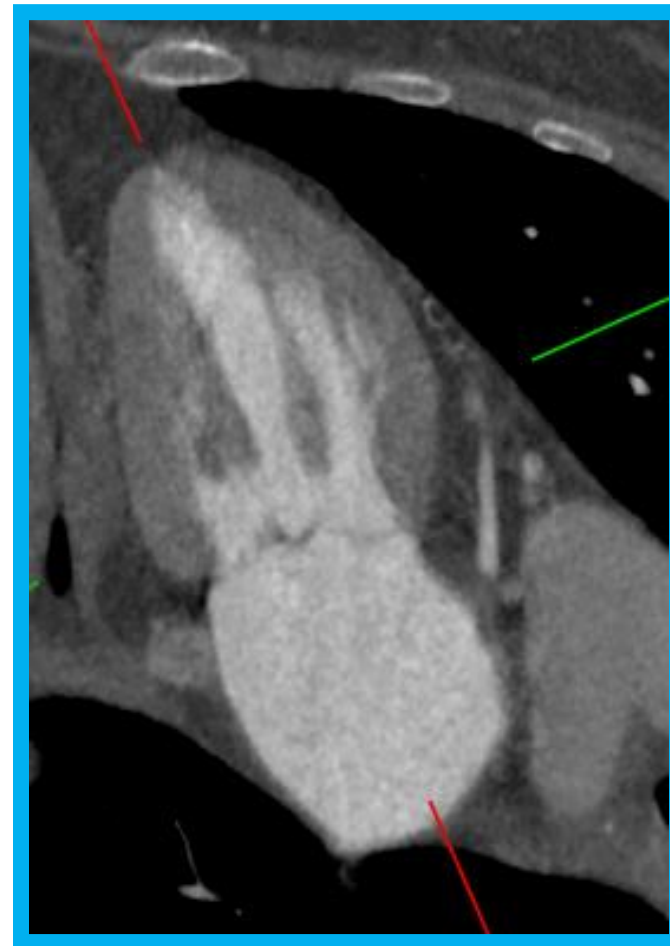
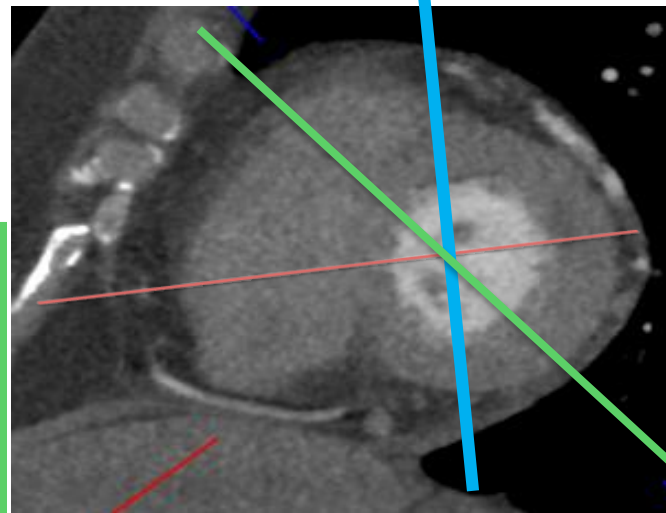
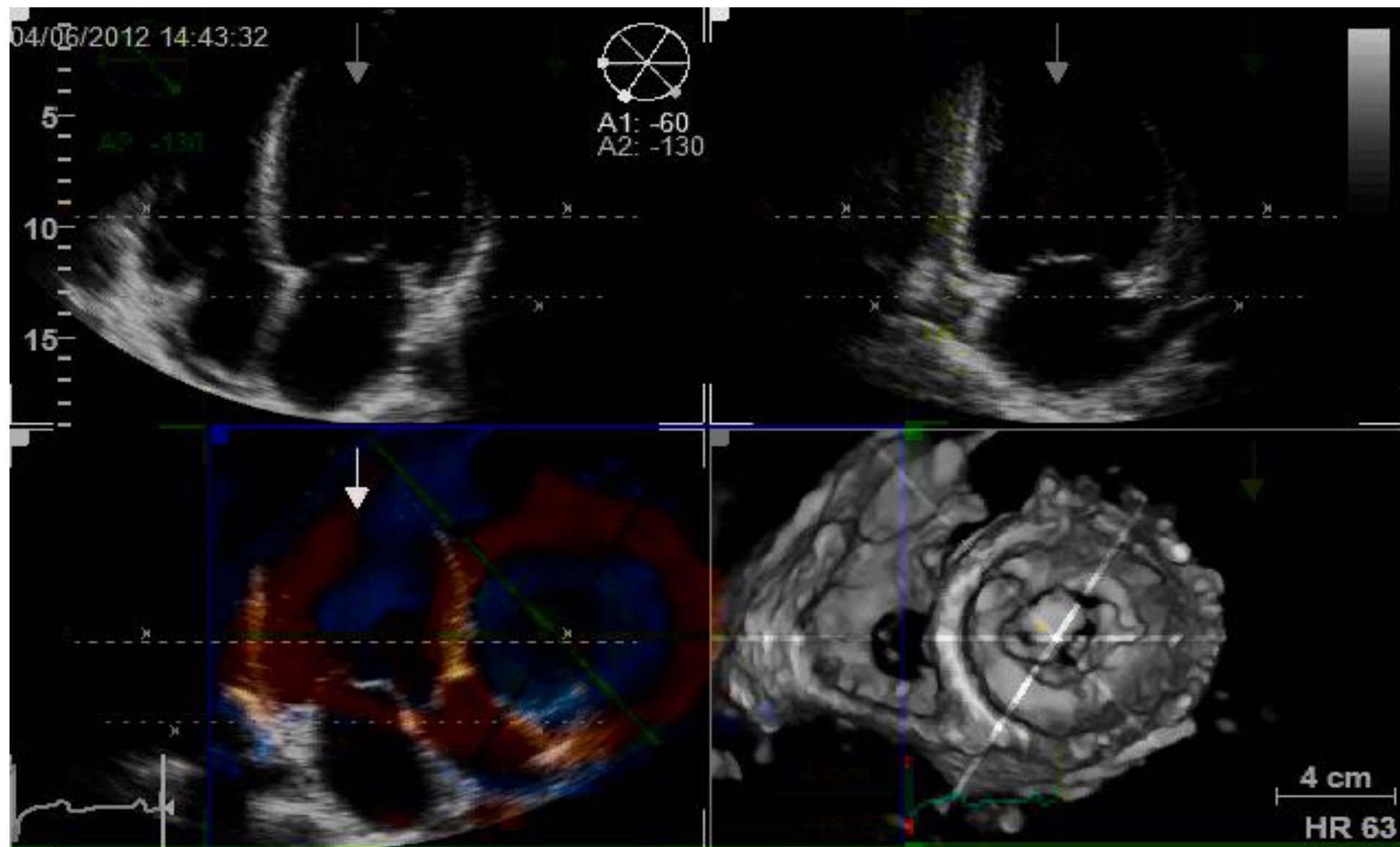


# Stress Echo Cases

**Gerard P. Aurigemma MD, FASE, FAHA, FACC**



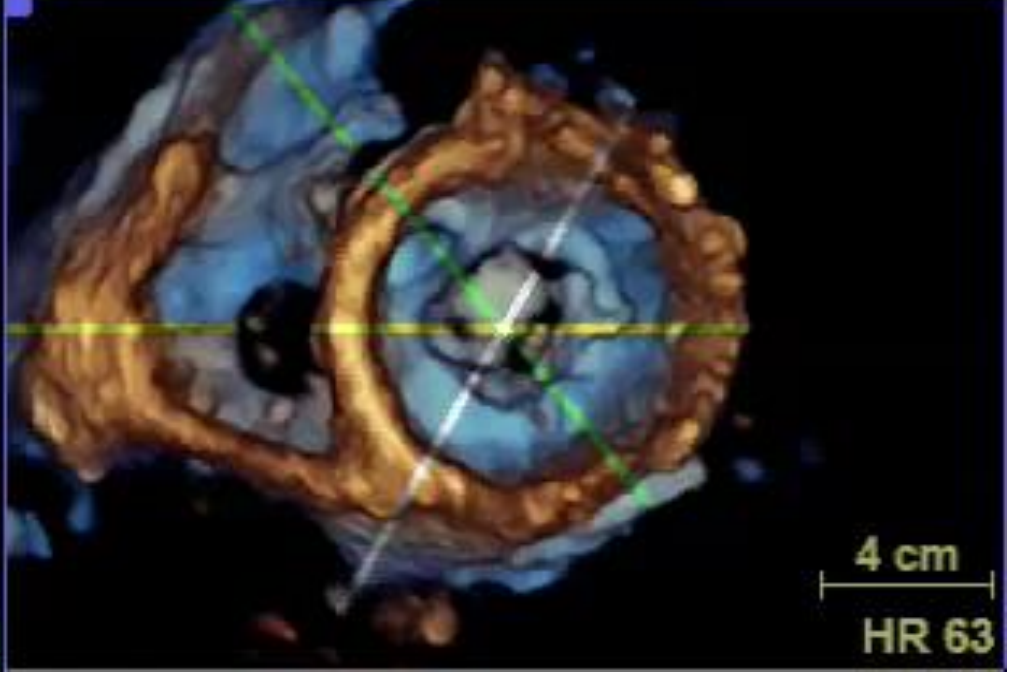
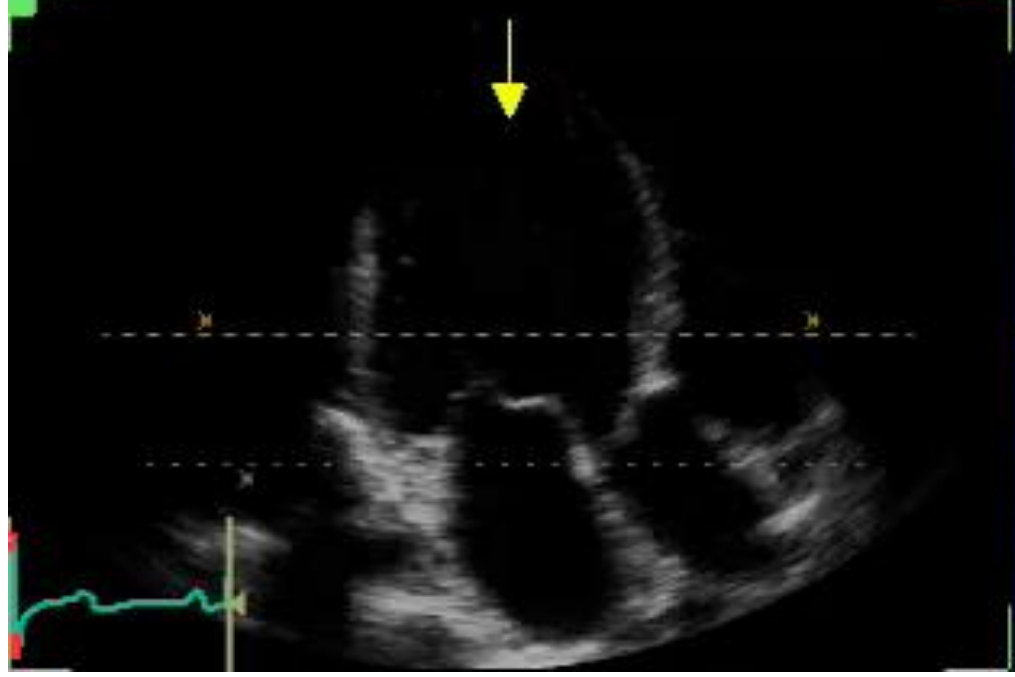
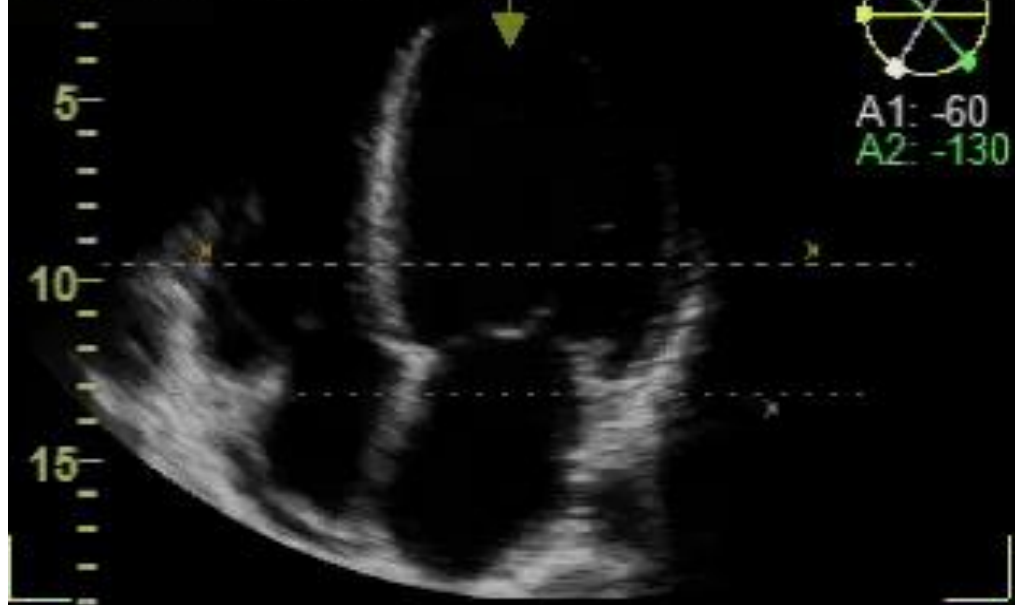




04/06/2012 14:43:32



A1: -60  
A2: -130



# Len A: 82 year old man with minimal symptoms



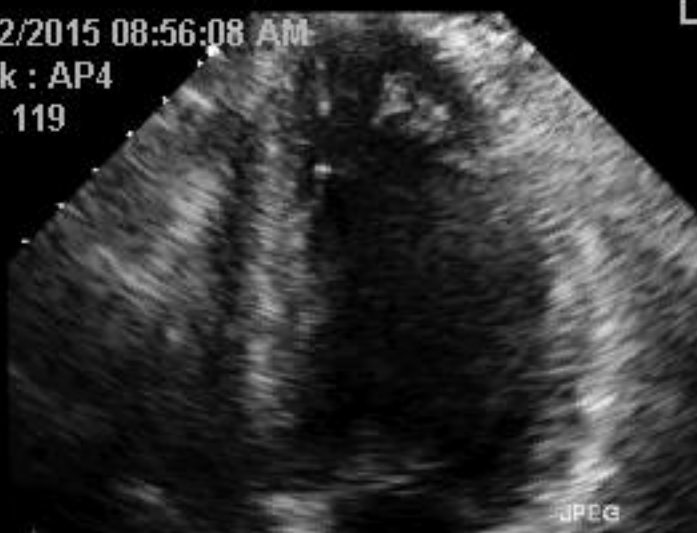
04/02/2015 08:08:32 AM  
HR : 76



04/02/2015 08:50:02 AM  
Low : AP4  
HR : 86



04/02/2015 08:56:08 AM  
Peak : AP4  
HR : 119



04/02/2015 09:01:54 AM  
Post : AP4  
HR : 109



04/02/2015 08:09:17 AM  
HR : 63



04/02/2015 08:50:29 AM  
Low : AP2  
HR : 87



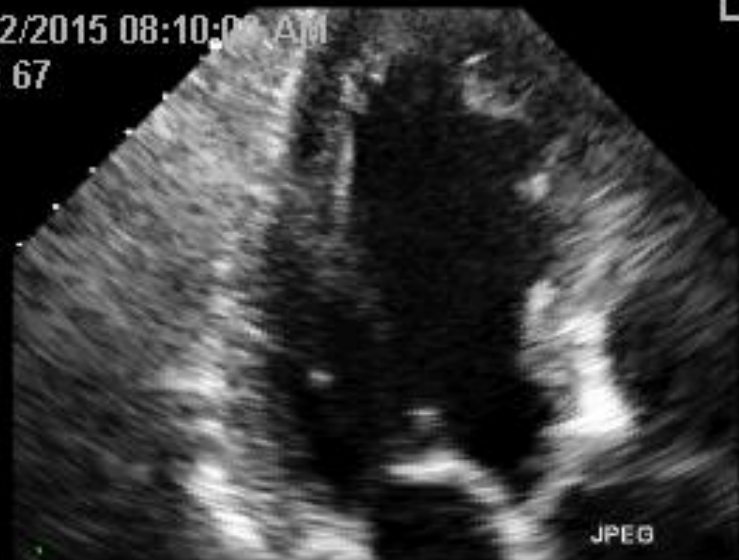
04/02/2015 08:56:19 AM  
Peak : AP2  
HR : 121



04/02/2015 09:02:14 AM  
Post : AP2  
HR : 96



04/02/2015 08:10:00 AM  
HR : 67



04/02/2015 08:50:42 AM  
Low : AP3  
HR : 86



04/02/2015 08:56:30 AM  
Peak : AP3  
HR : 121



04/02/2015 09:03:00 AM  
Post : AP3  
HR : 108



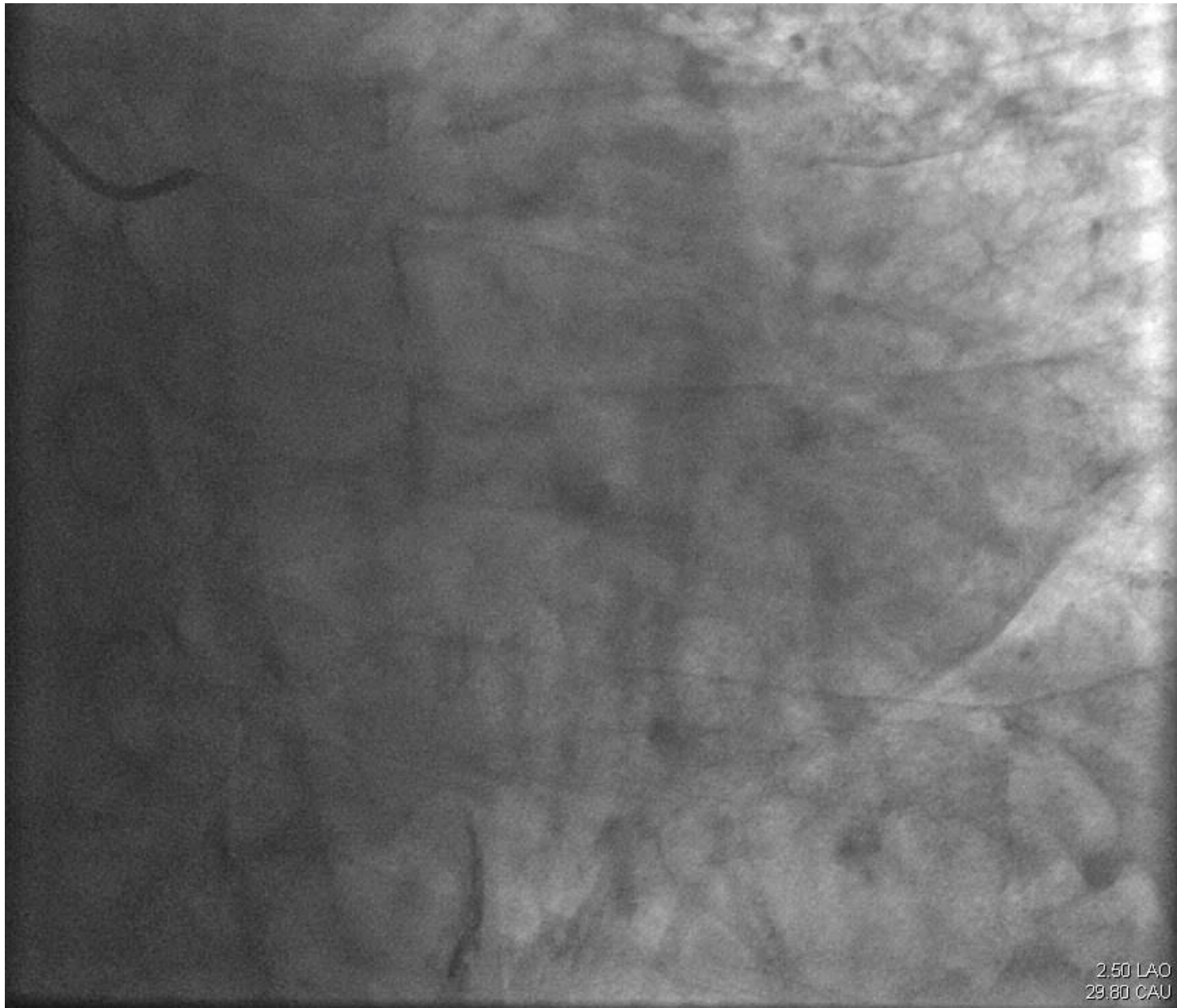


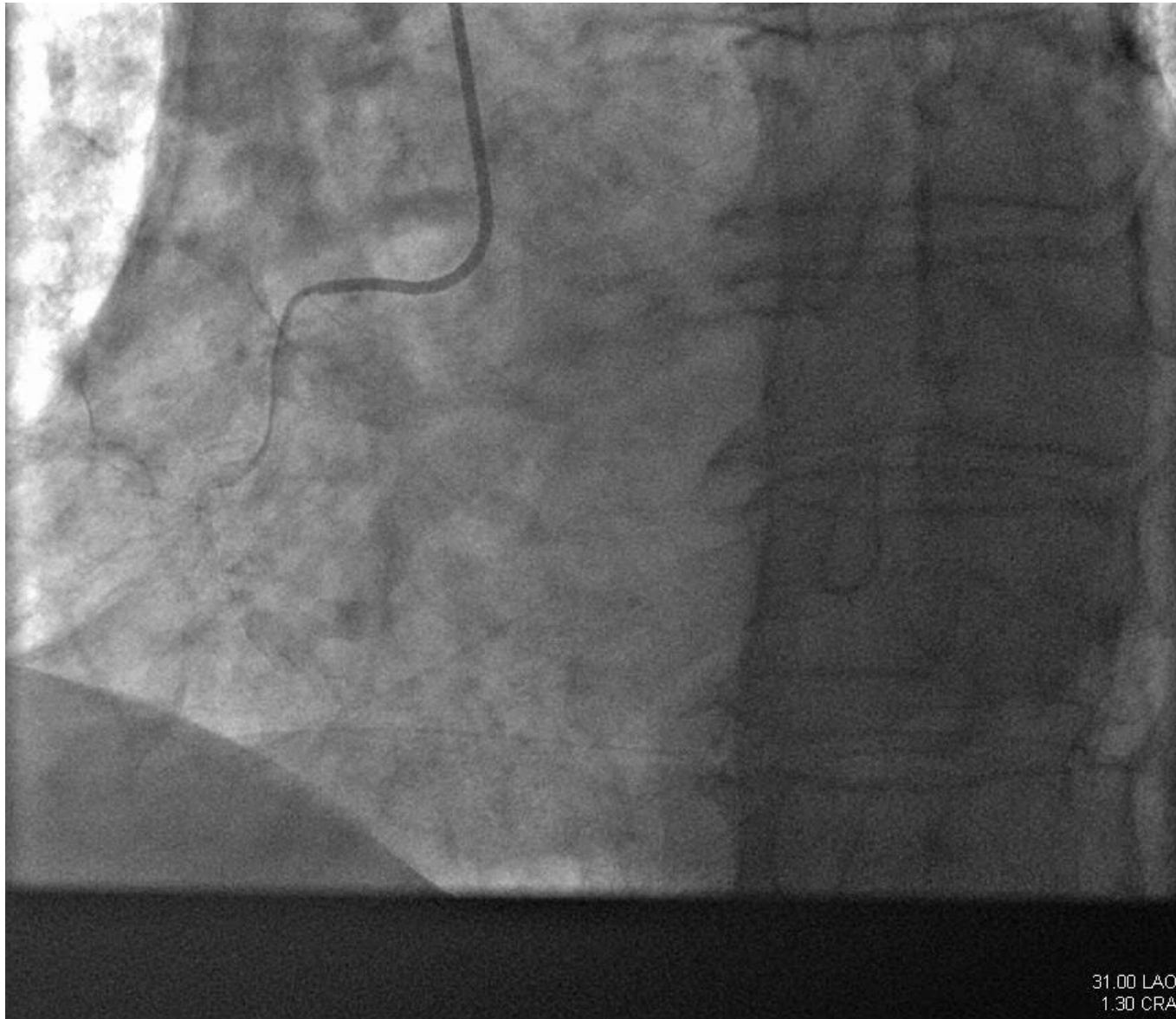
# Your Diagnosis

- 1. Normal**
- 2. Prior LAD MI, no ischemia**
- 3. LAD ischemia**
- 4. Multivessel CAD**



2.50 LAO  
29.80 CAU

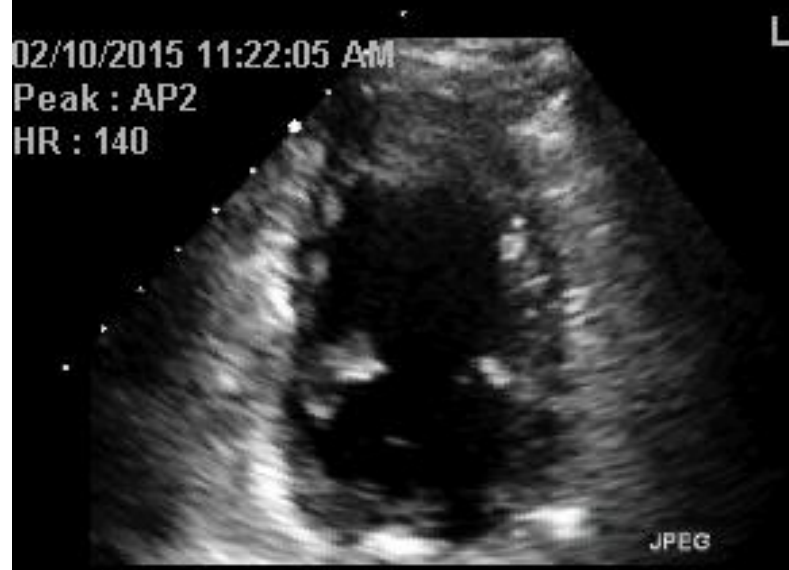


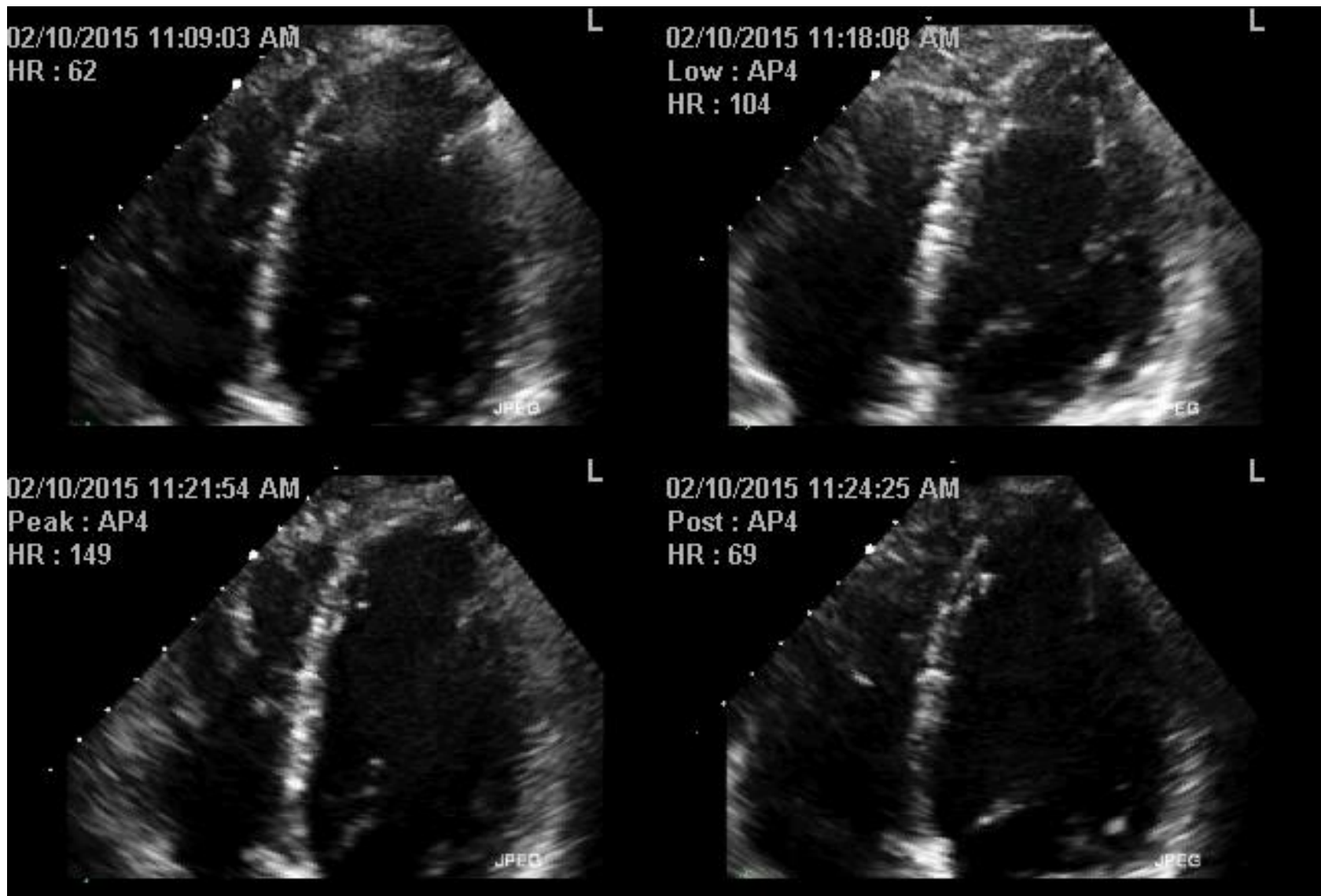


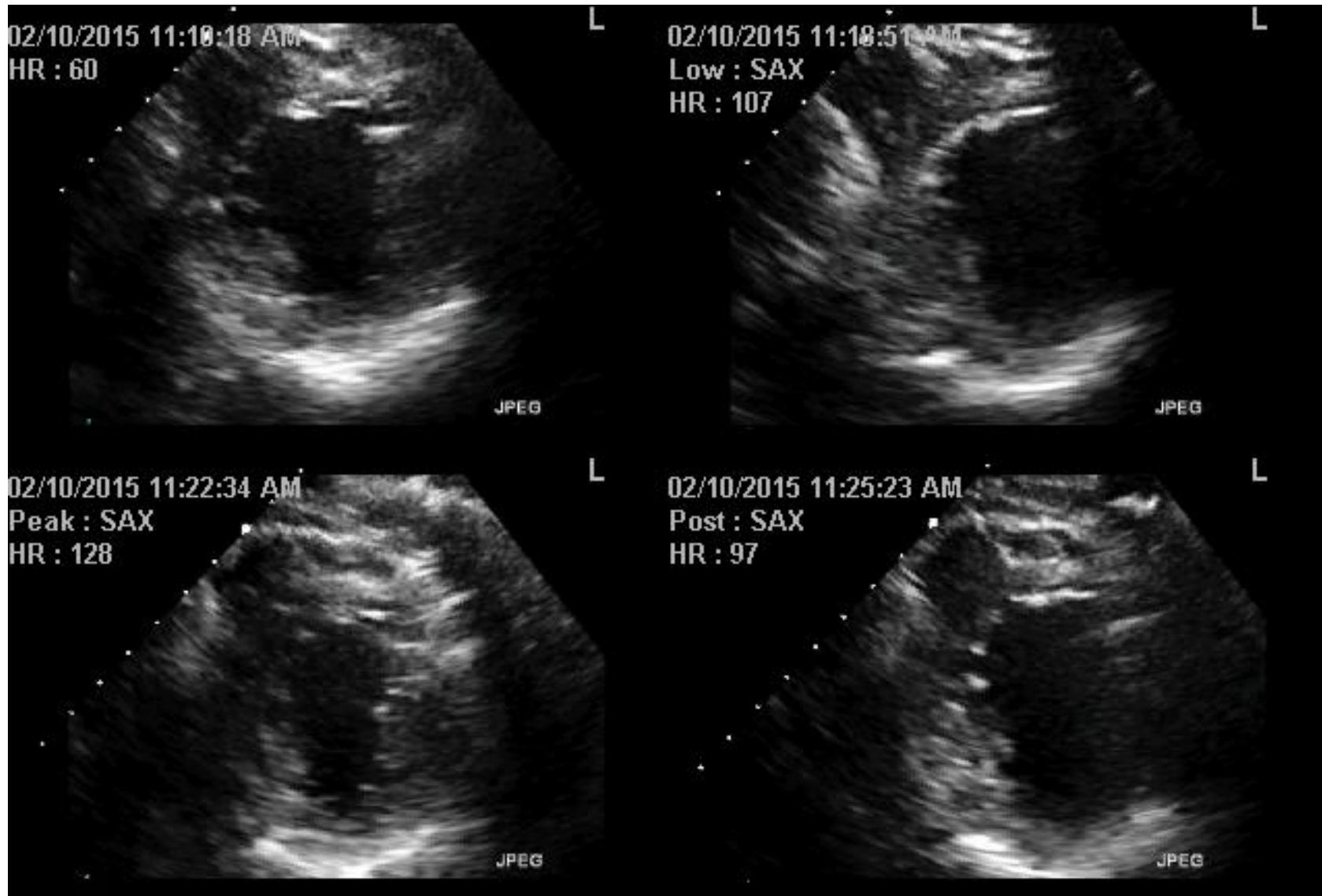
# KE

- **48 year old**
- **Evaluation for liver transplantation**
- **Heavy smoker**
- **COPD**
- **No cardiac history**











# Your Diagnosis

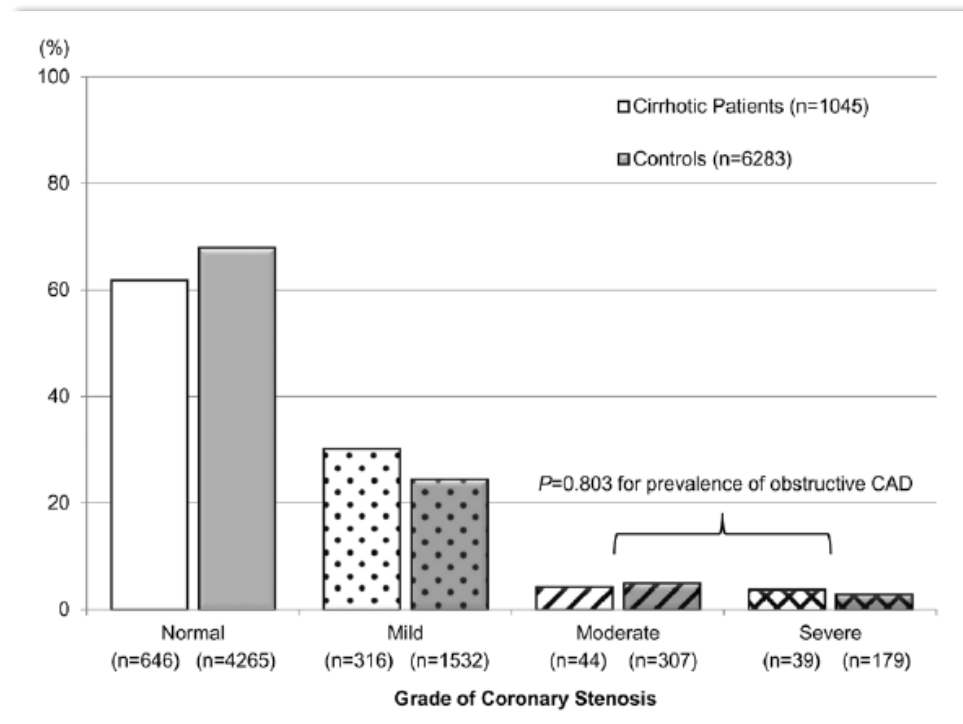
- 1. Normal**
- 2. Non ischemic CM**
- 3. RCA ischemia**
- 4. Multivessel CAD**



# Prevalence and Prediction of Coronary Artery Disease in Patients With Liver Cirrhosis

## A Registry-Based Matched Case–Control Study

Jihyun An, MD; Ju Hyun Shim, MD, PhD; Seon-Ok Kim, MS; Danbi Lee, MD, PhD;  
Kang Mo Kim, MD, PhD; Young-Suk Lim, MD, PhD; Han Chu Lee, MD, PhD;  
Young-Hwa Chung, MD, PhD; Yung Sang Lee, MD, PhD



**Conclusions**—Asymptomatic cirrhotic patients and nonhepatic subjects are similar in terms of the prevalence of occult obstructive CAD. Traditional cardiovascular risk factors are related to critical coronary stenosis in cirrhotic patients, and thus may be helpful indicators for more careful preoperative evaluation of coronary risk. (*Circulation*. 2014;130:1353-1362.)

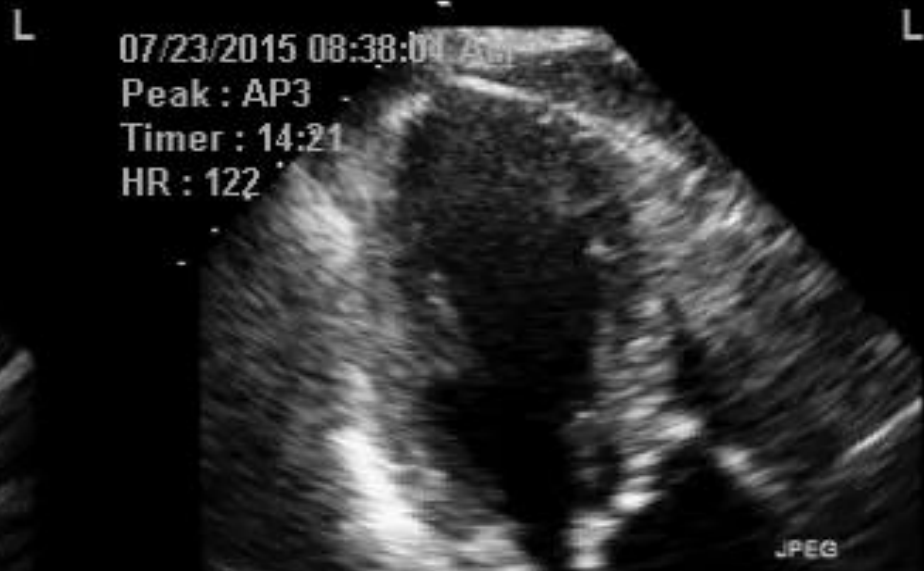
**Case :**

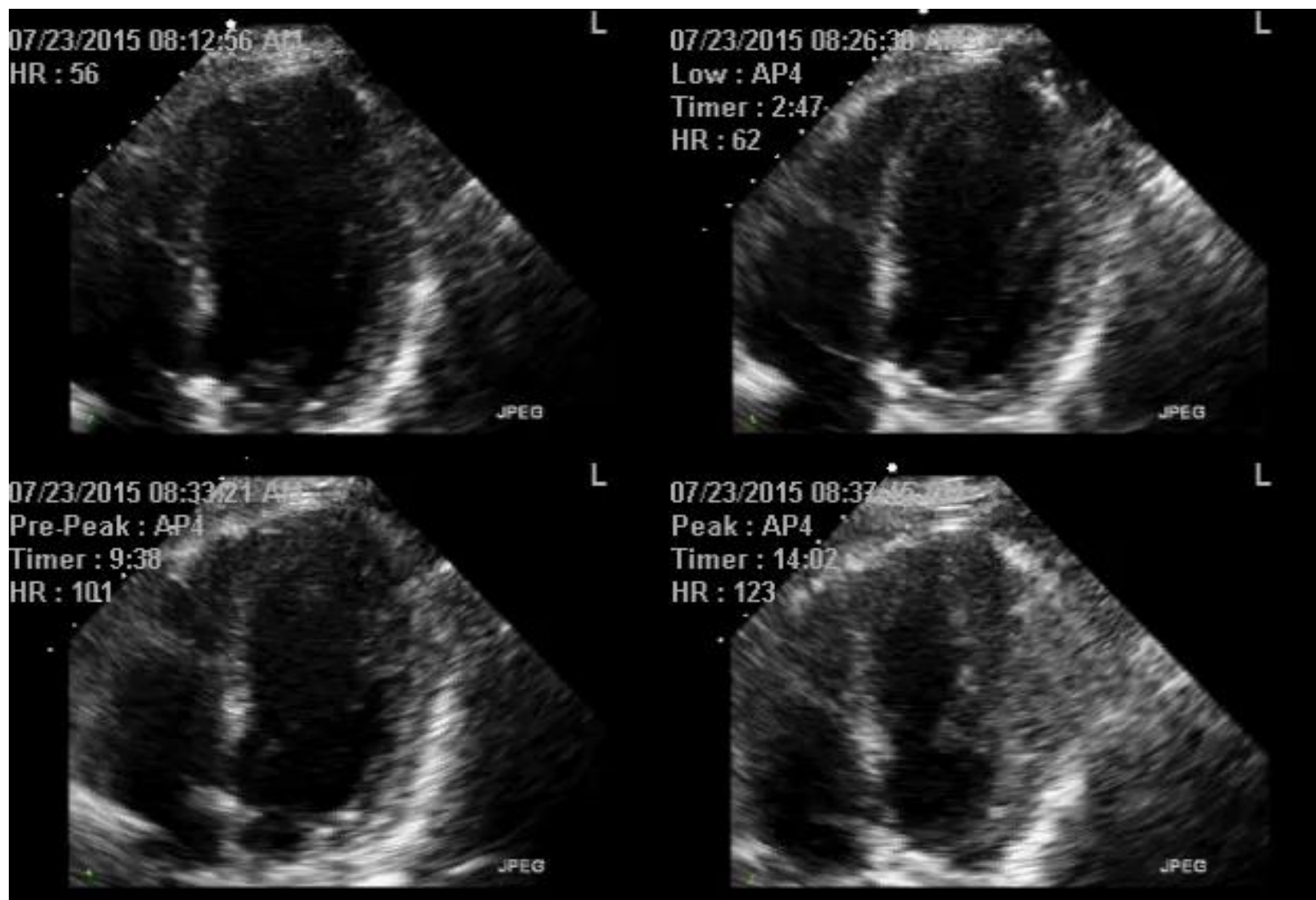
**59 year old man**

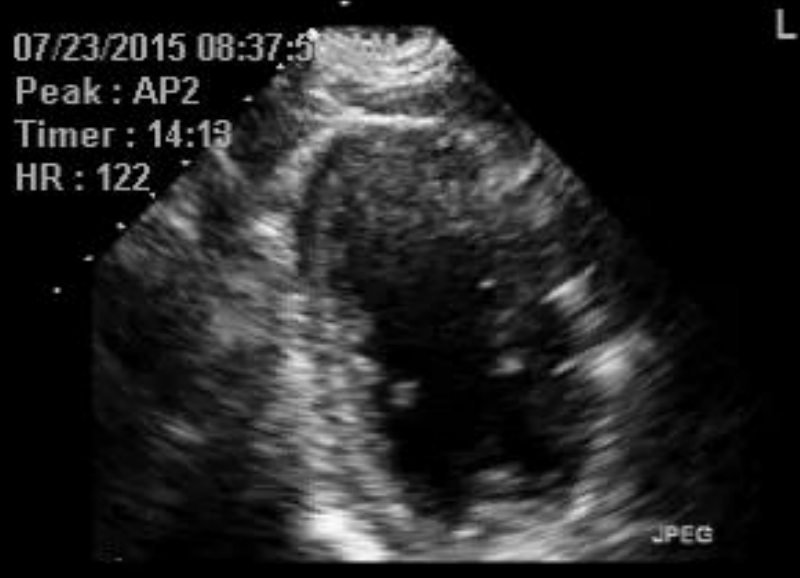
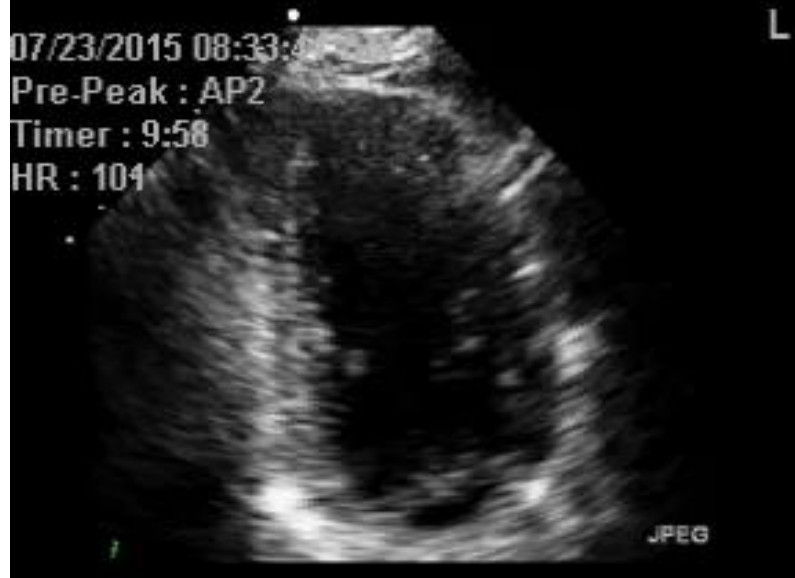
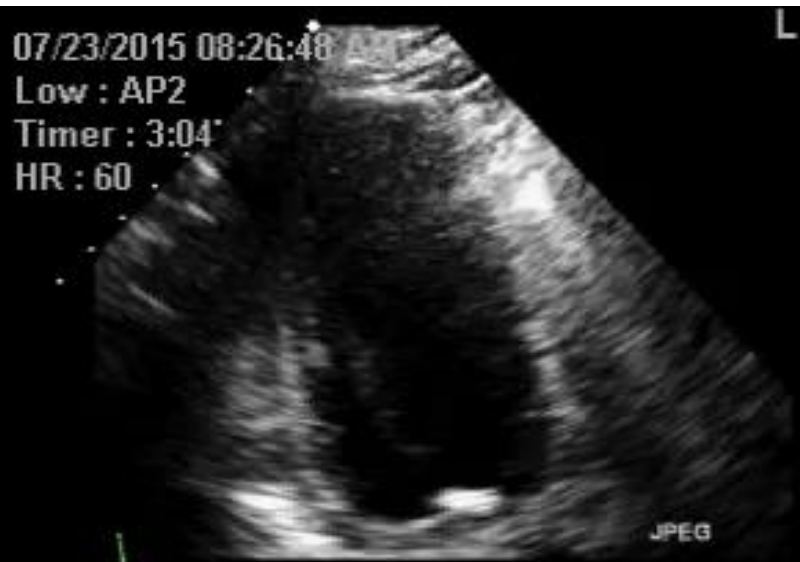
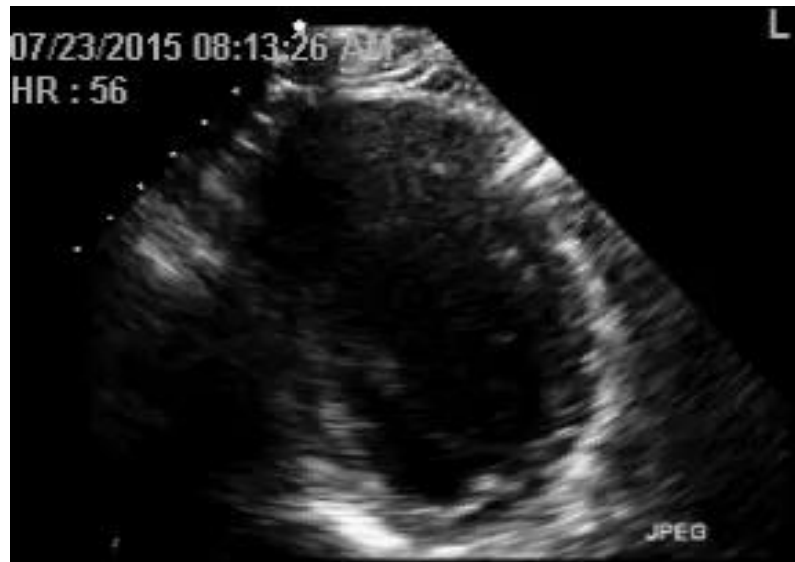
**Chest pain syndrome**

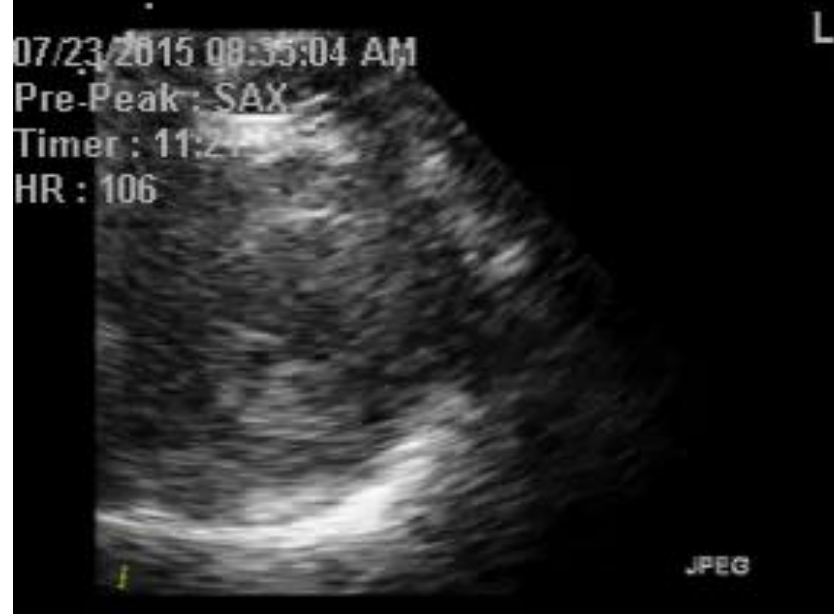
**Orthopedic injury**

**Undergoes DSE**







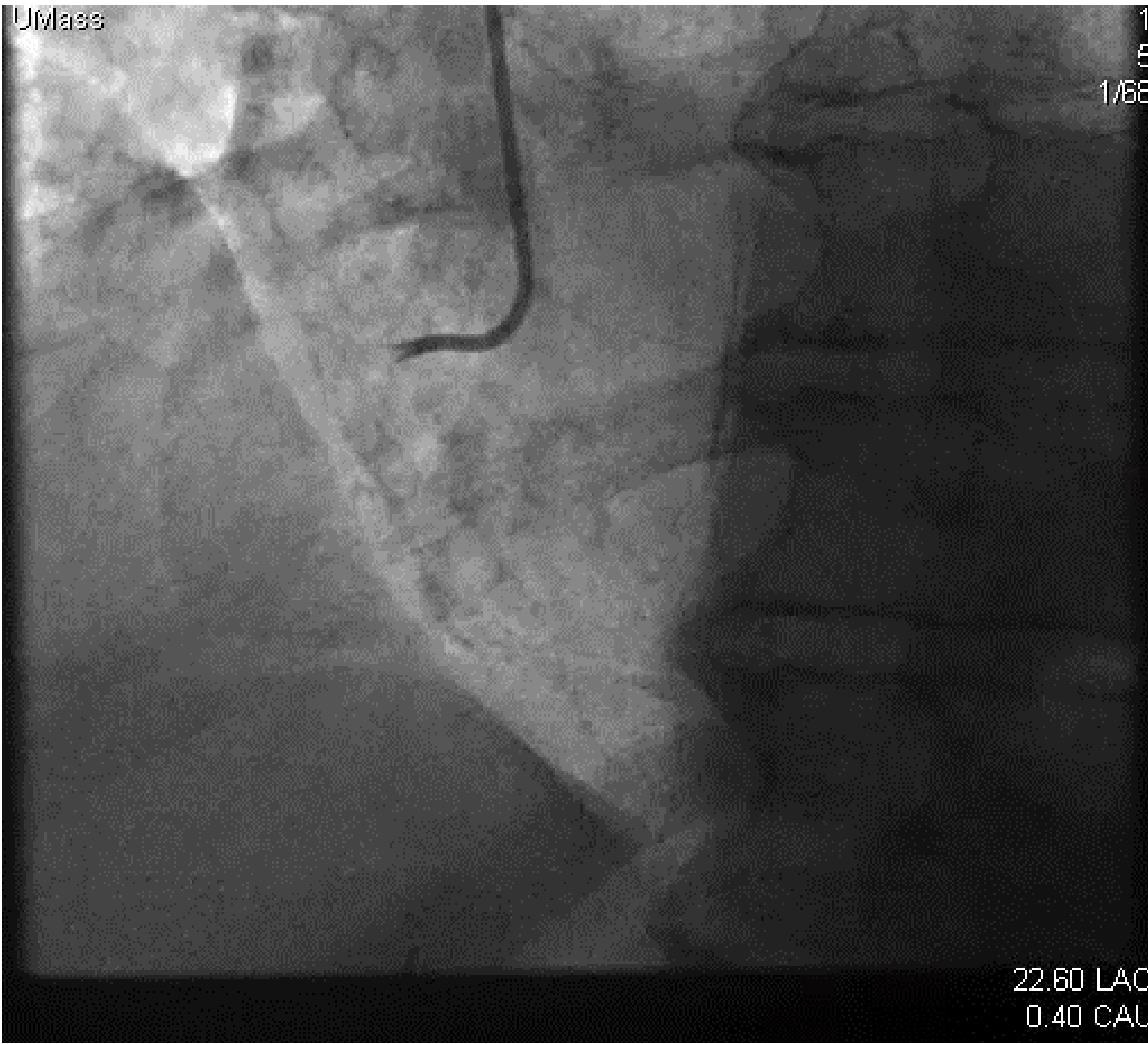






Umass

1  
1/68



22.60 LAC  
0.40 CAU

# TR 50 year old man

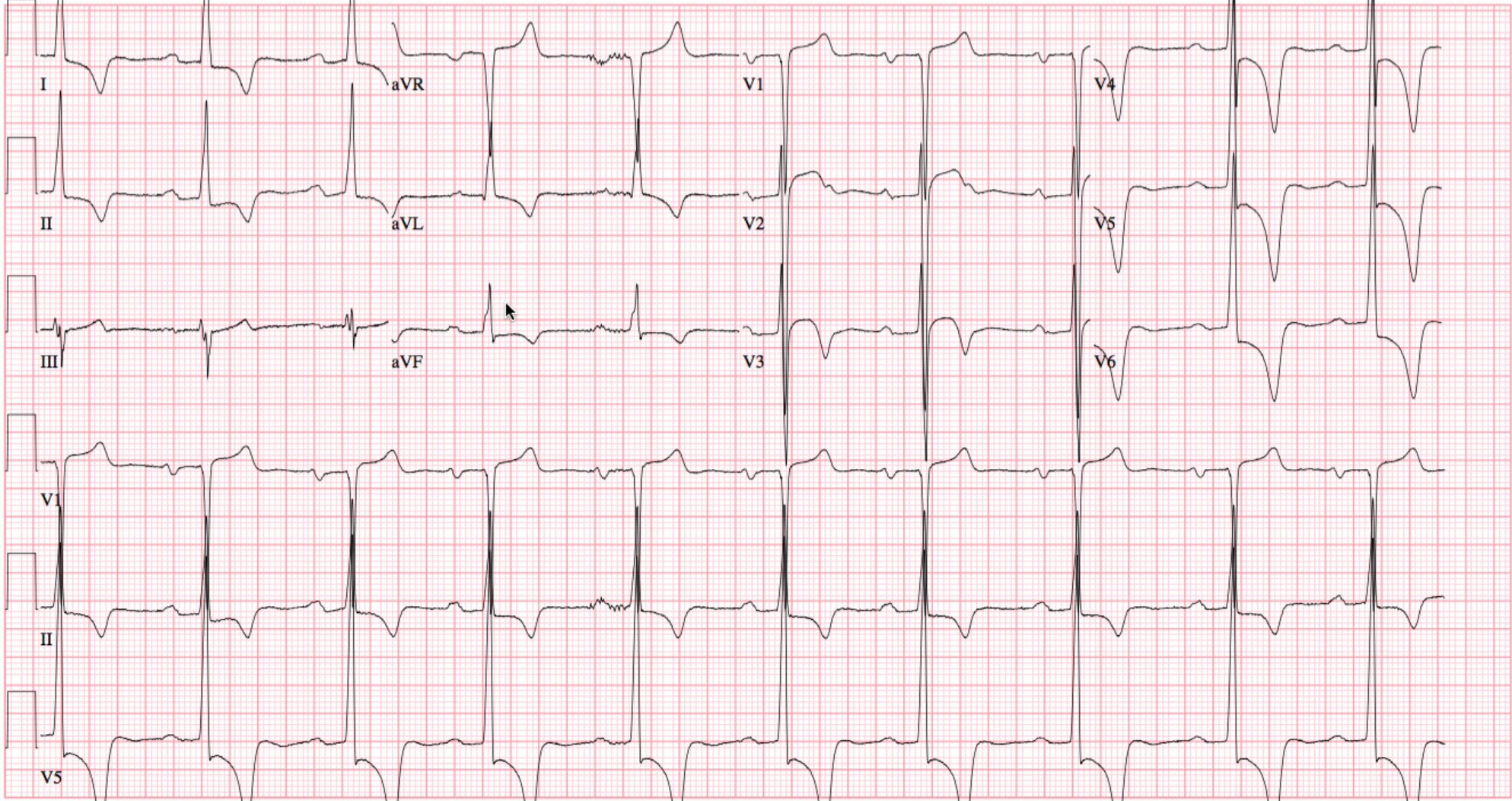


- Police officer Works out regularly
- No personal or family history of heart disease
- Has hypertension
- Had syncope after being struck in solar plexus during full court basketball game

MD ORDERS:

Referred by: Has no PCP or Ref Patient

Confirmed By: TIMOTHY FITZGIBBONS, MD



# TR 50 year old man



- Exercises 12:33 min
- BP systolic 250 mm Hg
- HR 130
- Asymptomatic
- Wonders why we stopped the treadmill

08/04/2015 10:05:10 AM  
HR : 55



08/04/2015 10:31:34 AM  
Impost : AP 3  
Timer : 0:18  
HR : 104



08/04/2015 10:05:32 AM  
Rest : SAX  
HR : 55



08/04/2015 10:31:45 AM  
Impost : SAX  
Timer : 0:29  
HR : 97



08/04/2015 10:04:25 AM

Rest : AP4

HR : 60



08/04/2015 10:31:16 AM

Impost : AP4

Timer : 0:00

HR : 122



08/04/2015 10:04:52 AM

HR : 56



08/04/2015 10:31:25 AM

Impost : AP2

Timer : 0:09

HR : 110



# Ernestine, 66 year old woman



- Retired phone company employee
- Artist
- Bipolar
- Heavy smoker, quit 2 years ago
- No car, so walks a lot
- Noted exertional dyspnea







# This stress echo shows

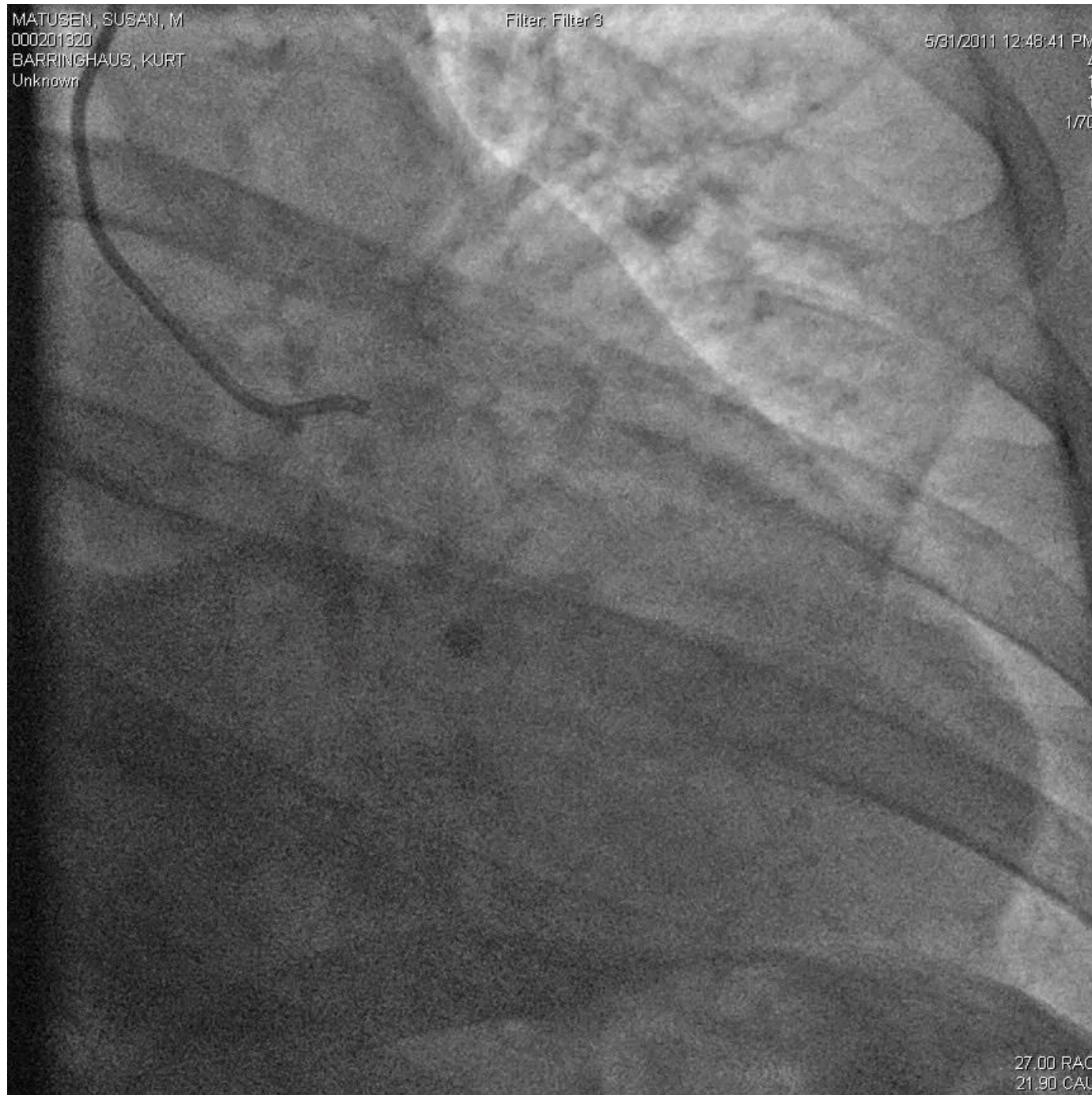


- LAD Infarction,  
no ischemia
- RCA Infarction,  
LAD ischemia
- LAD ischemia
- Multivessel CAD

MATUSEN, SUSAN, M  
000201920  
BARRINGHAUS, KURT  
Unknown

Filter: Filter 3

5/31/2011 12:48:41 PM  
4  
1  
1  
1/70



07/24/2014 10:14:32 AM  
HR : 68



07/24/2014 10:39:01 AM  
Impost : AP4  
Timer : 0:20  
HR : 134



07/24/2014 10:15:07 AM  
Rest : AP2  
HR : 68



07/24/2014 10:39:04 AM  
Impost : AP2  
Timer : 0:24  
HR : 132



07/24/2014 10:16:09 AM  
HR : 70



07/24/2014 10:39:32 AM  
Impost : LAX  
Timer : 0:51  
HR : 118



07/24/2014 10:17:07 AM  
Rest : SAX  
HR : 72



07/24/2014 10:40:01 AM  
Impost : SAX  
Timer : 1:20  
HR : 105

