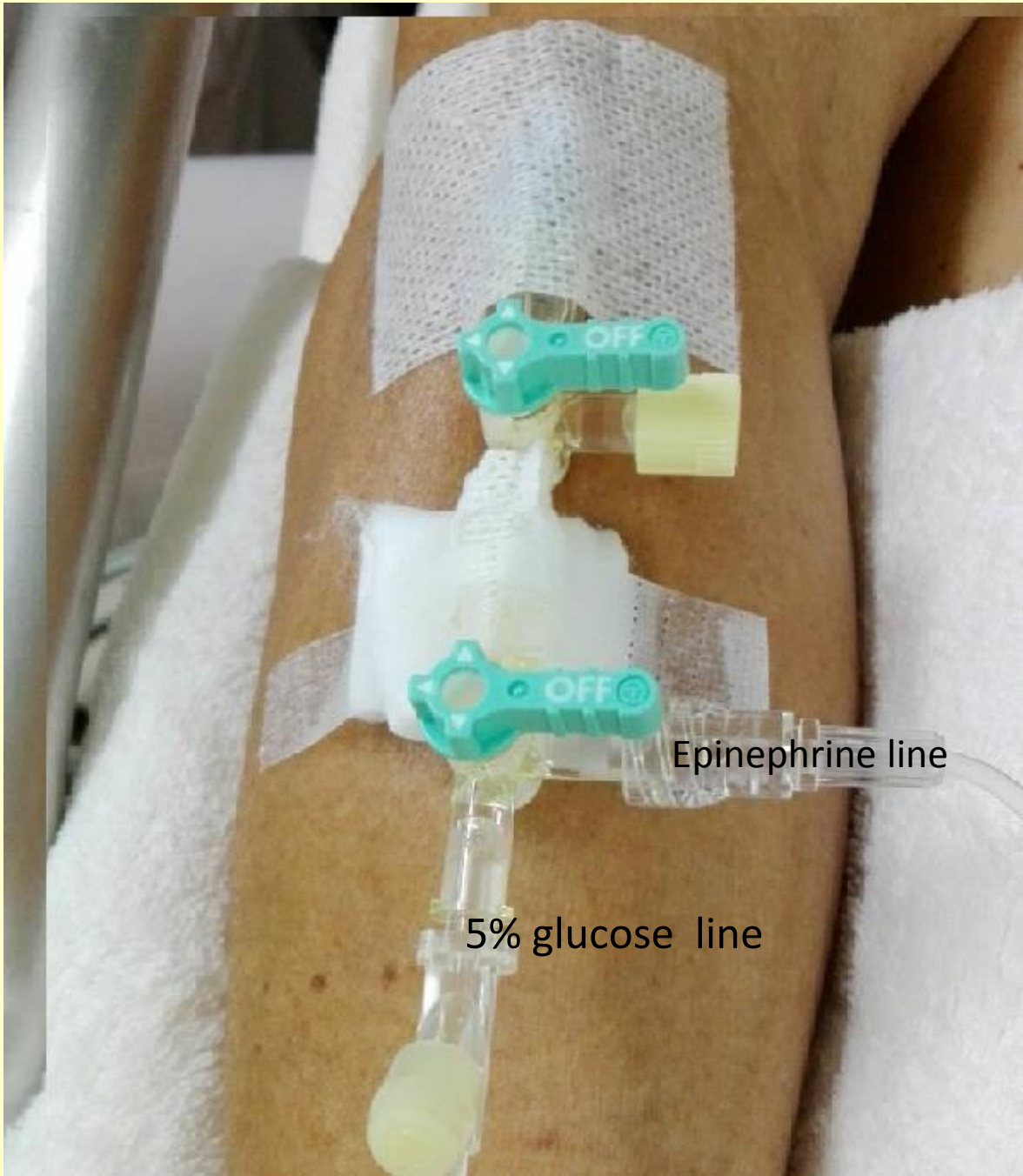


Stress 3D Myocardial Contrast Echocardiography using Sonazoid® is More Reliable at Detecting Myocardial Ischemic Areas than Other Echocardiographycal Methods

Ri-ichiro Kakihara, M.D., Chinatsu Naruse, Aimi Inayoshi

Department of Cardiology, Private Kakihara Clinic、 Japan



Epinephrine line

5% glucose line

System :

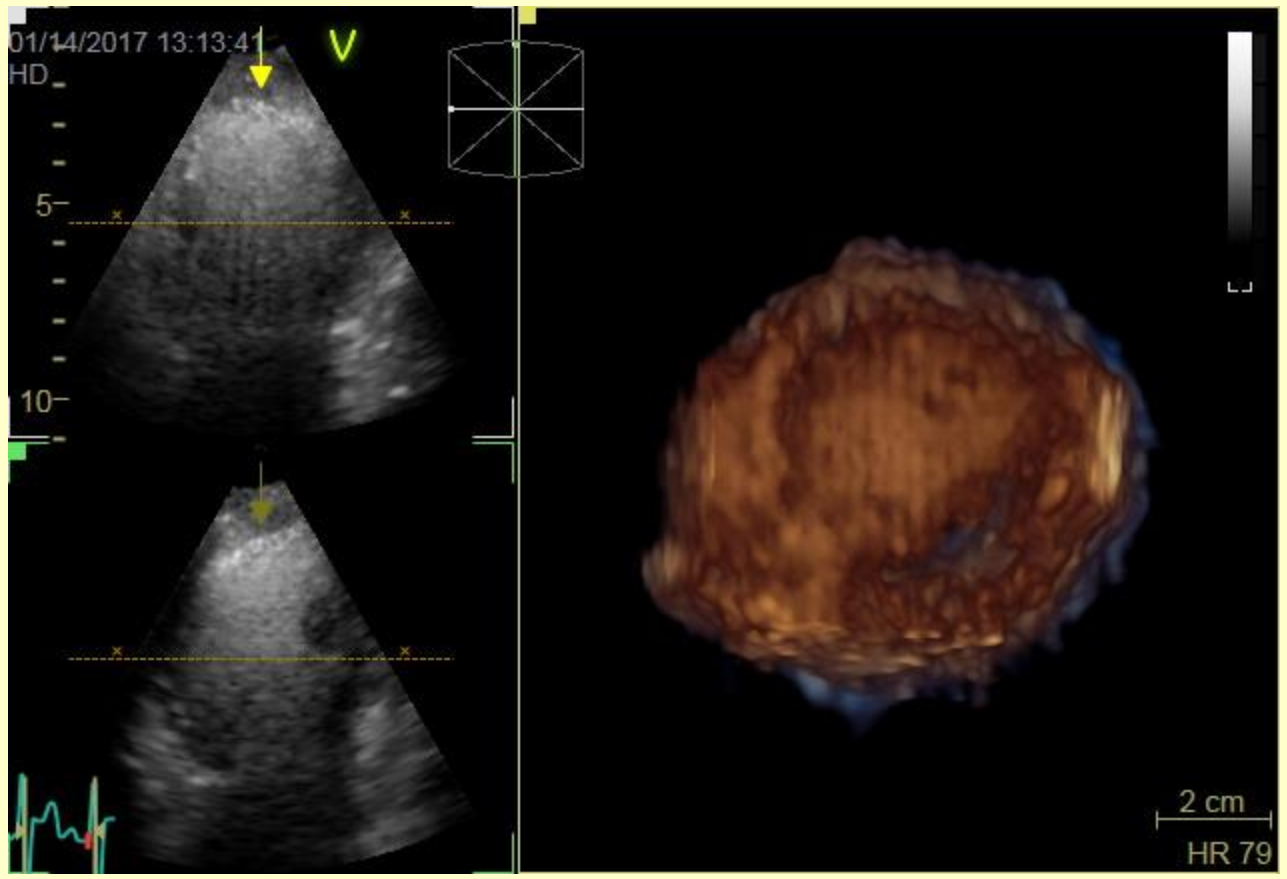
GE Vivid E95 v 201 with
4V-D probe (1.5~4.0
MHZ)

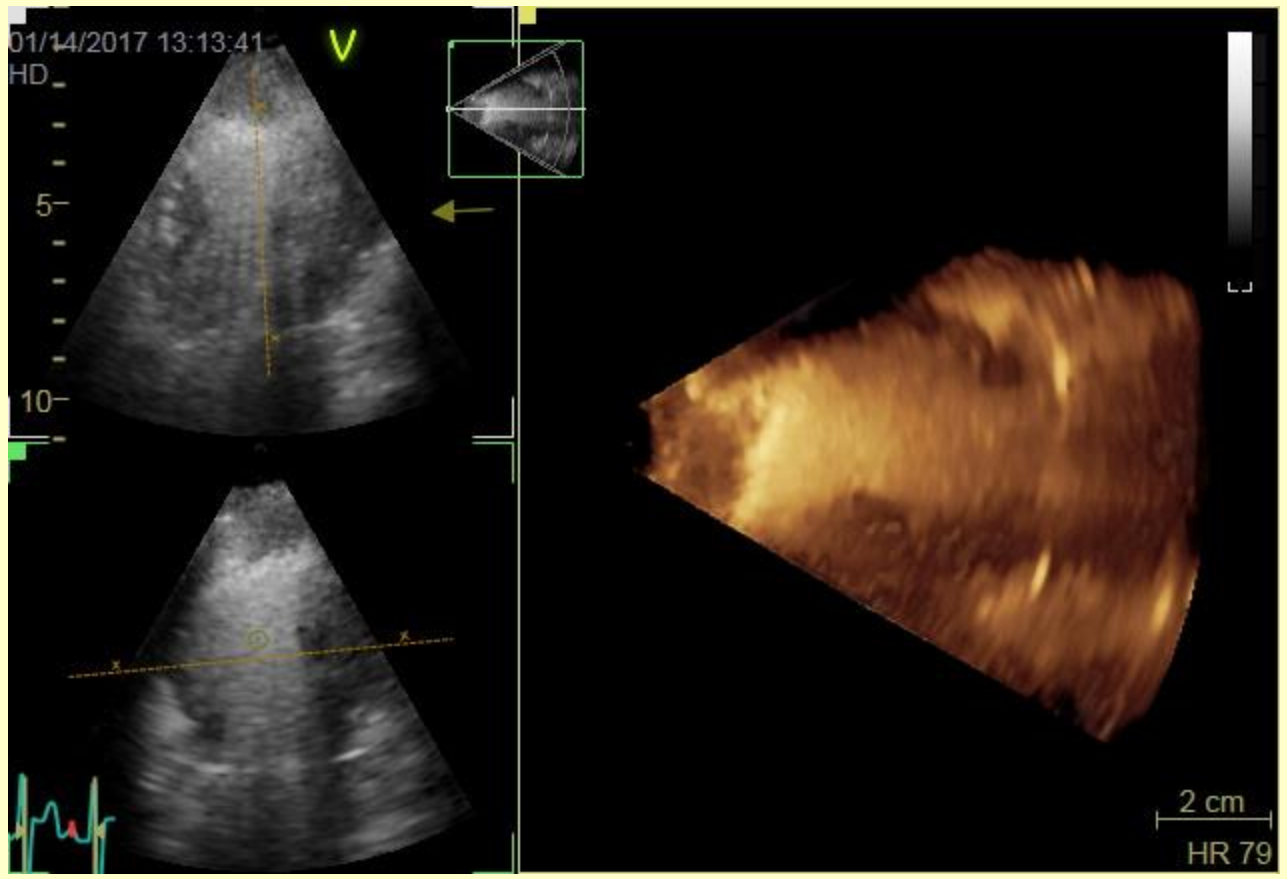
EchoPAC PC version 201

Stress loaded:

H.R. stress : 98~140 (118.3 ± 8.9)
/min.

B.P. stress : 136~207 ($146 \pm$
21.3) mmHg



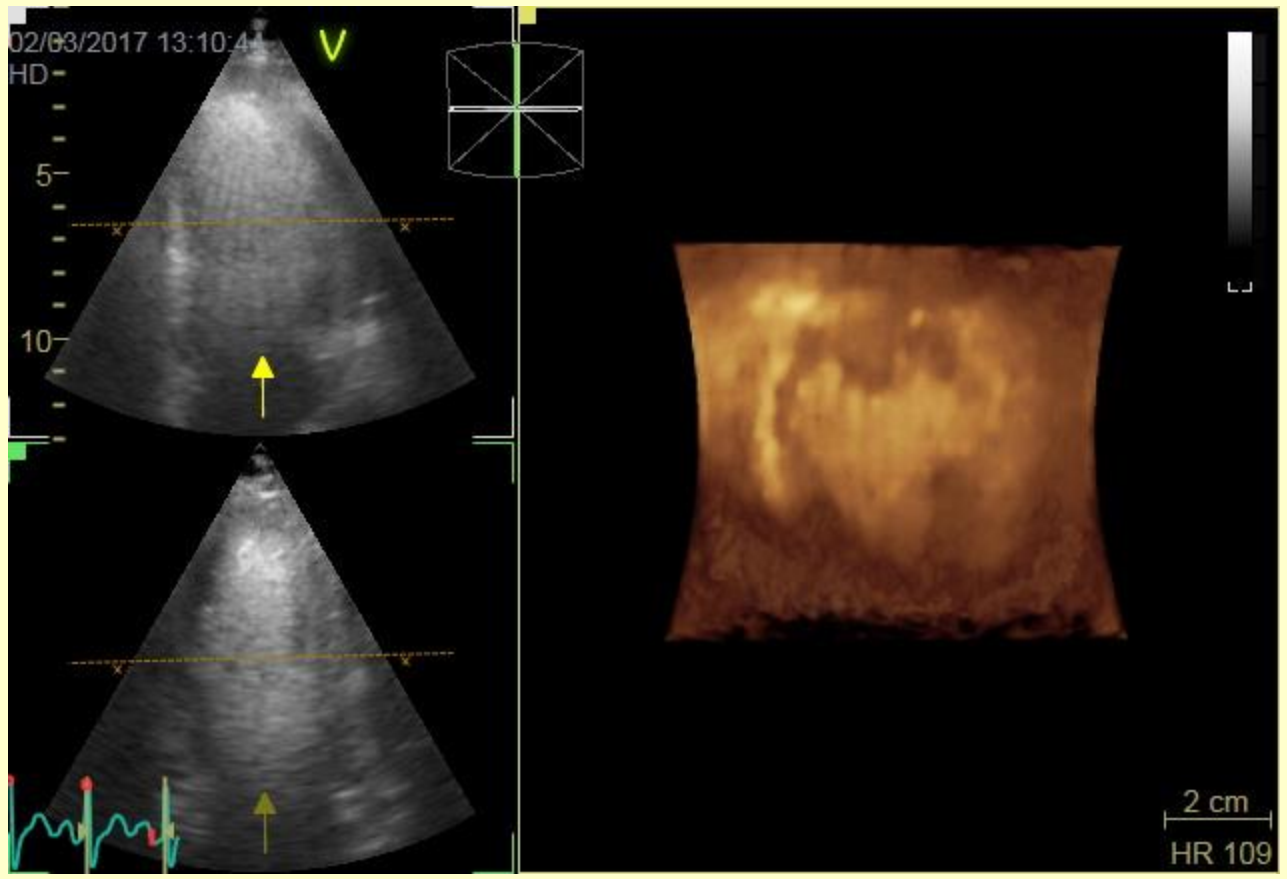


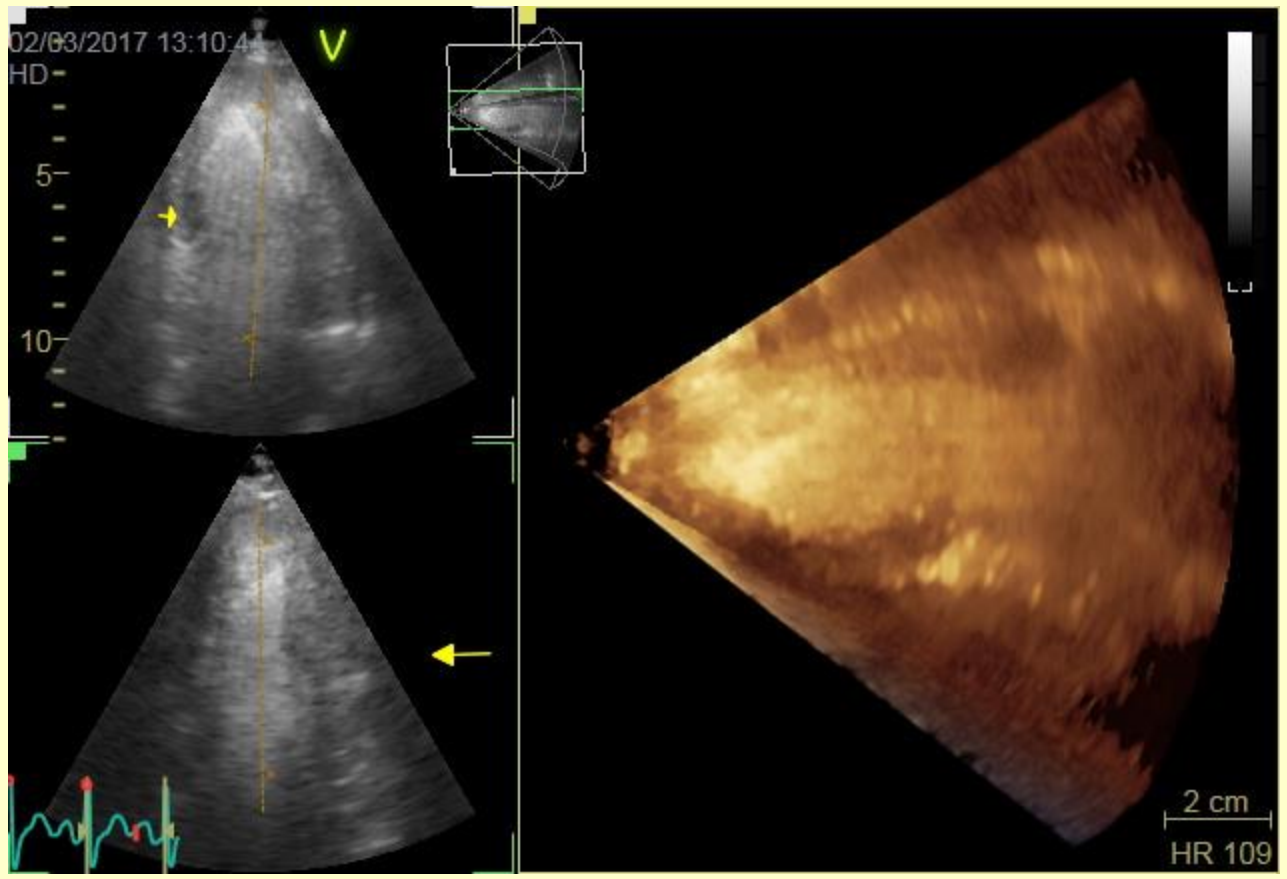
01/14/2017 13:14:43
ACE



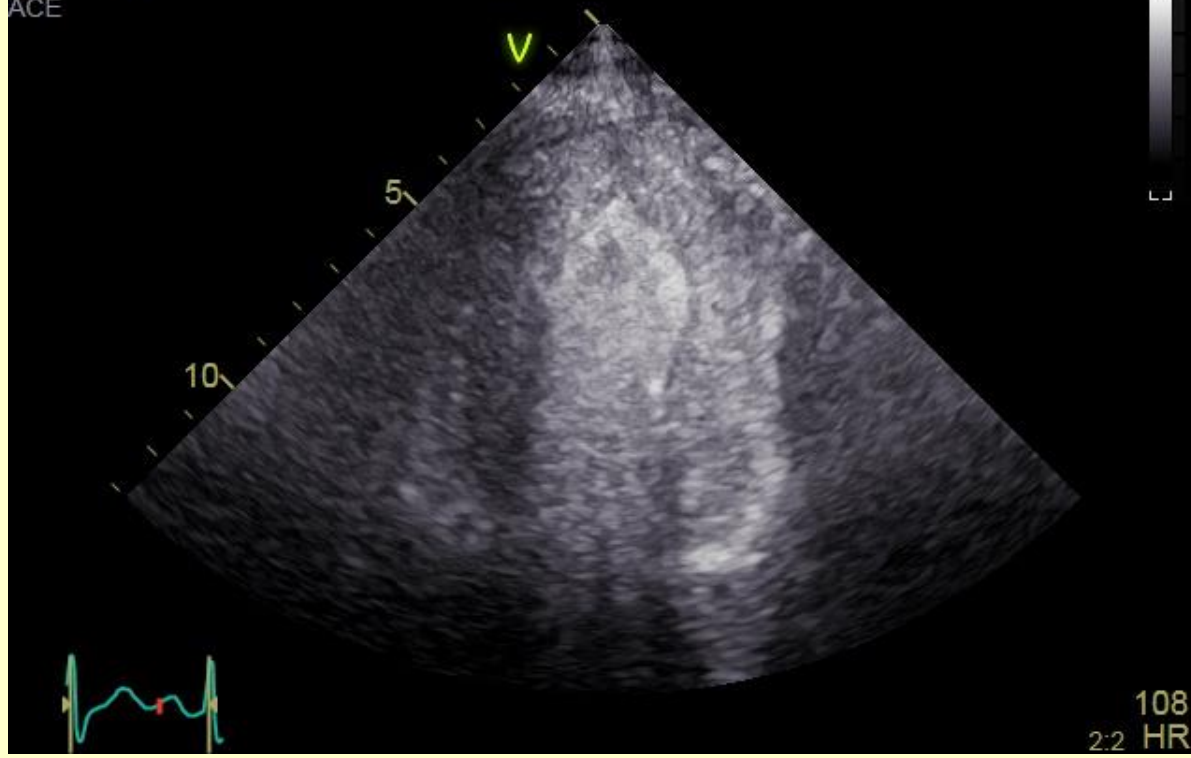
108
1:2 HR



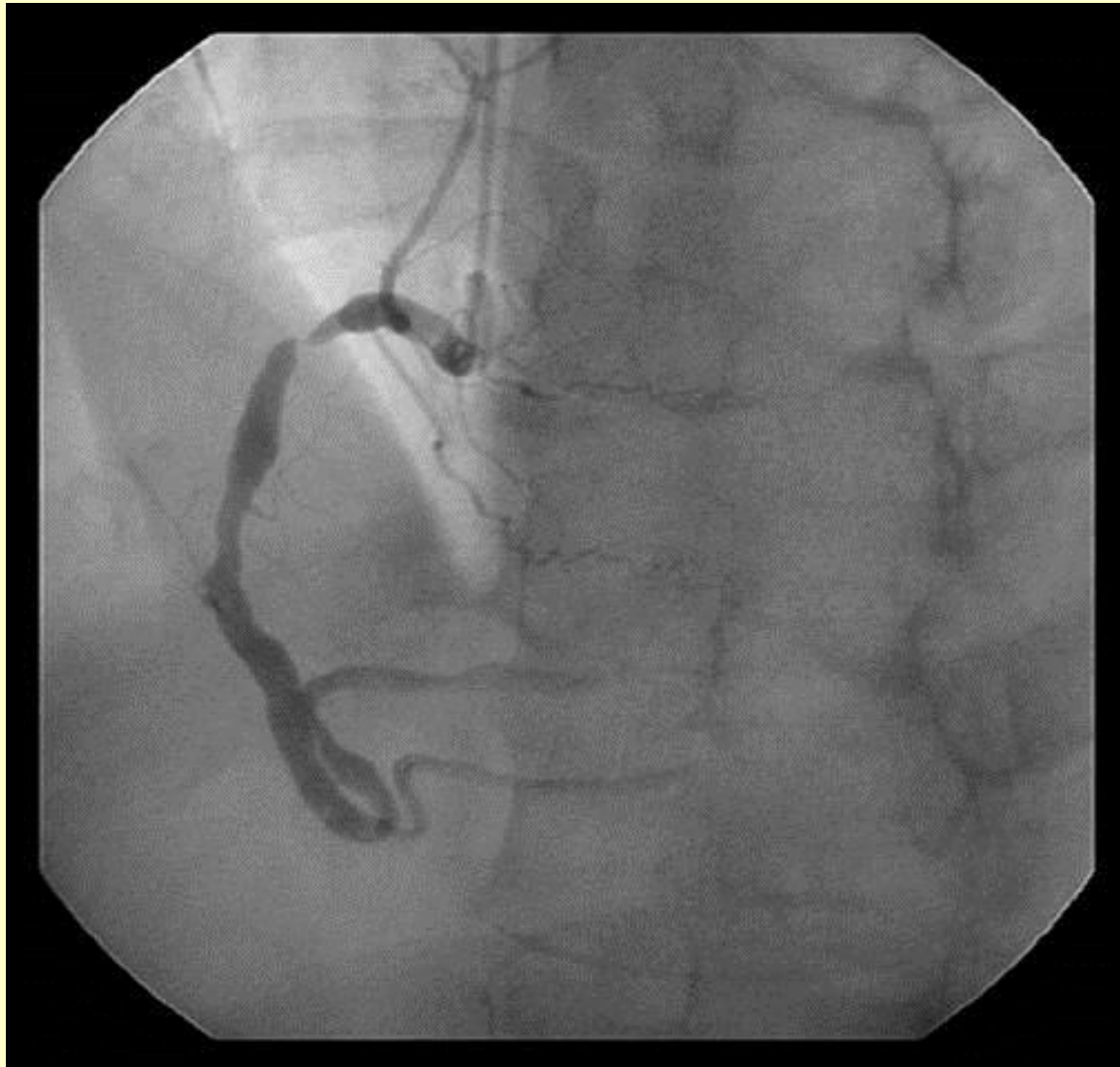


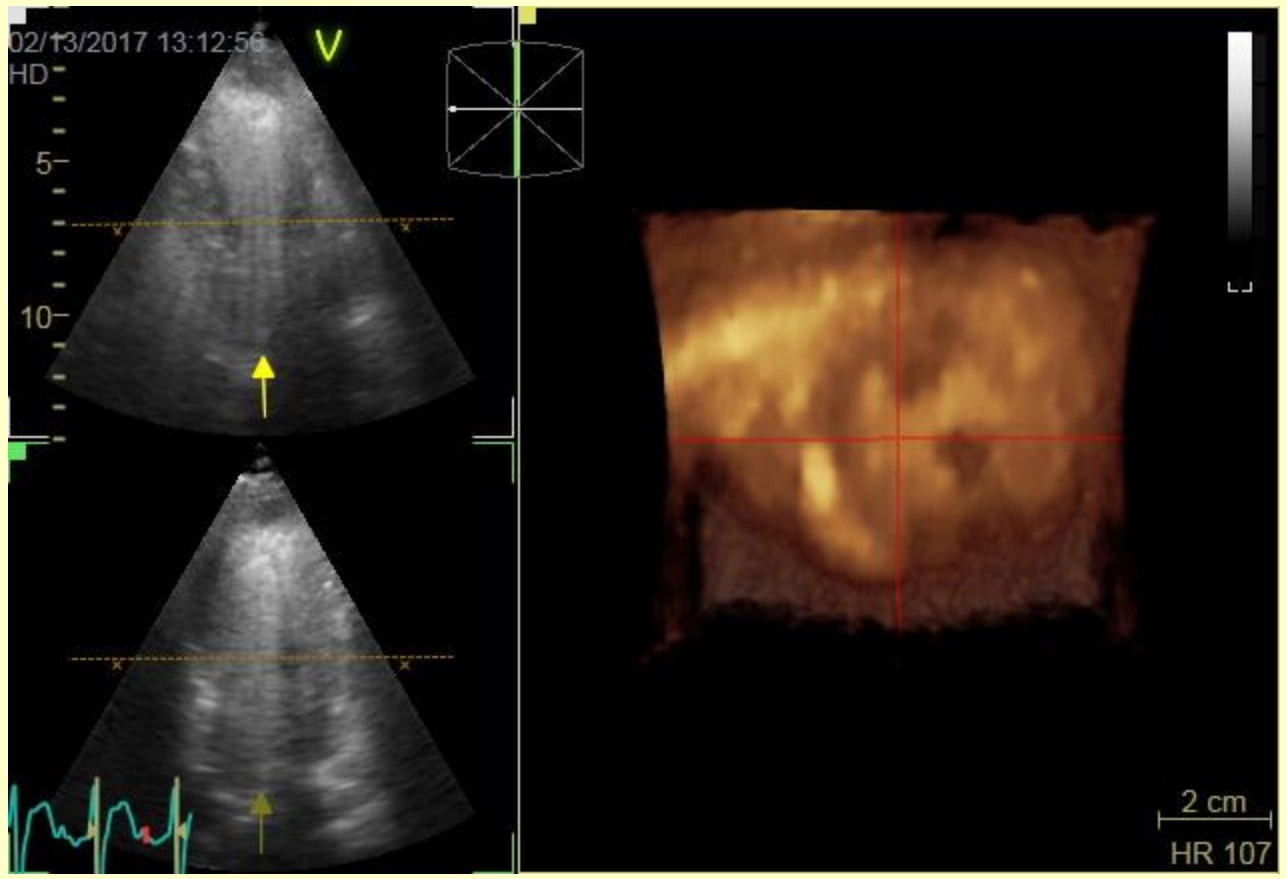


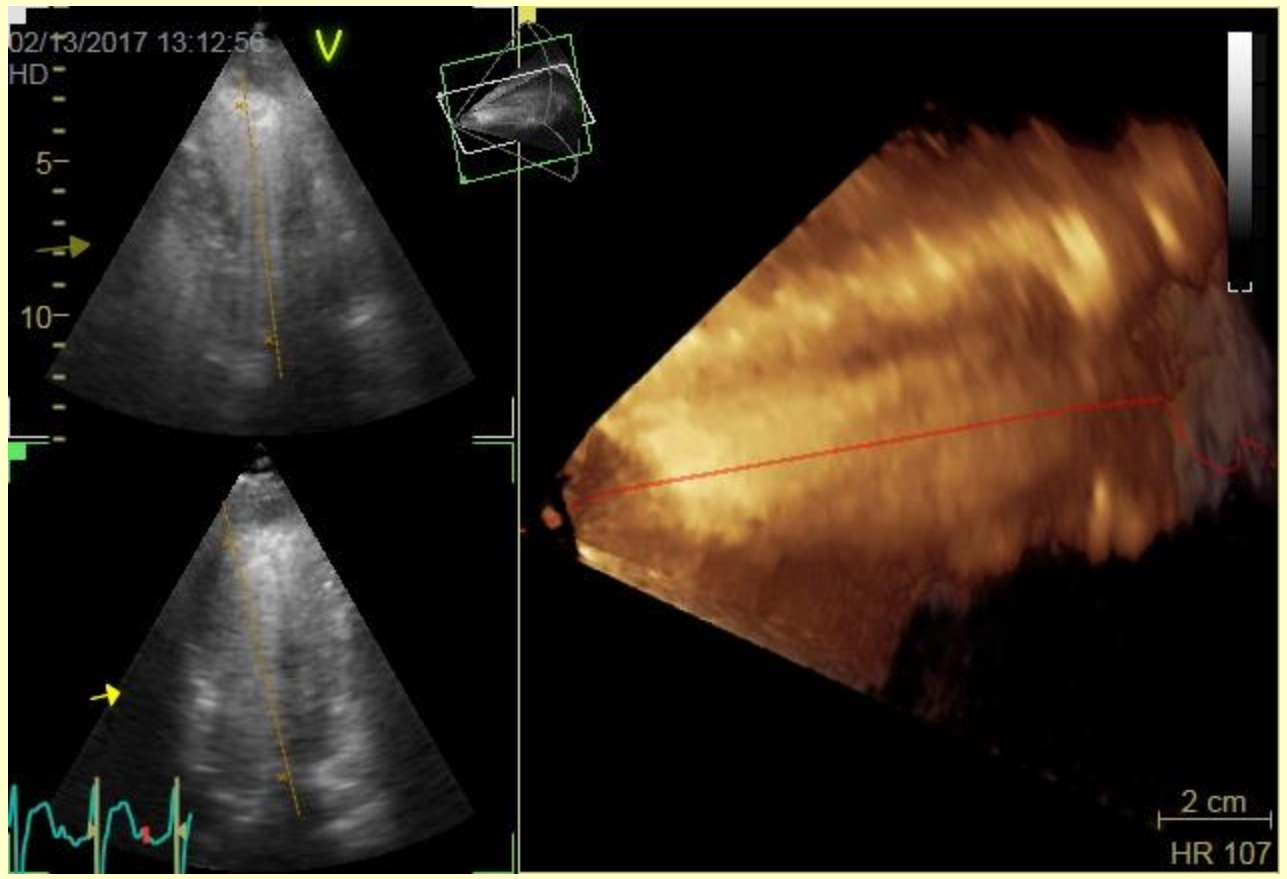
02/03/2017 13:11:22
ACE



108
2:2 HR



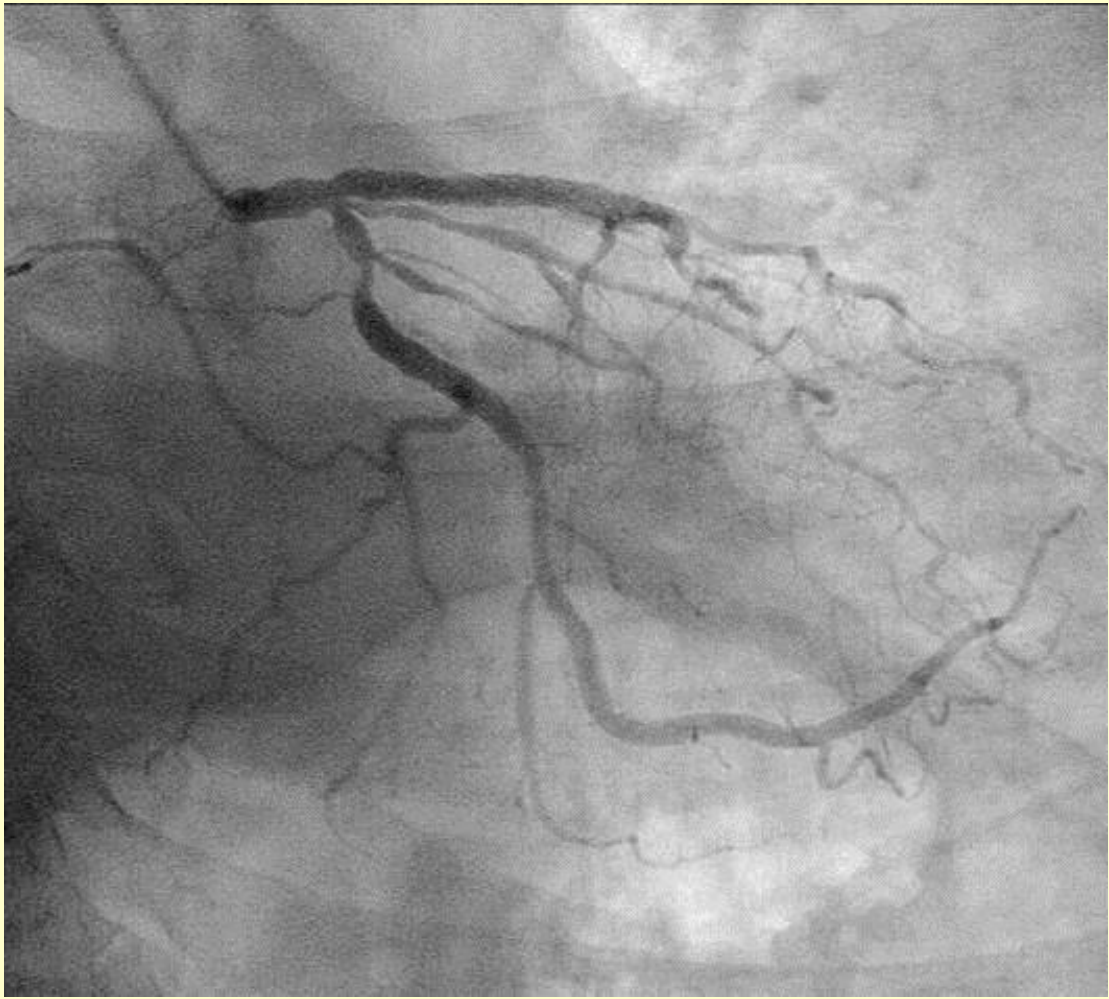




02/13/2017 13:13:14
ACE



106
1:2 HR



Results: Among the 24 patients, 13 patients showed non-contrasted segments in their LVW images. They all went through CAG, which showed they all had significant CAD.

Conclusion: Stress 3D MCE that involved just one-shot of a contrast agent enabled us to observe the whole LVW and to achieve higher diagnostic accuracy. Hence, it is concluded that this method is more useful than stress 2D or 3D echocardiography or 2D MCE.