

**SECTION OF PERIPHERAL VASCULAR DISEASES
RENAL ARTERY DUPLEX SCAN**

Name: BUENAVENTURA, SIRIUS C.
Address: PASIG
Date: March 08, 2019

Age/Sex: 24 / M
Study No: RDS 19-03-052/HD11-2/LOU
Referring MD: DR. MYRA CANLAS

Reason for examination:

DUPLEX RESULTS:

A.VELOCITY (cm/sec)

	SYSTOLIC	END-DIASTOLIC	SIZE
AORTA	P = 38/38 M = 47/61/50 D = 38/42/42 Level of SMA = 44/41/45		P = 1.59 x 1.46 cm M = 1.34 x 1.80 cm D = 1.48 x 1.80 cm

Right Kidney	SYST	DIAST	RAR	RI
Renal A orig	68	23	1.51	0.66
Prox.	81	24	1.80	0.70
Mid	80	27	1.78	0.66
Distal	81	31	1.80	0.62
			EDR	RI
Hilar	67/81/70/65	26/31/33/34	0.45	0.55
Medulla	72/73/75/66	22/31/28/28	0.40	0.60
Cortex	49/40/44/45	27/17/17/14	0.45	0.55
Renal Vein Patent	Yes			

Left Kidney	SYST	DIAST	RAR	RI
Renal A orig	53	16	1.18	0.70
Prox.	56	14	1.24	0.75
Mid	55	13	1.22	0.76
Distal	55	13	1.22	0.76
			EDR	RI
Hilar	54/61/49/52	17/14/14/21	0.31	0.69
Medulla	43/47/63/58	16/17/23/16	0.35	0.65
Cortex	41/32/32/24	17/15/13/10	0.42	0.58
Renal Vein Patent	Yes			

KIDNEY SIZE (cm)

	RIGHT	LEFT
LONGITUDINAL	10.20	10.80
TRANSVERSE	5.05	5.00



PREMIERE

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COMMENTS

1. Renal peak systolic velocities of less than 200 cm/sec, bilaterally. Relatively low recorded renal peak systolic velocities
2. Renal-aortic ratio of less than 3.5, bilaterally
3. Resistivity index of less than 0.8, bilaterally
4. End diastolic ratio of more than 0.3 bilaterally

INTERPRETATION

1. No evidence of hemodynamically significant renal artery stenosis, bilaterally
2. Normal-sized bilateral kidneys
3. Normal renal parenchymal resistance, bilaterally
4. Normal-sized abdominal aorta

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