Johns Imaging Center Arlington ER Westside ER Beach ER
Optimal Forbes Southside Clay Mandarin Westside St Johns Town Center Orange Park

Patient Name: _____ MMI: _____ Age: _____

History/Symptoms: _____

GFR:	Hypertension	Flank Pain	Urinary Stones	Hydronephrosis	ARF	Diabetes Mellitus
	Y N	R L	R L	R L	CKD	Hematuria

	Size			Echogenicity			Hydronephrosis		
RIGHT KIDNEY	x	x	cm	wnl	↑	↓	none	mild	
							moderate	severe	
LEFT KIDNEY	x	x	cm	wnl	↑	↓	none	mild	
							moderate	severe	

RIGHT KIDNEY	Main Renal Artery			Segmental Arteries		Renal/Aorta PSV Ratio			
	PSV (cm/sec)	RI	ΔT (msec)	RI					
	Prox				Upper		Renal Vein Patent Not Patent		
	Mid				Mid				
Distal				Lower					

LEFT KIDNEY	Main Renal Artery			Segmental Arteries		Renal/Aorta PSV Ratio			
	PSV (cm/sec)	RI	ΔT (msec)	RI					
	Prox				Upper		Renal Vein Patent Not Patent		
	Mid				Mid				
Distal				Lower					

BLADDER	wnl	decompressed	Foley	poor vzld	Jets? (if hydro)	R	L
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Mid Aorta PSV	cm/sec	Renal/Aorta ratio is invalid if aorta PSV is <40 or >90-100 cm/sec.
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Findings of renal artery stenosis: PSV >180-200 cm/sec, ratio >3.5, ΔT >70 msec (i.e. tardus parvus waveform) and difference in RI between right and left arteries of >0.05-0.07

Resistive Index: 0.5-0.7 (normal), 0.7-0.8 (borderline), >0.8 (elevated), <0.5 (low)

Sonographer's Impression: _____

Sonographer's Name, Date & Time: _____ # Images _____

Not Intended for Treatment Planning

MI-0640
(Revised 6/2025)

Tech Wrksht - "Renal Artery US Chrtform"