

RESULT PRINTED COPY

Printed by: 68636

02/03/2014 14:03

MRN: 02018079

Patient: GIFFEN, Todd M.

Service Provider: WALTER, TIMOTHY O.

Ordering Provider: WALTER, TIMOTHY O.

Resulting Provider: TROJAN, MATTHEW R.

Enc#: 48678633 Acct#: 32577899

USN: 496036960 Fac: SHRB

Service Date: 01/23/14 9:09am

Status: F

Report Name: ECHO Complete Dop & CF Fac ECOWC

Type: DXSTIC

ECHO Complete Dop & CF Fac ECOWC - STATUS: Final

SEE DETAIL By: Trojan, Matthew R

Collect/Perform: 23Jan14 09:09 - 24Jan14 08:29

Ordered By: Walter, Timothy O

Ordered Date: 23Jan14 09:14

Facility: SHRB

Department: ECOWC

PATIENT: GIFFEN, Todd

MRN: 02018079

DOB: 03/13/1985

AGE: 28

GENDER: M

DATE OF PROCEDURE: 01/23/2014

ORDERING MD: TIMOTHY WALTER

REFERRAL MD: TIMOTHY WALTER

PERFORMED BY: Mark S. Houston, RDCS

REASON FOR STUDY: MID SYSTOL MURMUR/TACHYCARDIA

ECHOCARDIOGRAPHY STUDY

PatientHeight	185	cm
PatientWeight	104	kg
HeartRate	91	bpm
BSA	2.3	m

Conclusions

Normal echocardiogram for age

Left ventricular systolic function is normal. All four cardiac valves are normal in structure and function. There is no prior echocardiogram noted for this patient.

Study Comments

A two-dimensional transthoracic echocardiogram with color flow and Doppler was performed.

The study was technically good with many images being of high quality.

The study was diagnostic quality.

There is no prior echocardiogram noted for this patient.

The cardiac rhythm was tachycardic during the exam.

The patient was in normal sinus rhythm during the exam.

Ventricular Function

The left ventricle is normal in size.

There is normal left ventricular wall thickness.

Left ventricular systolic function is normal.

Left ventricular ejection fraction is 70% (+/- 5).

A variety of Doppler measurements indicate normal left ventricular diastolic function.

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The right ventricle is normal in size and function.

Atrial Description

The left and right atria are normal in size.

There is no Doppler evidence for an interatrial shunt.

Valvular Function

The mitral valve is normal in structure and function.

All four cardiac valves are normal in structure and function.

The aortic valve is normal in structure and function.

The tricuspid valve is normal in structure and function.

There is a trace to mild amount of tricuspid regurgitation.

Right ventricular systolic pressure is normal.

The pulmonic valve is normal in structure and function.

Great Vessels

The aortic root is normal size.

The ascending aorta, aortic arch, and descending aorta are all normal in size and function.

The IVC appears to collapse at least 50% or more and is normal in size which suggests normal central venous pressures.

Pericardium/Pleural Description

There is no pericardial effusion.

MMode 2D Measurements and Calculations

RVDD	2.0	cm
IVSD	1.00	cm
LVIDd	5.1	cm
LVIDs	3.5	cm
LVPWd	0.88	cm
Ao root diam	3.0	cm
LA dimension	3.5	cm
asc Aorta	2.9	cm
LVOT diam	2.5	cm
LA vol	64	ml
LA vol index	28	ml/m

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Doppler Measurements and Calculations

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Type:DXSTIC

MV E point	89	cm/sec
MV A point	92	cm/sec
MV E/A	0.97	ratio
Ao V2 max	129	cm/sec
Ao max PG	6.7	mmHg
AVA(V,D)	4.0	cm
LV V1 max	106	cm/sec
PA V2 max	111	cm/sec
PA max PG	4.9	mmHg

Interpreting Physician: Matthew Trojan, MD electronically signed on
01-24-2014 08:29:45

Annotations

FYI Sent to Agomaa, Albert D by Idx, If4 on 24Jan2014 08:30 - Final
Sent to Walter, Timothy O by Idx, If4 on 24Jan2014 08:30 - Final

Additional Providers

Ordered By : Walter, Timothy O

2/3/14



Adult Echocardiogram



PeaceHealth
Sacred Heart
Medical Center

Study ID: 352783

Oregon Heart &
Vascular Institute

3311 RiverBend Drive
Springfield, OR 97477
(541) 222-7218

Name: GIFFEN, Todd M	Study Date: 01/23/2014 09:09 AM
MRN: 02018079	Pt Location: OHVI
DOB: 03/13/1985	Ordering MD: WALTER, TIMOTHY
Age: 28 yrs	Referring MD: WALTER, TIMOTHY O
Gender: Male	Performed By: Mark S. Houston, RDCS
Reason For Study: MID SYSTOL MURMUR/TACHYCARDIA	HR: 91
History: Pt says he has had tachycardia for several years.	Height: 73 in
	Weight: 230 lb
	BSA: 2.3 m ²

Conclusions

Normal echocardiogram for age.
Left ventricular systolic function is normal.
All four cardiac valves are normal in structure and function.
There is no prior echocardiogram noted for this patient.

Study Comments

A two-dimensional transthoracic echocardiogram with color flow and Doppler was performed. The study was technically good with many images being of high quality. The study was diagnostic quality. There is no prior echocardiogram noted for this patient. The cardiac rhythm was tachycardic during the exam. The patient was in normal sinus rhythm during the exam.

Ventricular Function

The left ventricle is normal in size. There is normal left ventricular wall thickness. Left ventricular systolic function is normal. Left ventricular ejection fraction is 70% (+/- 5). A variety of Doppler measurements indicate normal left ventricular diastolic function.

The right ventricle is normal in size and function.

Atrial Description

The left and right atria are normal in size. There is no Doppler evidence for an interatrial shunt.

Valvular Function

The mitral valve is normal in structure and function. All four cardiac valves are normal in structure and function.

The aortic valve is normal in structure and function.

The tricuspid valve is normal in structure and function. There is a trace to mild amount of tricuspid regurgitation. Right ventricular systolic pressure is normal.

The pulmonic valve is normal in structure and function.

Great Vessels

1/29/14

The aortic root is normal size. The ascending aorta, aortic arch, and descending aorta are all normal in size and function. The IVC appears to collapse at least 50% or more and is normal in size which suggests normal central venous pressures.

Pericardium/Pleural Description

There is no pericardial effusion.

MMode/2D Measurements & Calculations

IVSd: 1.00 cm	RVDd: 2.0 cm	Ao root diam: 3.0 cm	asc Aorta Diam: 2.9 cm
LVPWd: 0.88 cm	LVIDd: 5.1 cm	LA dimension: 3.5 cm	
	LVIDs: 3.5 cm		

LVOT diam: 2.5 cm	LA vol: 63.9 ml
	LA vol index: 28.0 ml/m ²

Doppler Measurements & Calculations

MV E max vel: 89.3 cm/sec	Ao V2 max: 129.0 cm/sec	LV V1 max: 106.1 cm/sec	PA V2 max: 110.8 cm/sec
MV A max vel: 91.8 cm/sec	Ao max PG: 6.7 mmHg		PA max PG: 4.9 mmHg
MV E/A: 0.97	AVA(V,D): 4.0 cm ²		

Interpreted by: Matthew R Trojan, MD on 01/24/2014 08:29 AM

1/27/14
1/27
(14)