PLAIN 2-DIMENSIONAL ECHO STUDY REPORT

Name:	**BAGARINO, ASUNCION R.**	Age:	81	Date:	March 18, 2019
Address:	QUEZON CITY	Sex:	FEMALE	RC:	
Ref. MD:		Weight:	57 kg	HR:	84 Per min
Hospital	EAST AVENUE MEDICAL CENTER (EAMC)	Height:	151 cm	SBP:	mmHg
Study No:	2DE 19-03-047/HD7 Technician Zel	BSA:	1.55 M^2	DBP:	mmHg

LEFT VENTRICULAR DIMENSION (LV)

Parameter		Normal Range
LVEDD	4.1	
LVESD	2.4	
LVEDD/BSA	2.7	2.4-3.2 cm/m^2
LVESD/BSA	1.6	1.4-2.1 cm/m^2
IVSD	1.1	0.6-0.9 cm
IVSS	1.4	
PWD	1.1	0.6 – 0.9 cm
PWS	1.5	
LV Mass In.	98	43-95 gm/m^2
LV Rel. WT	0.54	0.22 – 0.42 cm
LVOT	2.4	1.8 – 2.4 cm/m
EPSS	0.7	< 0.7 cm

RIGHT VENTRICULAR DIMENSION

RVD mid	2.1/2.5	2.7 – 3.3 cm
RVWT	0.5	< 0.5 cm

LV VOLUME & SYSTOLIC FUNCTION

Parameter		Normal Range
LVEDV	76	56-104 ml
LVESV	19	19 - 49 ml
Stroke Vol.		
Bi-plane	57	70-100 ml
Doppler	-	>70-100 ml
C.O	-	>4.0 L/Min
C.I	-	>2.5 L/min/m^2
Eject. Fraction		
M-Mode	75	> 55 %
Simpson's	71	> 55 %
FS	43	27-45 %
LVET	290	265 - 325 msec
RVOT1	2.8	2.5 – 2.9 cm
RVFAC	38	32 - 60 %

ATRIA AND GREAT VESSELS

Parameter		Normal Range
LA (AP)	3.8	
LA / BSA	2.5	1.5 – 2.3 cm/m^2
LA Vol. In.	21	<34 ml/m^2
RA	2.5	2.9 – 4.5 cm
RA / BSA	1.6	1.7-2.5 cm/m^2
AORTA		
Annulus	2.4	1.4 – 2.6 cm
Sinus Val.	3.5	2.1 – 3.5 cm
ST Junct.	2.6	1.7 – 3.4 cm
Ascending	2.7	2.1 – 3.4 cm
ARCH	2.4	2.0 – 3.6 cm
MAIN PA	1.9	1.5 – 2.1 cm
IVC Diameter	2.0/0.9	1.5 – 2.5 cm
IVC Collapse%	55	> 50 %
MV Annulus	2.2	1.8 – 3.1 cm
TV Annulus	2.2	1.3 – 2.8 cm
PV Annulus	2.0	1.7 – 2.3 cm

DOPPLER STUDY : HEMODYNAMICS

	Velocity m/sec	Peak Grad mmHg	Valve Area cm^2	VTI(cm)	VC(c m)	%	Jet Area cm^2	Volume(ml)
						REGURGITATION		
LVOT/ AV								
Mitral Valve								
Tricuspid Valve								
RVOT /PA								
PAT msec		MPAP (PAT)			SPAP (TR Jet)			mmHg

DOPPLER STUDY:(LV) DIASTOLIC FUNCTION

PUL. VENOUS VELOCITY		MITRAL INFLOW		MITRAL ANNULAR TDI			
Systolic	m/sec	E wave DT	msec	Lateral E'	cm/sec	E/E' ratio	
Diastolic	m/sec	IVRT	msec	A'	cm/sec		
S/D ratio	m/sec	A Wave dur	msec	Medial E'	cm/sec	E/E' ratio	
Ar Velocity	msec	Adur - Adur	msec	A'	cm/sec		
Ar Duration							

** Normative values for cardiac chambers are based on ASE recommendations for Chamber Quantification JASE Dec 2005; Otto Textbook of Clinical Echocardiography; 3rd Edition, Reynolds The Echocardiograher's Pocket Reference 2nd Ed.*

** LVMI calculated using Linear method. CO and CI values are based on Doppler derived Stroke Volume. LVMI for LV Mass Index, LV RWT for LV Relative wall thickness, RVFAC for RV Fractional Area Changes, RVOT1 Above aortic valve.*

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ECHOCARDIOGRAPHIC REPORT

Concentric left ventricular hypertrophy with adequate wall motion and contractility
Normal right ventricle with adequate wall motion and contractility
Dilated left atrium with normal left atrial volume index of 21 ml/m²
Normal right atrium
Aortic annular calcification
Structurally normal mitral valve, tricuspid valve and pulmonic valve
Normal main pulmonary artery
Normal aortic root dimensions
Echo free space anterior to right ventricle consistent with epicardial fat pad versus loculated pericardial effusion. Correlate clinically
Suggest Color Doppler Studies to evaluate diastology and velocities across the valves

Original Signed
ROSALINDA R. DIZON, MD
LEVEL 3 ECHOCARDIOGRAPHER

M.C.M./SONOGRAPHER

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