

**Dilated Cardiomyopathy in Non Compaction
Left Ventricle with Systolic Impaired Function
and Severe Functional Mitral Regurgitation:
Echocardiography and
Cardiac Magnetic Resonance Findings.
A case study**

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Case Study

This report describes the echocardiographic features and magnetic resonance imaging acquired in a 50-years-old sedentary and obese woman who presented to my office complained fatigue and dyspnea on exertion as he climbed the stairs attributed to a decline in physical form. An occasional chest x-ray chest performed for cervical pain showed a enlarged cardiac silhouette for which the patient underwent echocardiographic examination (see Figure 1-2). The examination showed a left ventricular globular shape and spherical morphology due marked dilatation with reduced systolic function, a severe functional mitral regurgitation, and a marked trabeculation of the side wall of the left ventricle. A subsequent Cardiac Magnetic Resonance (see video clips 3-4-5 and Figure 3-4) confirmed the diagnosis of dilated cardiomyopathy in non-compacted myocardium with severe reduction of global contractility and low ejection fraction (EF 30%) with preserved LV stroke volume at rest.

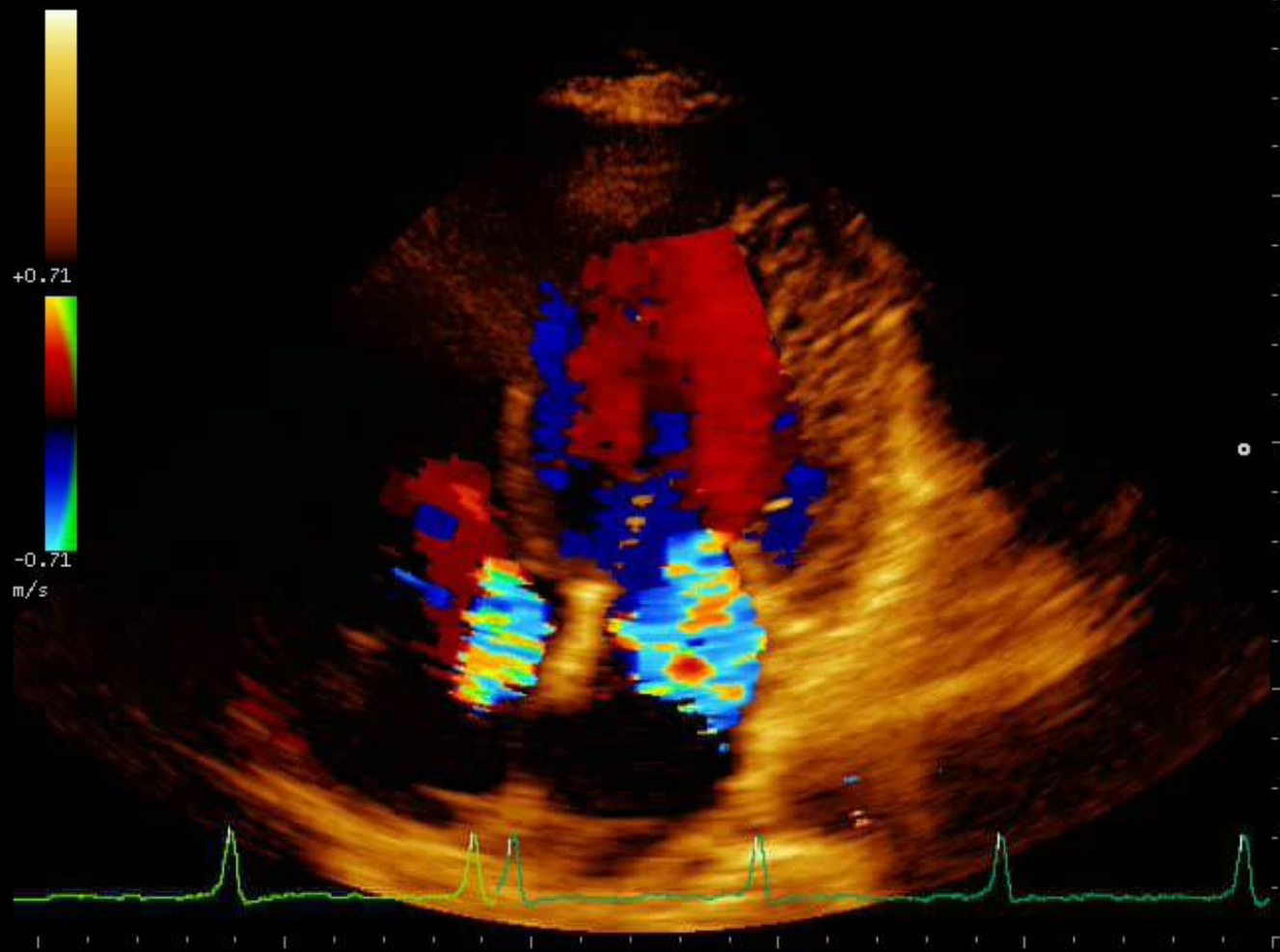
L-----

B	F	G	G	16%	CFM	F	2.0 MHz	G	40%
TEI	P	19 cm	XV	C		PRF	3.7kHz		
	PRC	7-3-A	PRS	2		PRC	2-B-A	PRS	3
	PST	2				FP	M		

0:00:00.58

CARDIOR PA240

FC 103

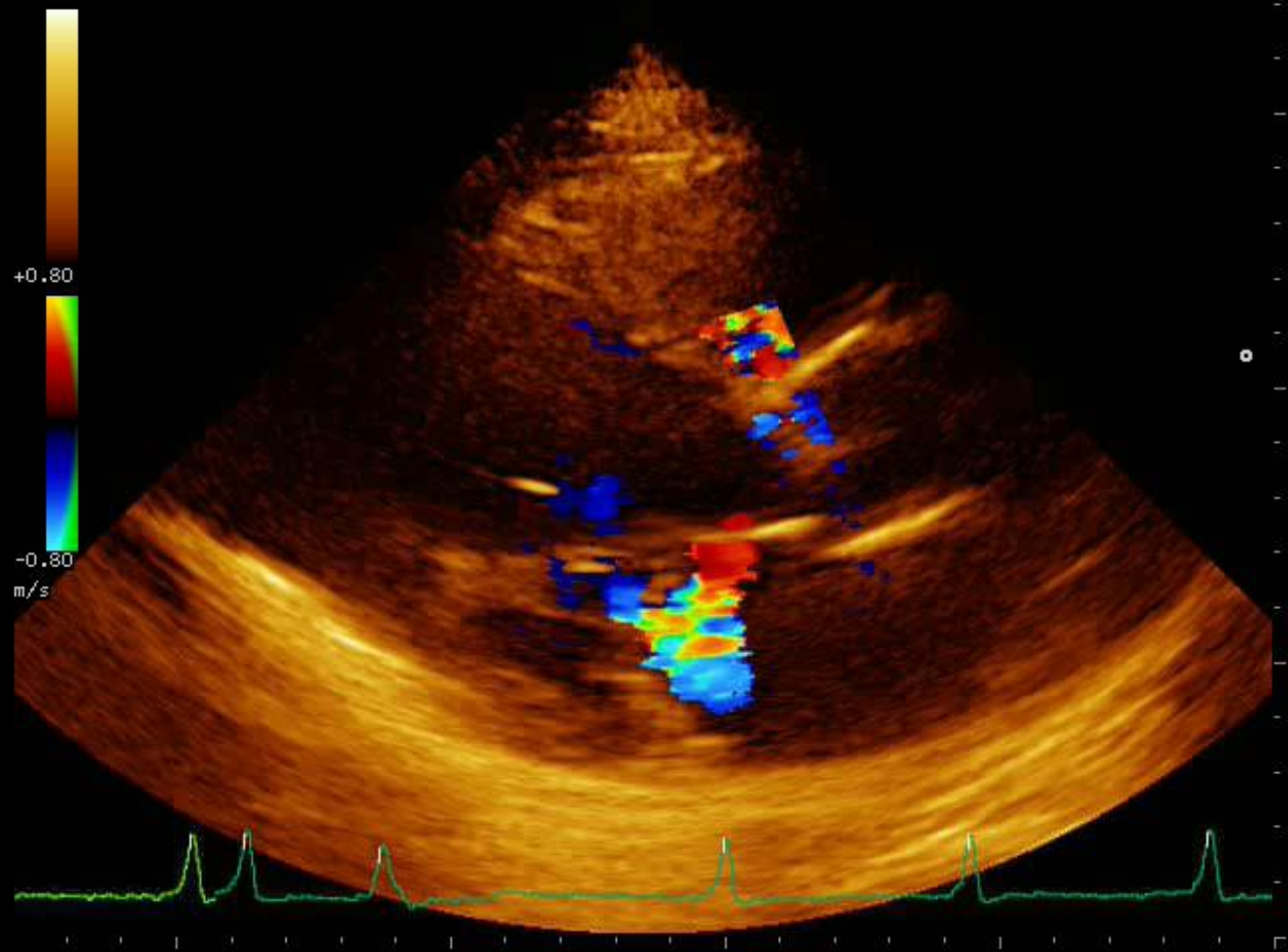


B F G G 37% CFM F 2.0 MHz G 40%
TEI P 17 cm XV C PRF 4.2kHz
PRC 7-3-A PRS 2 PRC 2-B-A PRS 3
PST 2 FP M

0:00:00.40

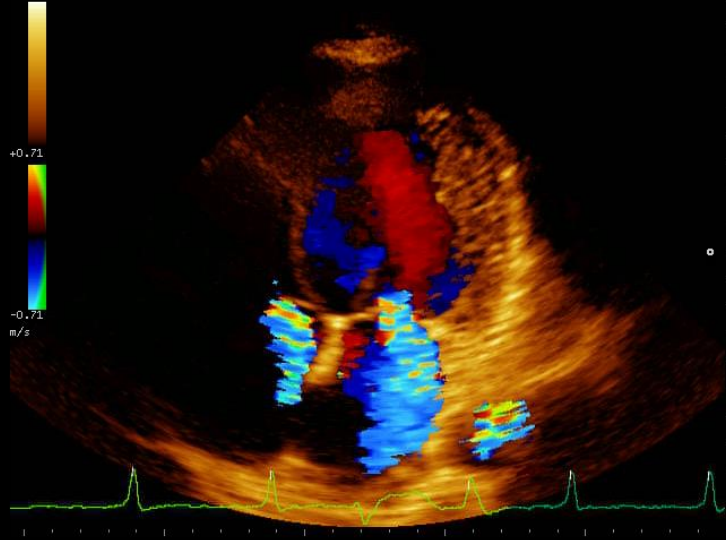
CARDIOR PA240

FC 94



B	F	G	16%	CFM	F	2.0 MHz	G	40%
TEI	P	19	cm	XV	C	PRF	3.7kHz	
	PRC	7-3-A	PRS	2	PRC	2-B-A	PRS	3
	PST	2			FP	M		

CARDIOR PA240



FC 93

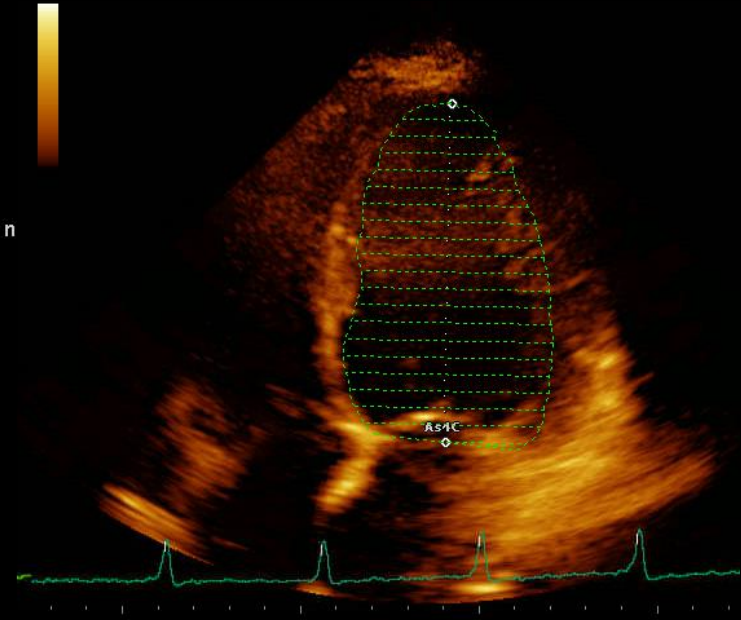
A

CARDIOR PA240

FE (SI-S)

Ad4C	57.32	cm ²
As4C	44.94	cm ²
VdVS	247.6	ml
VsVS	164.4	ml
FE	34	%
SV	83.3	ml
FC	103	bpm
CO	8.58	l/min

FC 103

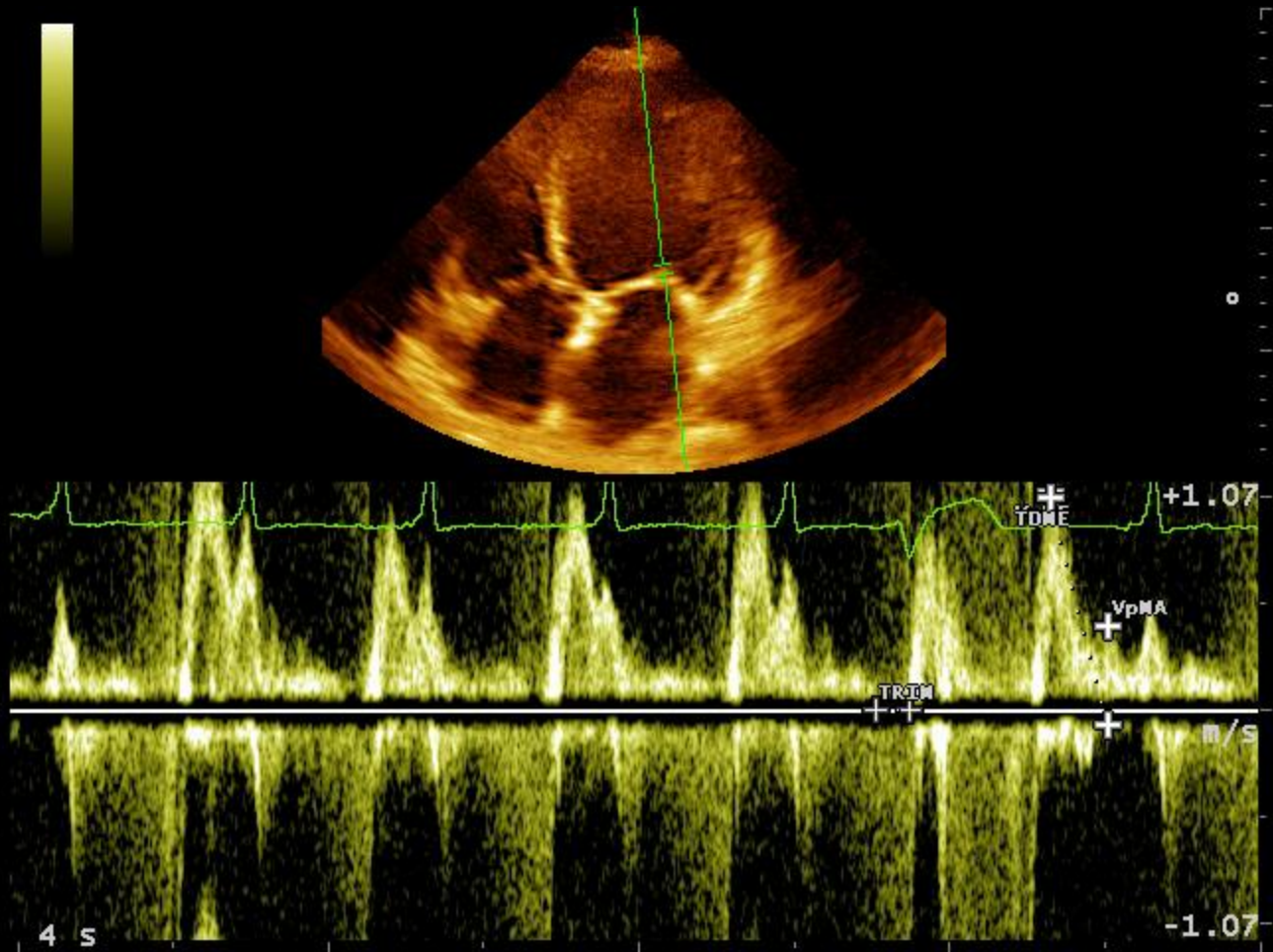


B

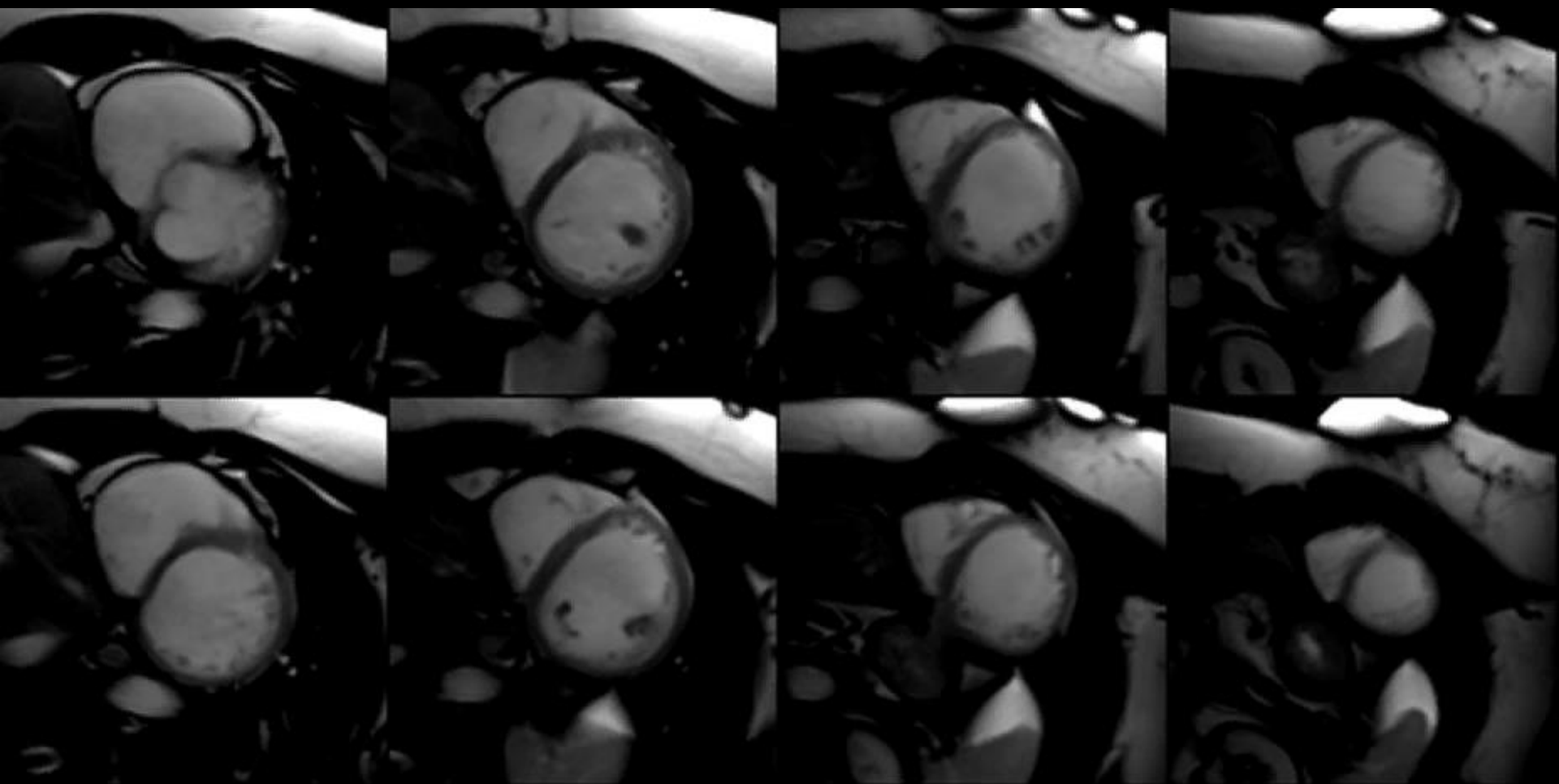
CARDIOR PA240

MITRALE

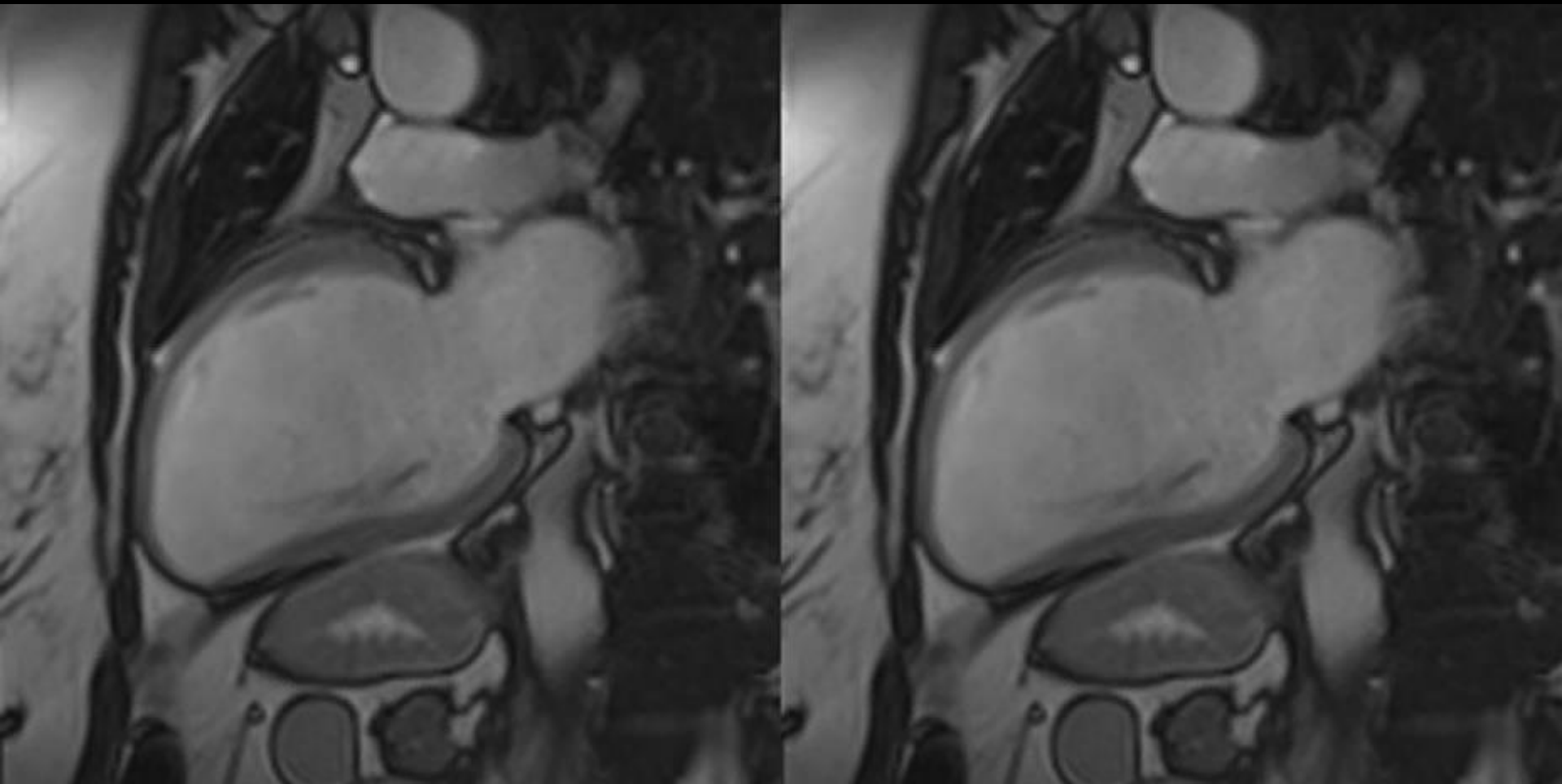
FVIM	---	m
VpME	1.02	m/s
VpMA	0.40	m/s
GpME	4.2	mmHg
GpMA	0.6	mmHg
VmM	---	m/s
GmM	---	mmHg
PHTM	---	ms
AVM	---	cm ²
E/A	2.58	
TAME	---	ms
TDME	184	ms
TRIM	108	ms
TISM	---	ms
DURA	---	ms
TE	---	ms



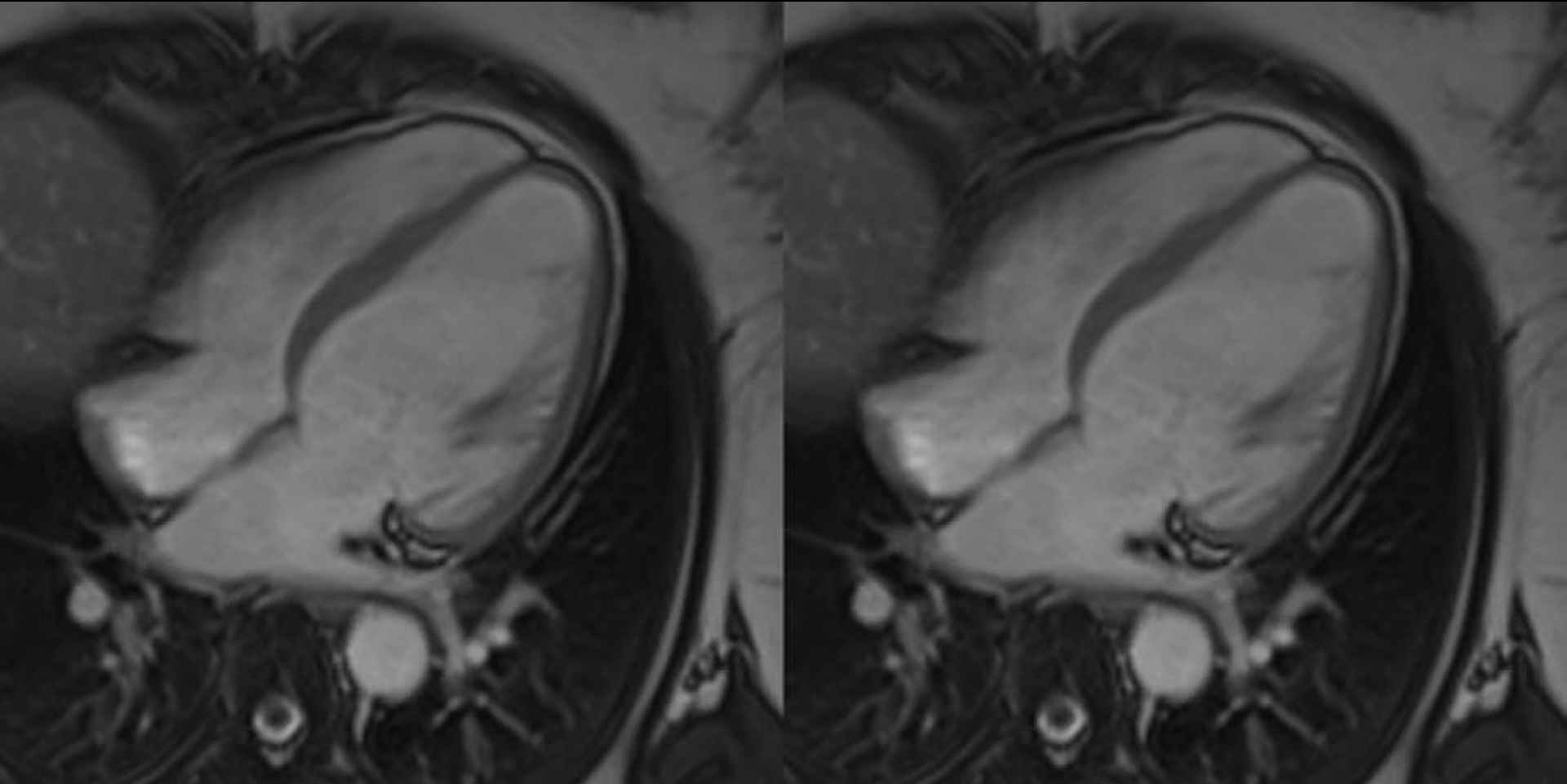
Cine SAX



Cine RAO



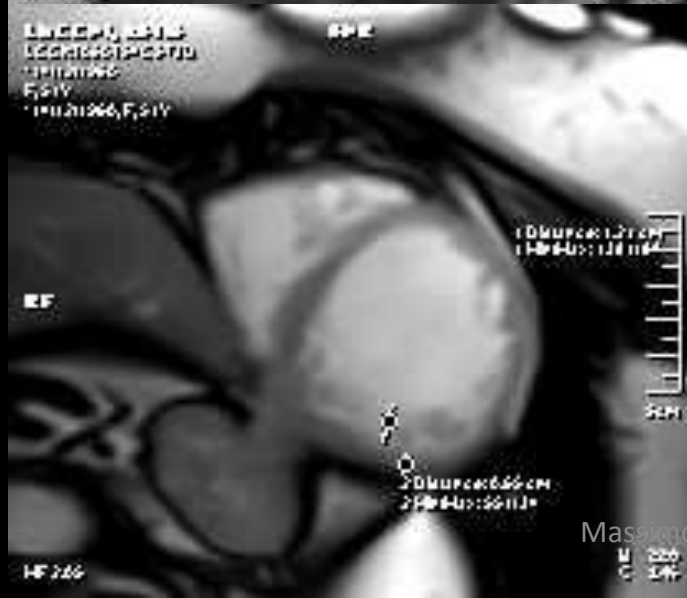
Cine 4CH



14mm
7mm



17mm
8mm



12mm
7mm

10mm
10mm

LiCCP-I, IsTm
LCCRT646T9=CSTID
1111211266
F,51Y
1111211266,F,51Y

AFI

EP



HF1ST

M 1167
C 597