

Renal Artery US Technologist Worksheet

St Vincents Riverside Southside Clay St Johns Imaging Center Arlington ER Westside 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	PSV (cm/sec)	RI	ΔT (msec)	Segmental Arteries	Renal/Aorta PSV Ratio	
	Prox				Upper		Renal Vein Patent Not Patent
	Mid				Mid		
	Distal				Lower		

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

BLADDER	wnl	decompressed	Foley	poor vzld	Jets? (if hydro)	R L
---------	-----	--------------	-------	-----------	------------------	-------

Mid Aorta PSV _____ cm/sec Renal/Aorta ratio is invalid if aorta PSV is <40 or >90-100 cm/sec.

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 _____