

# General Medical Hospital

2001 Kirby Drive  
Houston, Texas 77589



## Echocardiography Report

<b>Patient Name:</b>	Smith, John	<b>Sex:</b>	M	<b>Patient ID:</b>	HD11
<b>Study Date:</b>	11/29/2007	<b>BP:</b>	137/9	<b>Referring MD:</b>	Bruce Sherman, M.D.
<b>Height:</b>	72 in	<b>HR:</b>	92	<b>Technologist:</b>	Mary Black, RDCS
<b>Weight:</b>	186 lb			<b>DOB, Age:</b>	2/4/1949, 58 yr
<b>BSA:</b>	2.07 m <sup>2</sup>			<b>CPT4:</b>	93307
<b>Inpatient</b>	Room 9				
<b>ICD9:</b>	396.3				
<b>Indication:</b>	Cardiac evaluation, Chest pain				
<b>History/Clinical:</b>	Arrhythmias, Cor pulmonale, Murmur, Rheumatic heart disease				
<b>Procedure:</b>	M-mode, 2D, Color Flow				

### 2D Measurements

#### Parasternal Long Axis

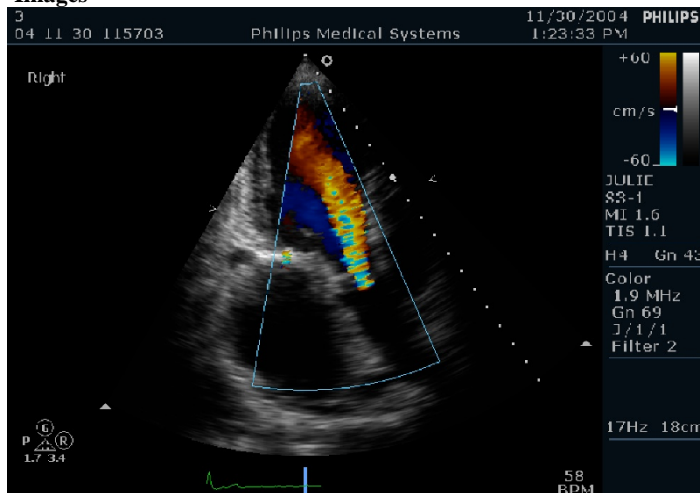
LVIDd	4.69 cm	LV Wmn	1.57 cm
LVIDs	2.56 cm	LA Ds	6.66 cm
LV%fs	45.5 %	Ao An	1.71 cm
IVSd	1.86 cm	Ao Rtd	2.78 cm
LVPWd	1.28 cm		
LV Ad	22.3 cm <sup>2</sup> (9.5-22.3) *	HR	65 bpm
LVEDV	60.9 ml (65-193) *	LV CO	1.98 l/min
LV As	14.3 cm <sup>2</sup> (4-11.6) *	LV CI	0.955 l/m/m <sup>2</sup>
LVESV	30.5 ml	LVIDd	4.27 cm (3.6-5.2)
LV SV	30.4 ml	LVIDs	3.31 cm (2.3-3.9)
LV EF	49.9 % (63-77) *	LA Dd	6.3 cm

### Doppler Measurements

#### AV Regurg Flow

AV pkVel	472 cm/s	AV Flw	1152 msec
AV mnVel	357 cm/s	AV TVI	411 cm
AV pkPG	89 mmHg	AV P½t	782 msec
AV mnPG	55.4 mmHg		

### Images



### Findings

#### Chambers and Structures

RA: RA size is normal. No abnormalities visualized in the RA.  
 AO: Aorta is normal.  
 PERI: Pericardium is normal.  
 RV: RV function is moderately depressed. RV function is lower limits of normal.  
 LA: LA size is severely enlarged.  
 LV: LV function is mildly depressed. LV size is normal.

#### Valves

MV: Moderate calcification of MV leaflets. Moderate to severe mitral regurgitation. Moderate to severe MV stenosis.  
 AV: Moderate to severe aortic regurgitation.  
 TV: Moderate to severe tricuspid regurgitation.  
 PV: Moderate to severe pulmonic regurgitation.

### Summary

2-D echo & Doppler demonstrate severely enlarged left atrial size. Left ventricular systolic function is mildly depressed with abnormal ejection fraction of less than 50% as documented above.  
 Moderate to severe mitral stenosis and moderate to severe regurgitation is seen.  
 All other valves structure(s) are normal with moderate to severe regurgitation.  
 Patient history of RHD.

<Electronic Signature> 11/30/2007 03:20 PM

James Pepper, MD, FACC Revised