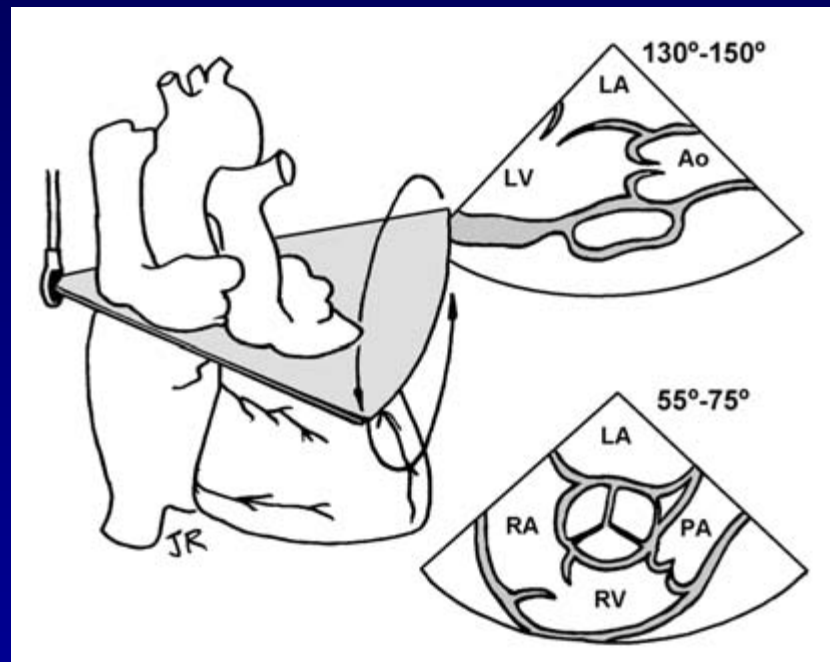
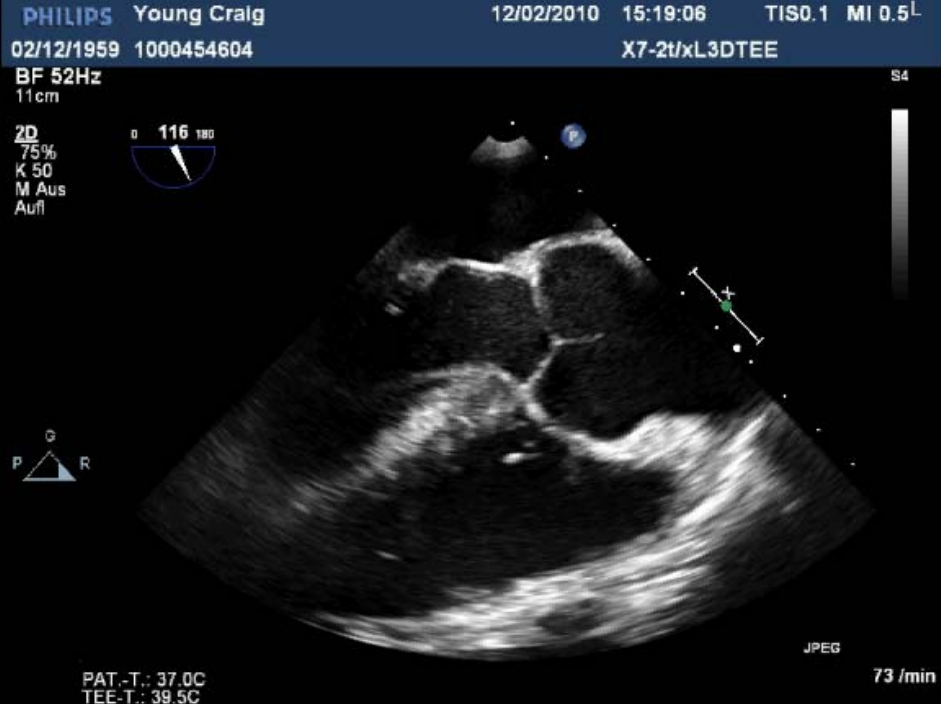
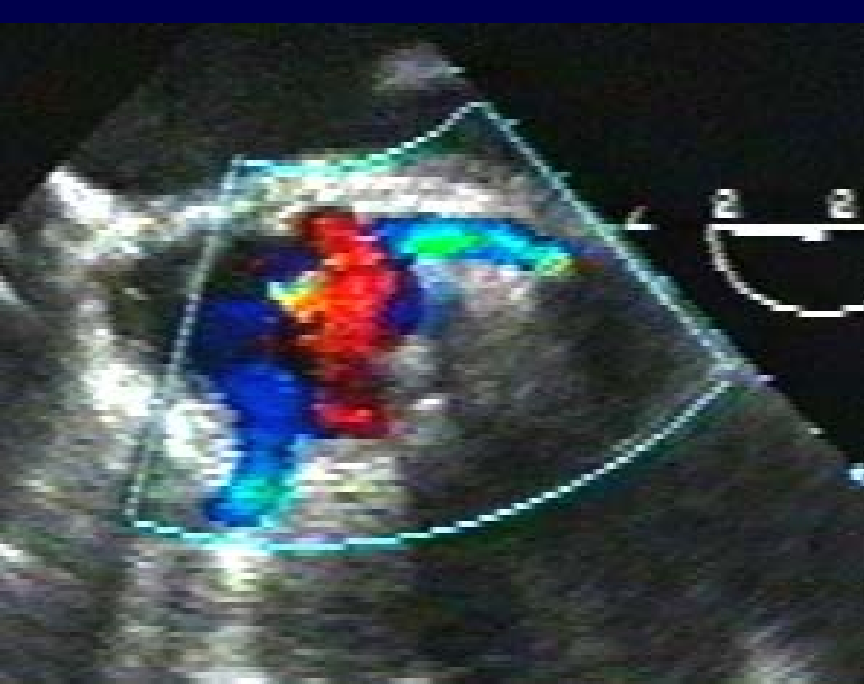
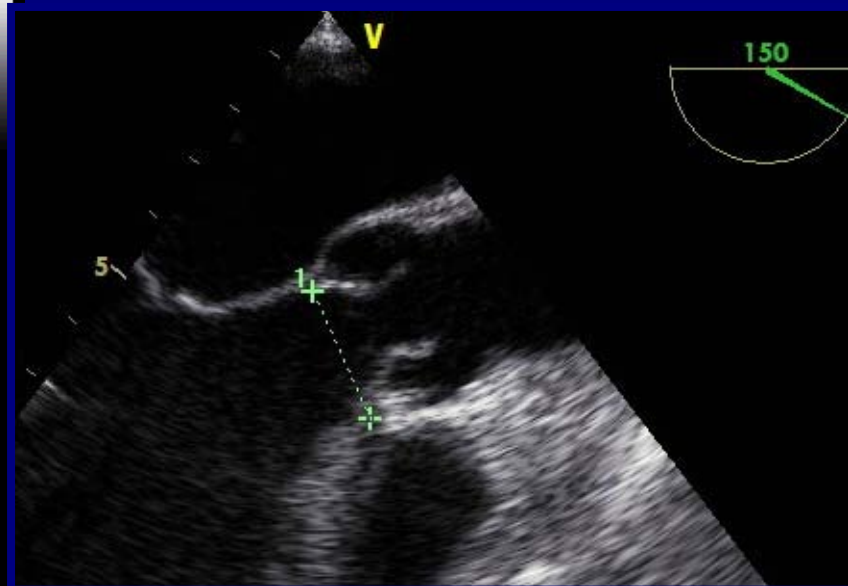
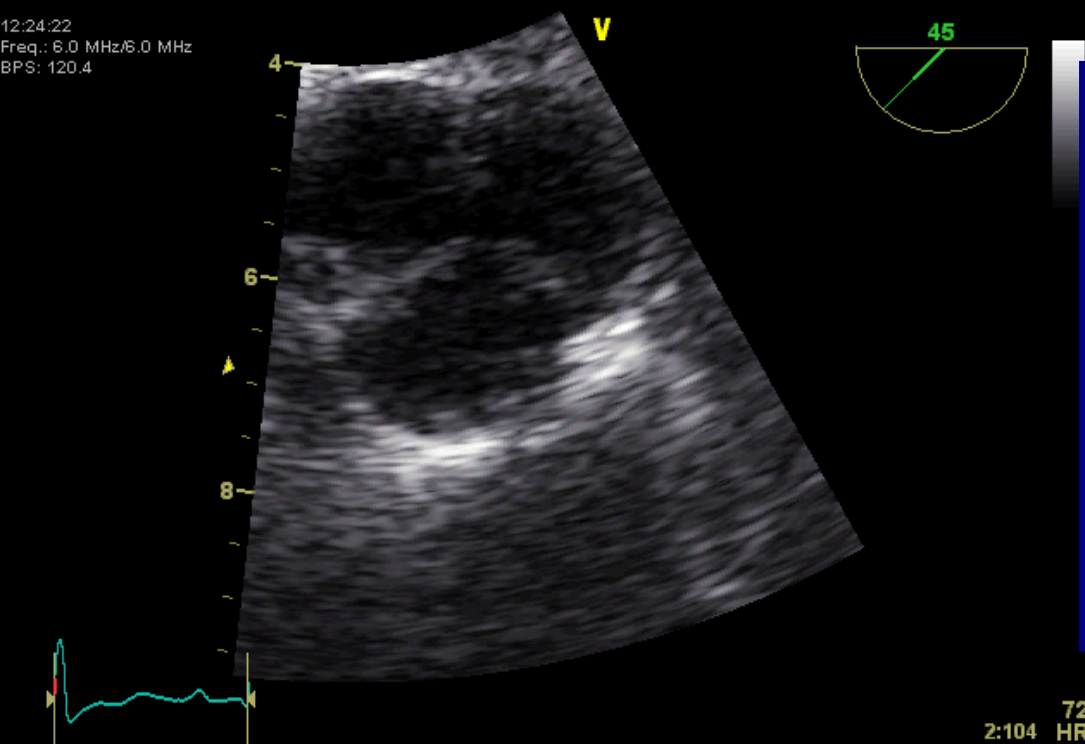






12:24:22
 Freq.: 6.0 MHz/6.0 MHz
 BPS: 120.4



Echocardiography in aortic diseases: EAE recommendations for clinical practice

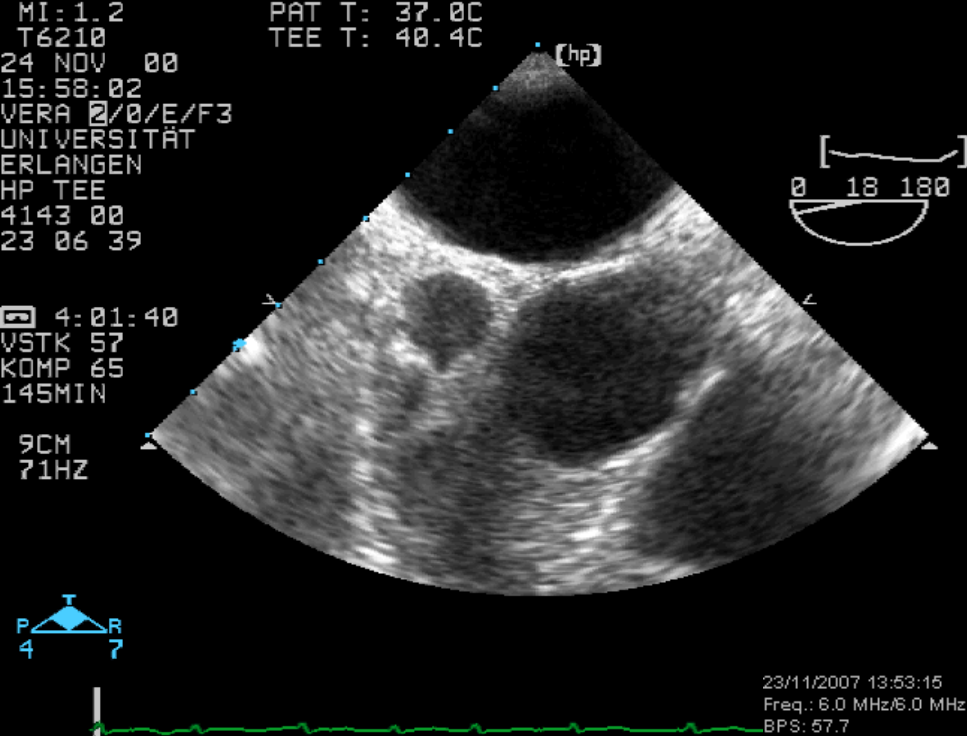
**Arturo Evangelista^{1*}, Frank A. Flachskampf², Raimund Erbel³,
Francesco Antonini-Canterin⁴, Charalambos Vlachopoulos⁵, Guido Rocchi⁶,
Rosa Sicari⁷, Petros Nihoyannopoulos⁸, and Jose Zamorano⁹ on behalf of the
European Association of Echocardiography**

ACCF/AHA Guideline

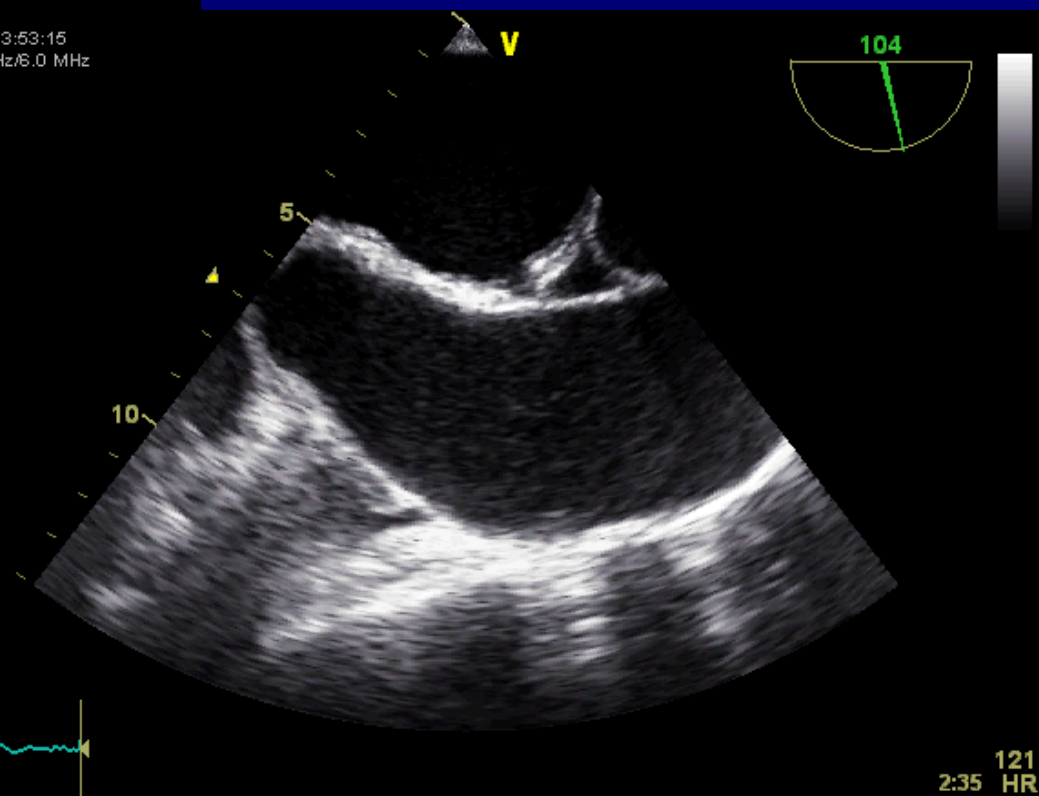
2010 ACCF/AHA/AATS/ACR/ASA/SCA/SCAI/SIR/STS/SVM Guidelines for the Diagnosis and Management of Patients With Thoracic Aortic Disease

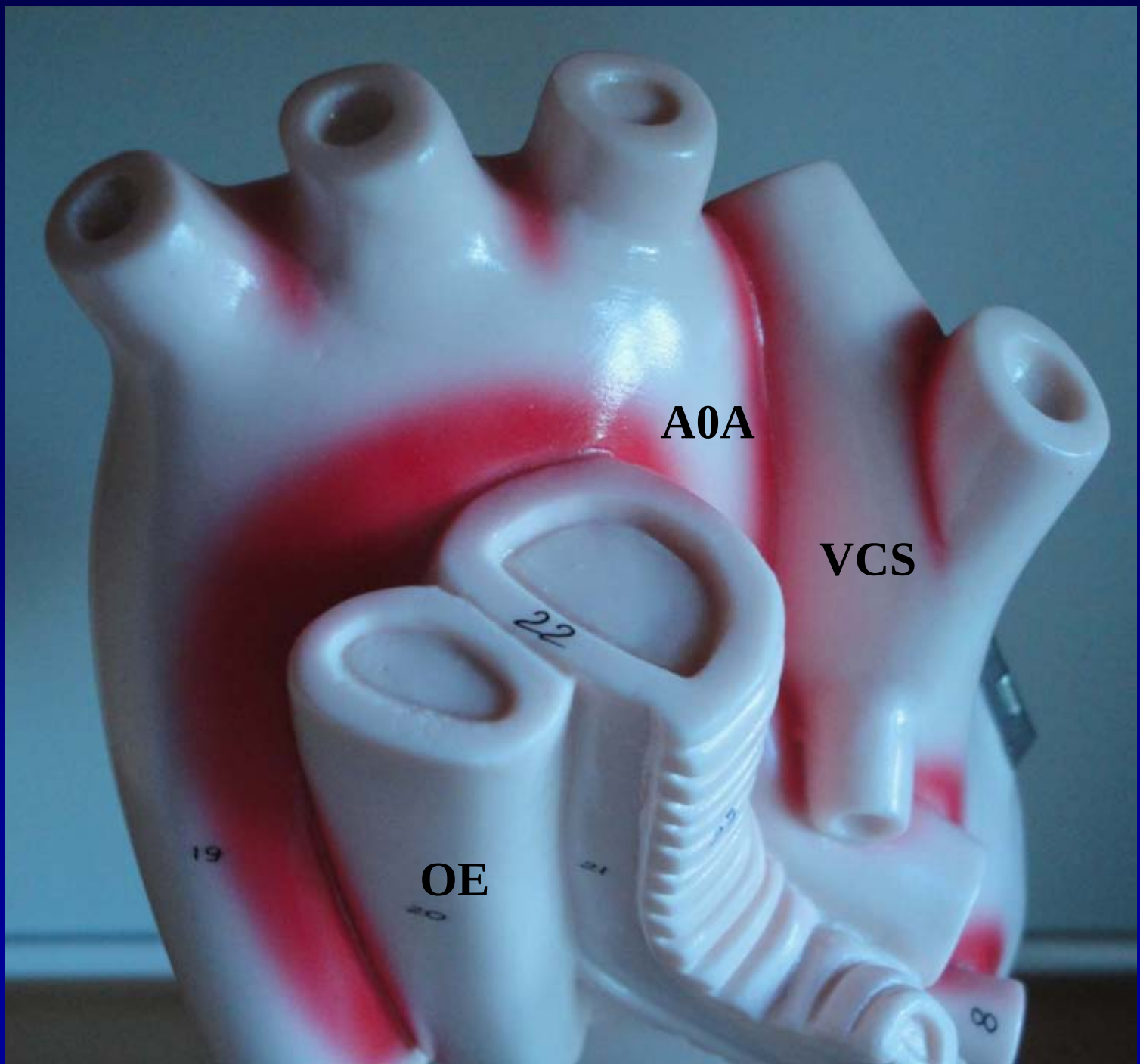
**A Report of the American College of Cardiology Foundation/American Heart Association
Task Force on Practice Guidelines, American Association for Thoracic Surgery, American
College of Radiology, American Stroke Association, Society of Cardiovascular
Anesthesiologists, Society for Cardiovascular Angiography and Interventions, Society of
Interventional Radiology, Society of Thoracic Surgeons, and Society for Vascular Medicine**

107 pages

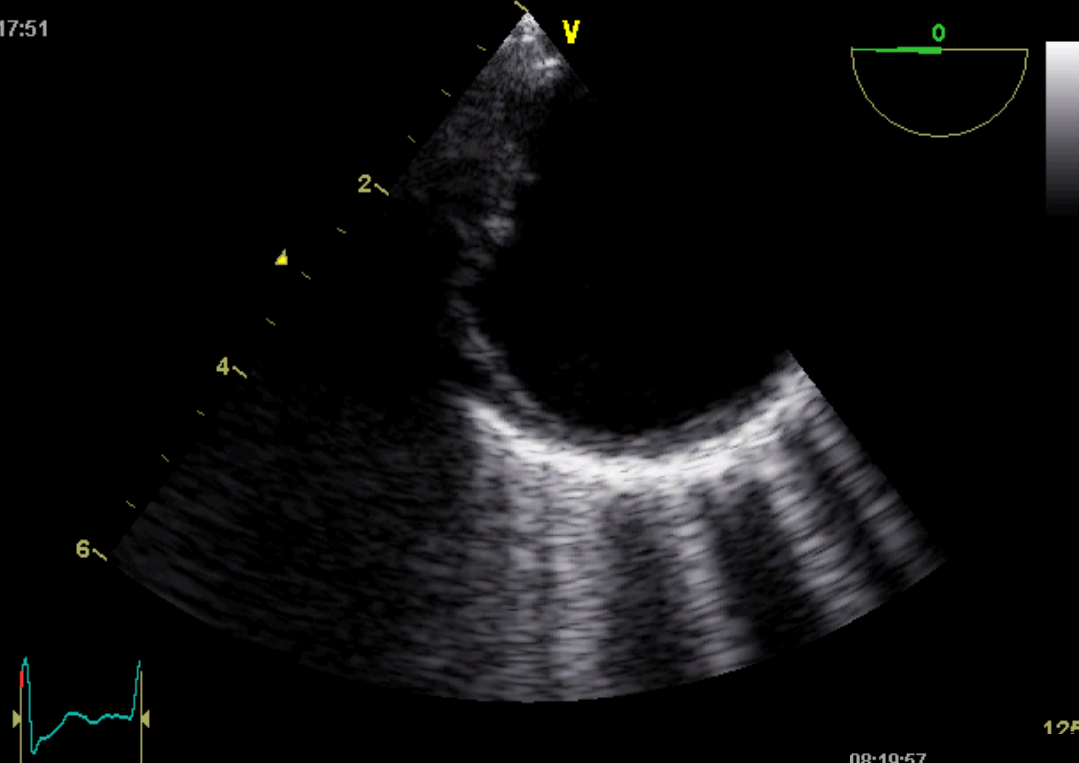


**more of asc aorta
seen in long axis
than in short axis**



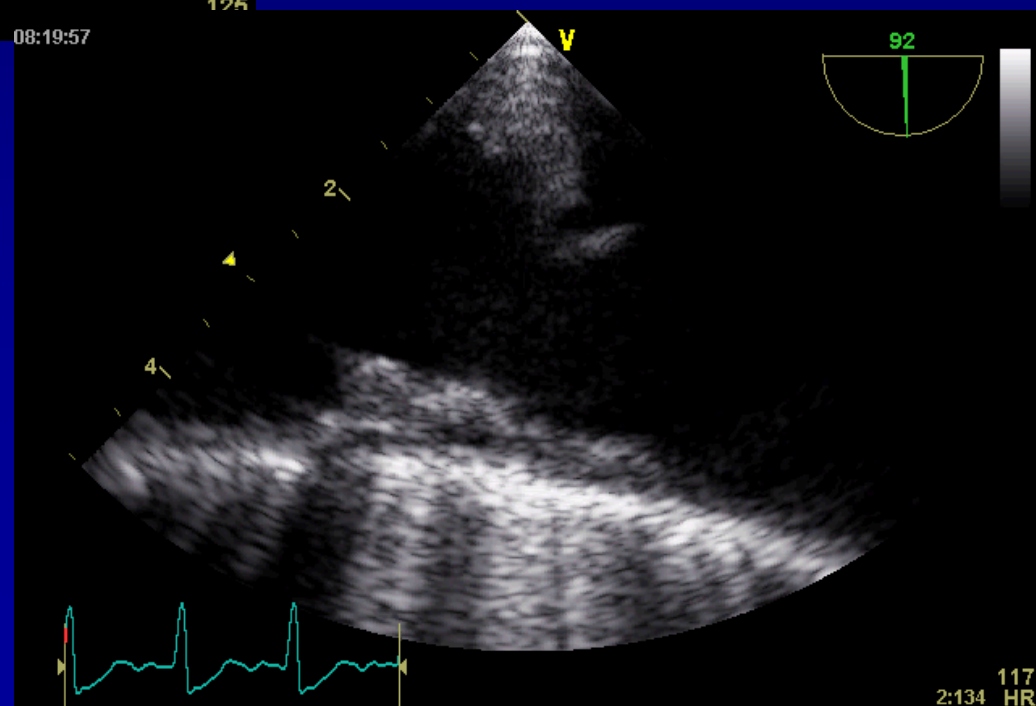


08:17:51



125

08:19:57



117
2:134 HR

09/03/1944 2009 7296

X7-2t/xL3DTEE

BF 52Hz

4.0cm

2D

69%

K 50

M Aus

Auf



PAT-T: 37.0C
TEE-T: 38.7C

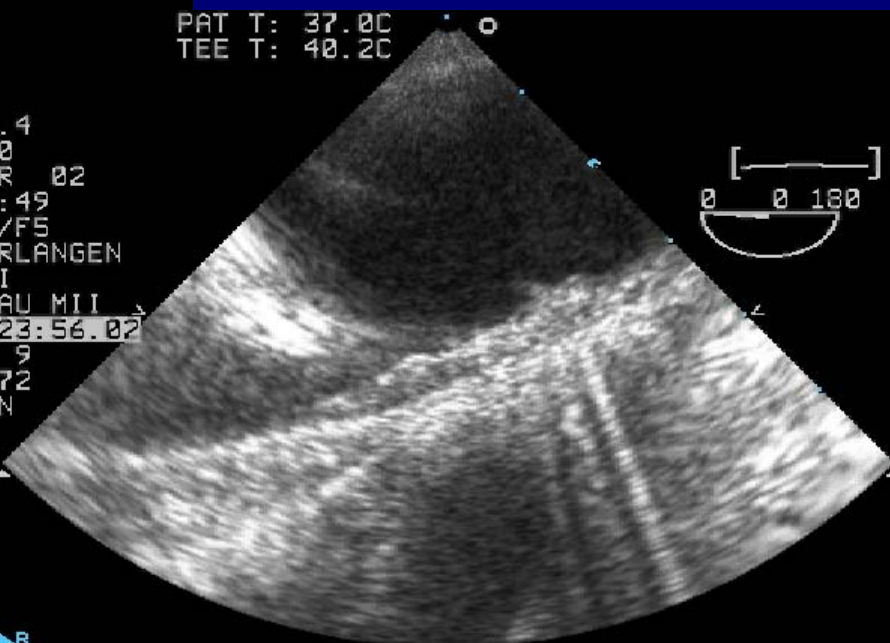
PAT T: 37.0C
TEE T: 40.2C

MI: 1.4
T6210
16 APR 02
14:15:49
2/2/F/F5
UNI ERLANGEN
MED II
TEE FAU MII
1:23:56.02
VSTK 9
KOMP 72
106MIN

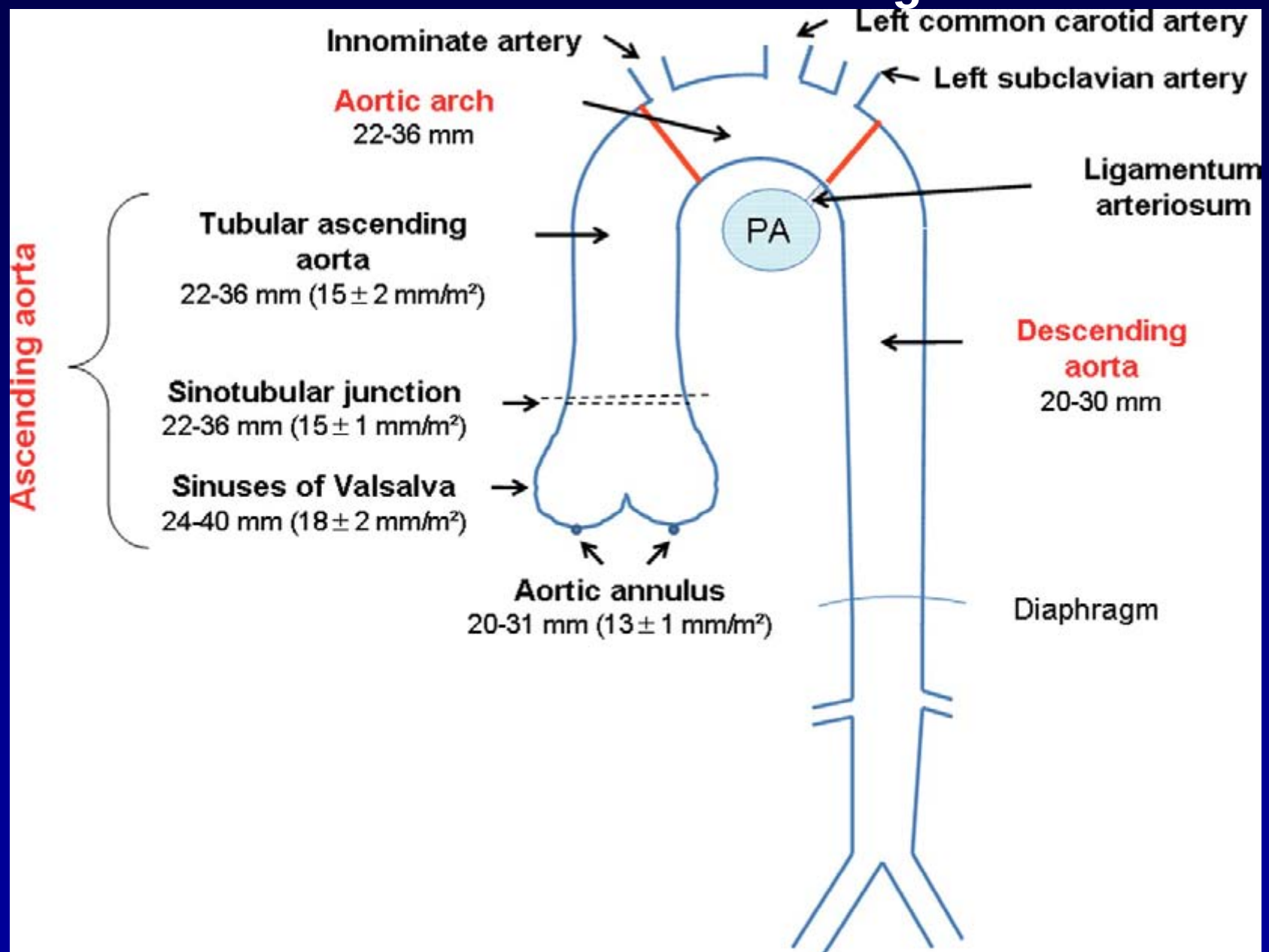
6CM
77HZ



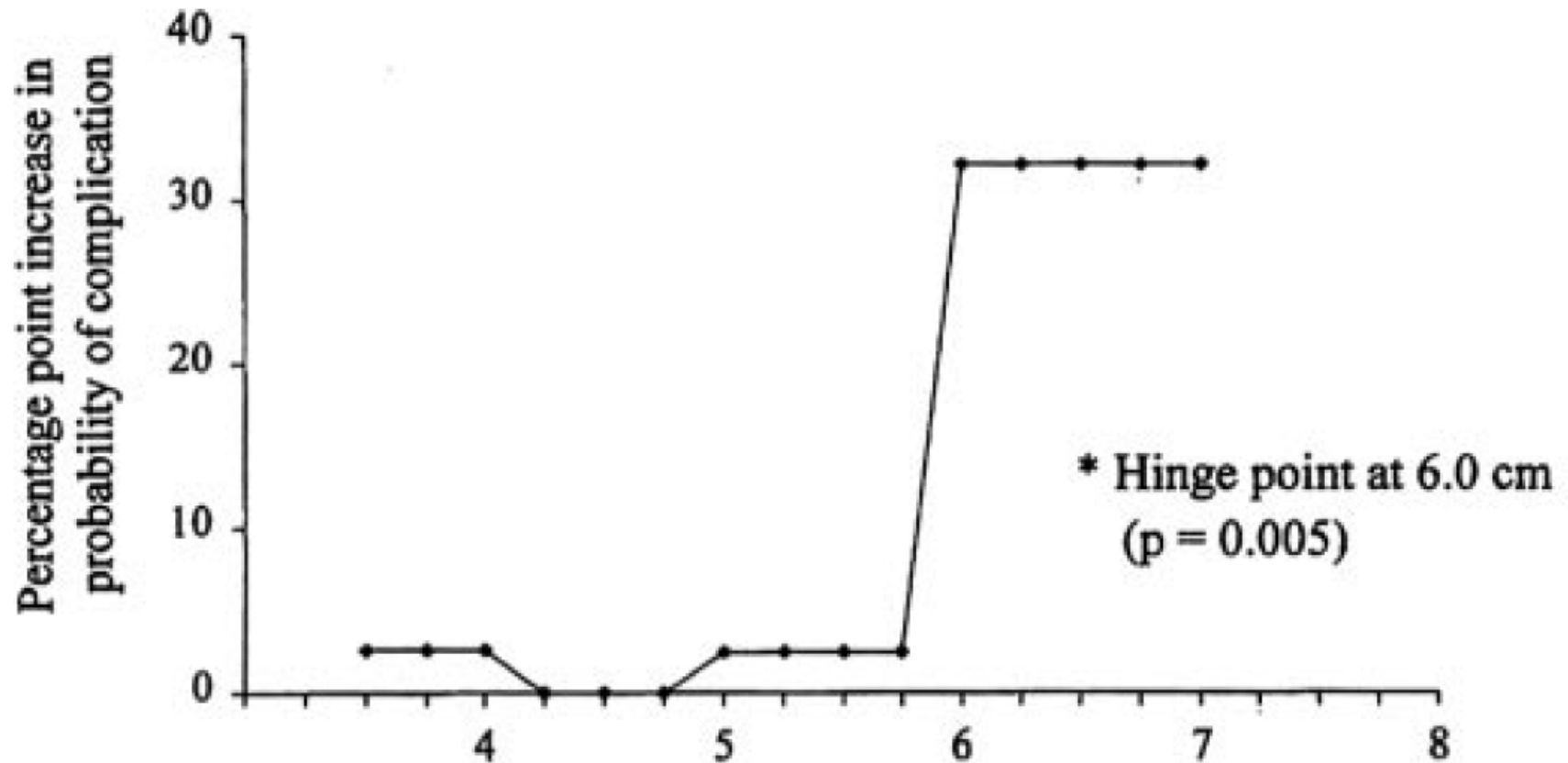
PHILIPS



Normal size of thoracic aortic segments.



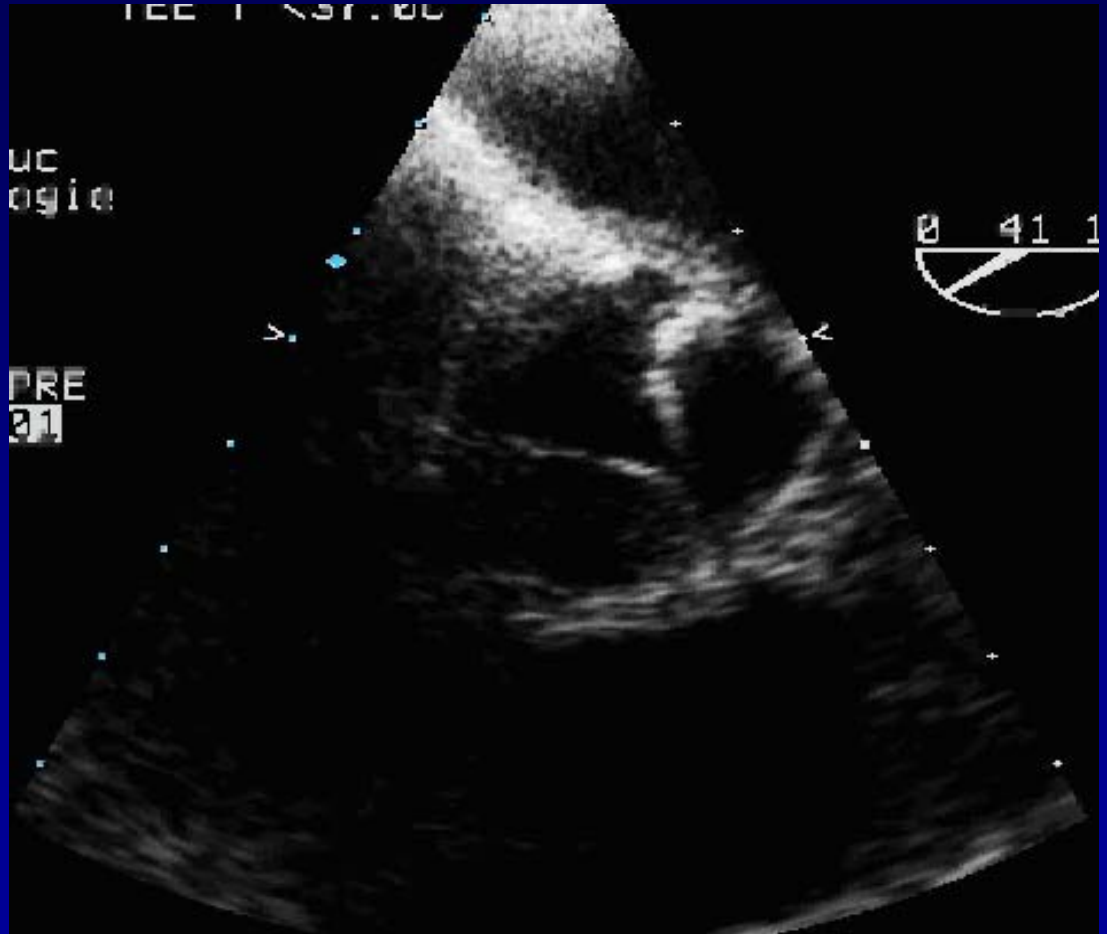
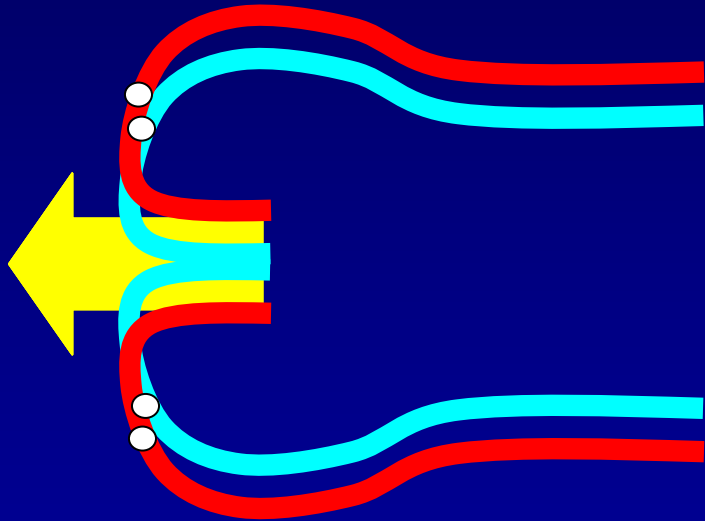
rupture or dissection



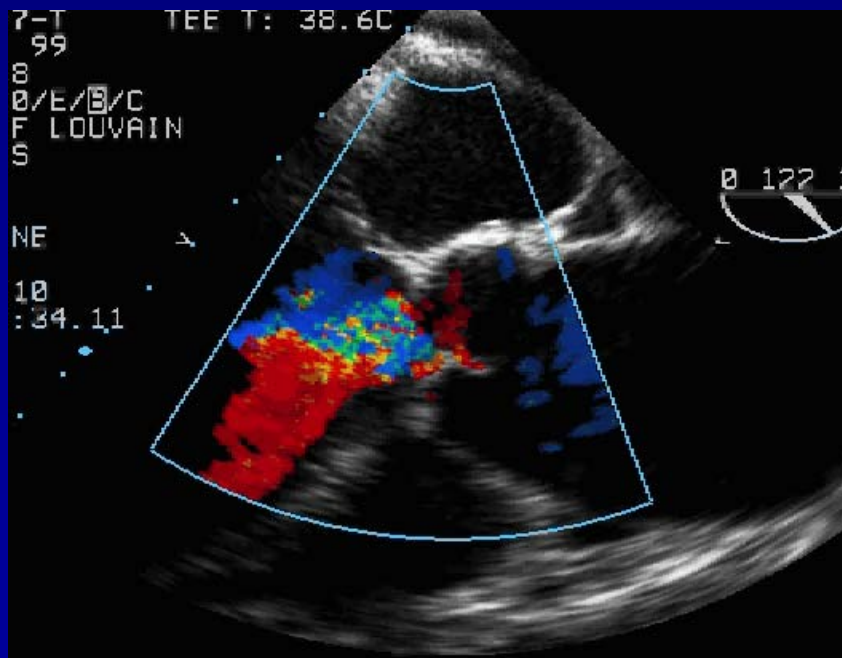
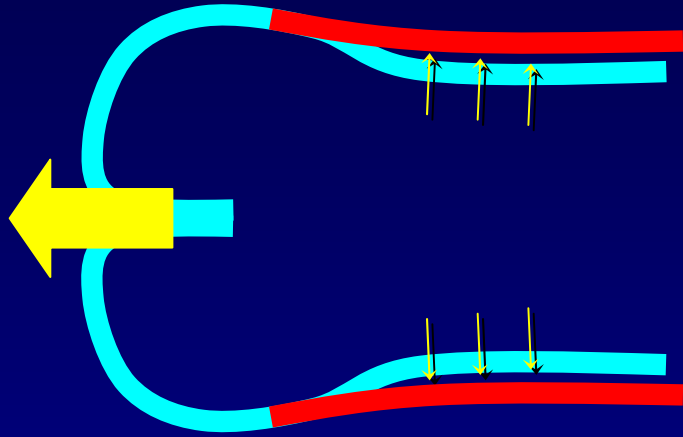
n=1600 pts with aortic aneurysm

Elefteriades Ann Thorac Surg 2002;74:S1877

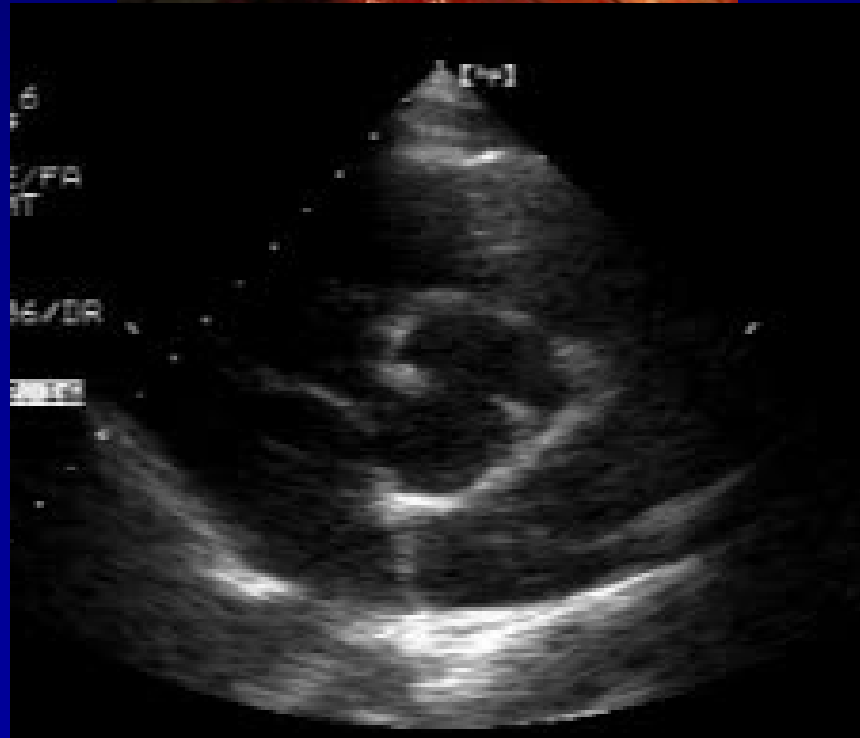
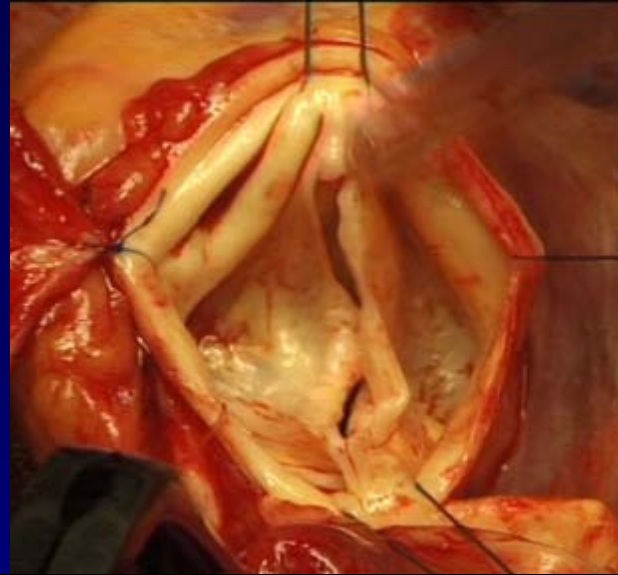
Annular dilatation



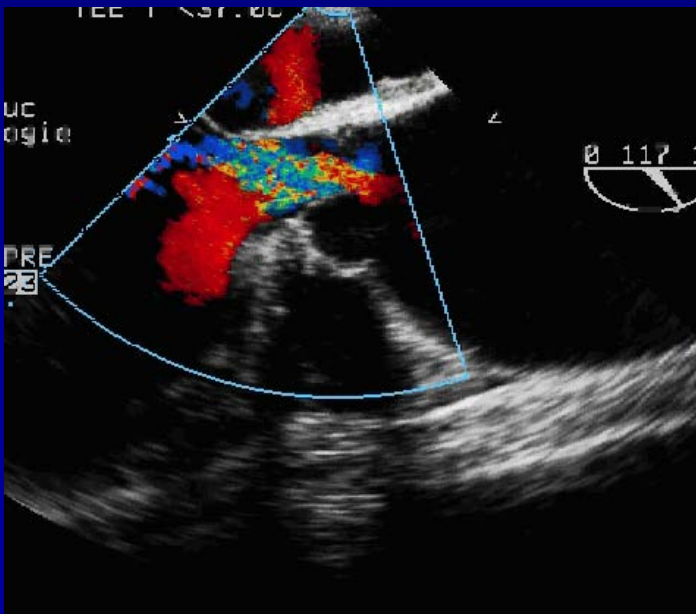
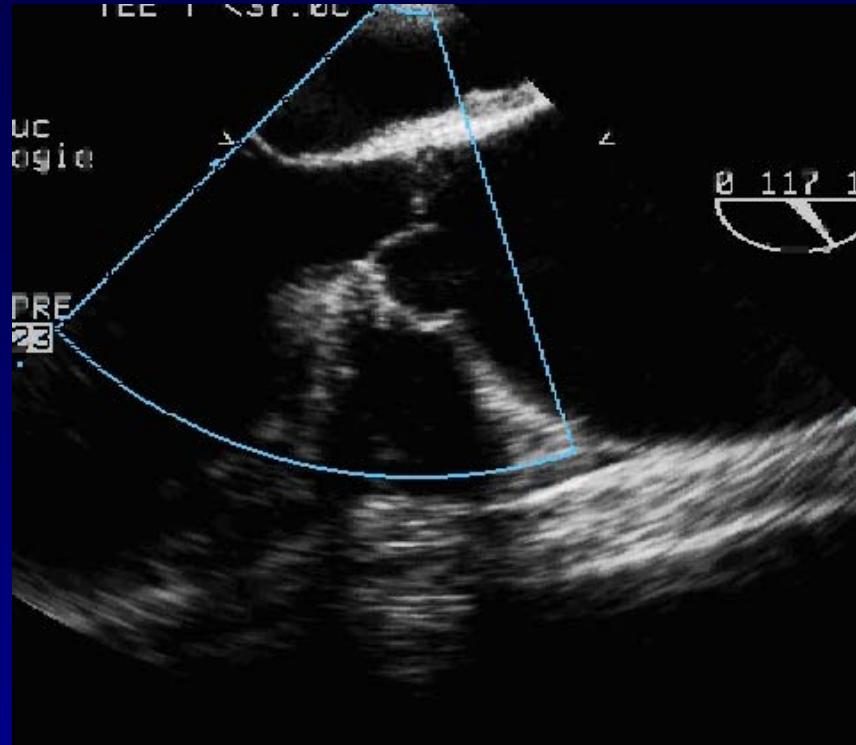
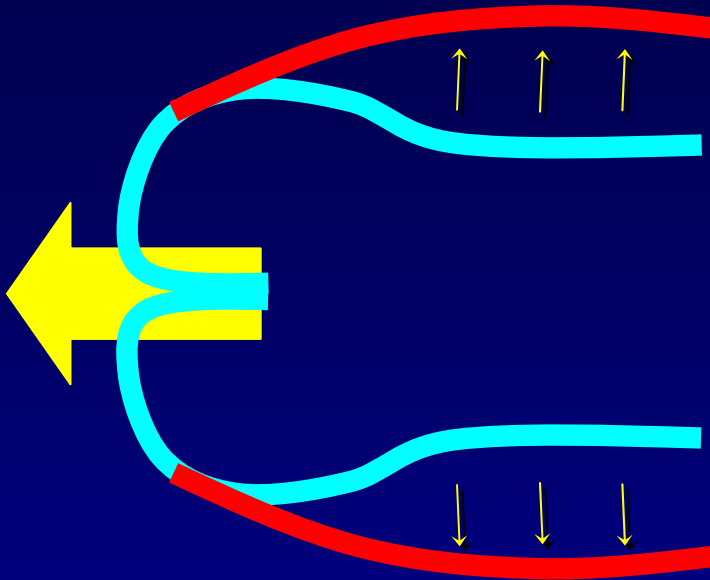
Dilatation and effacement of sino-tubular junction (note: Marfan + Ao > 4.5 cm surgical indication)



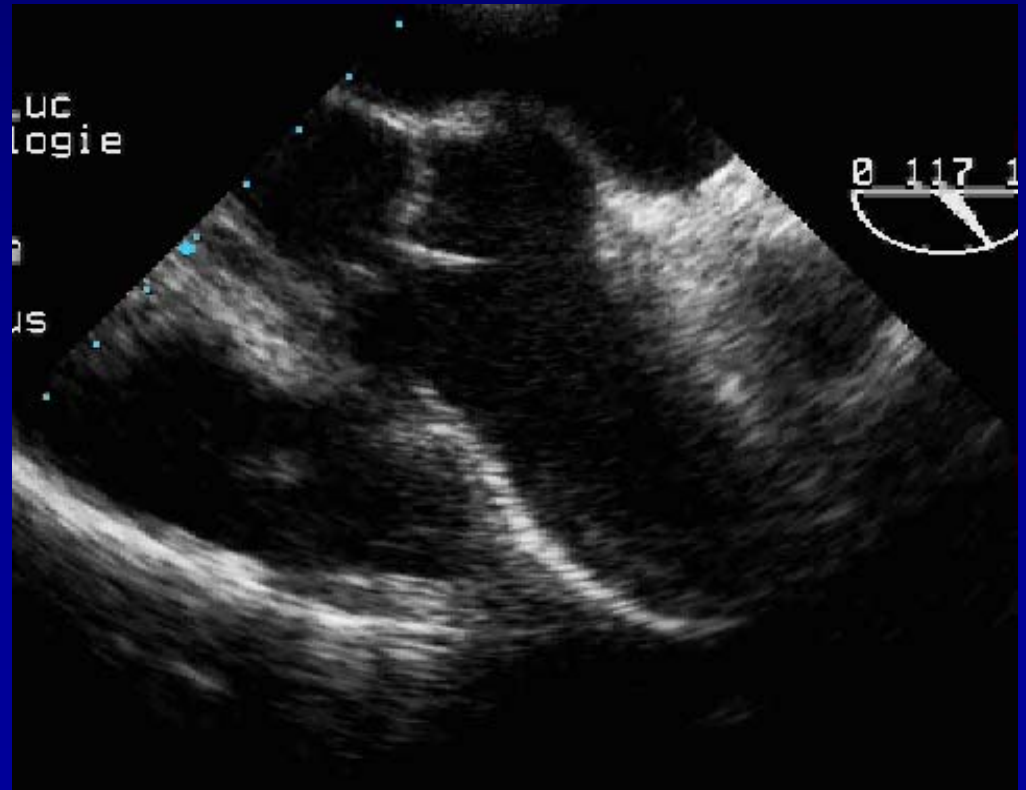
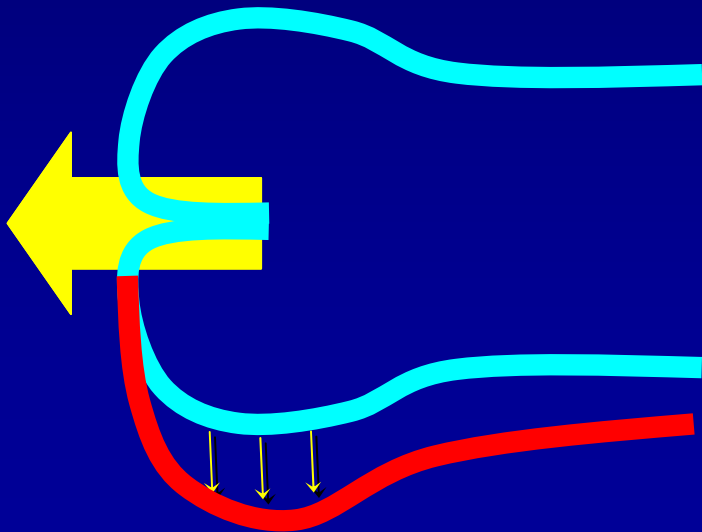
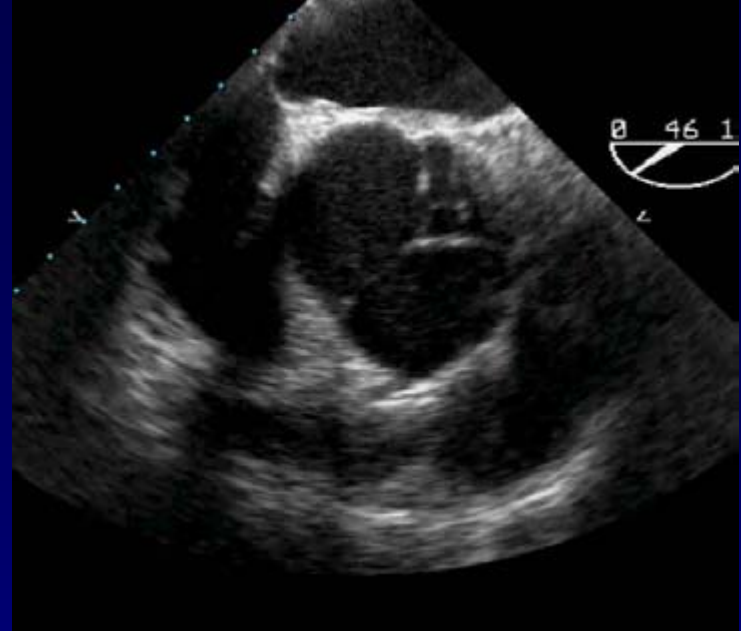
Bicuspid valve (note: surgical indication if Ao > 5.0 cm)



Aortic aneurysm



Sinus Valsalvae aneurysm



Agnes Pasquet, Brussels

Aortic atheroma

PHILIPS gumbmann, hermann 26/06/2009 15:11:46 TIS0.1 MI 0.5L
09/05/1936 2009 4434 X7-2t/xL3DTEE

BF 52Hz
12cm

2D
86%
K 50
M Aus
Aufl



JPEG

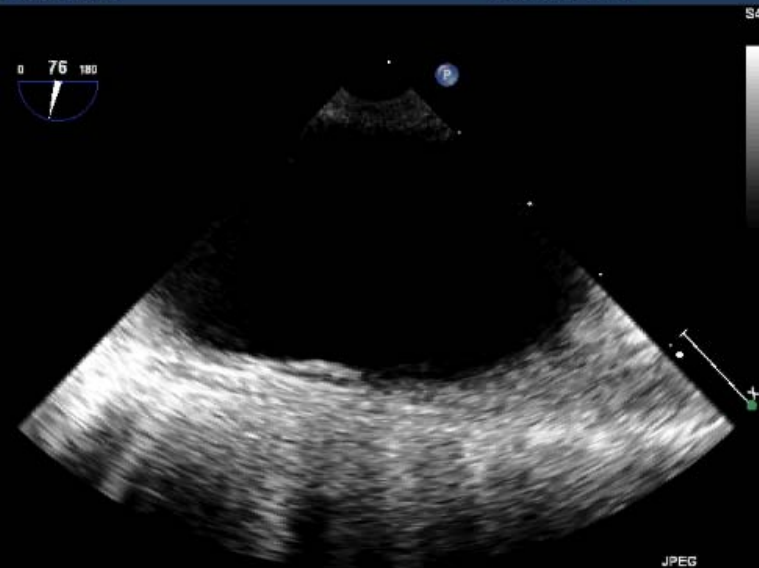
PAT.-T.: 37.0C
TEE-T.: 40.0C

63 /min

PHILIPS gumbmann, hermann 26/06/2009 15:16:12 TIS0.1 MI 0.5L
1936 2009 4434 X7-2t/xL3DTEE

52Hz

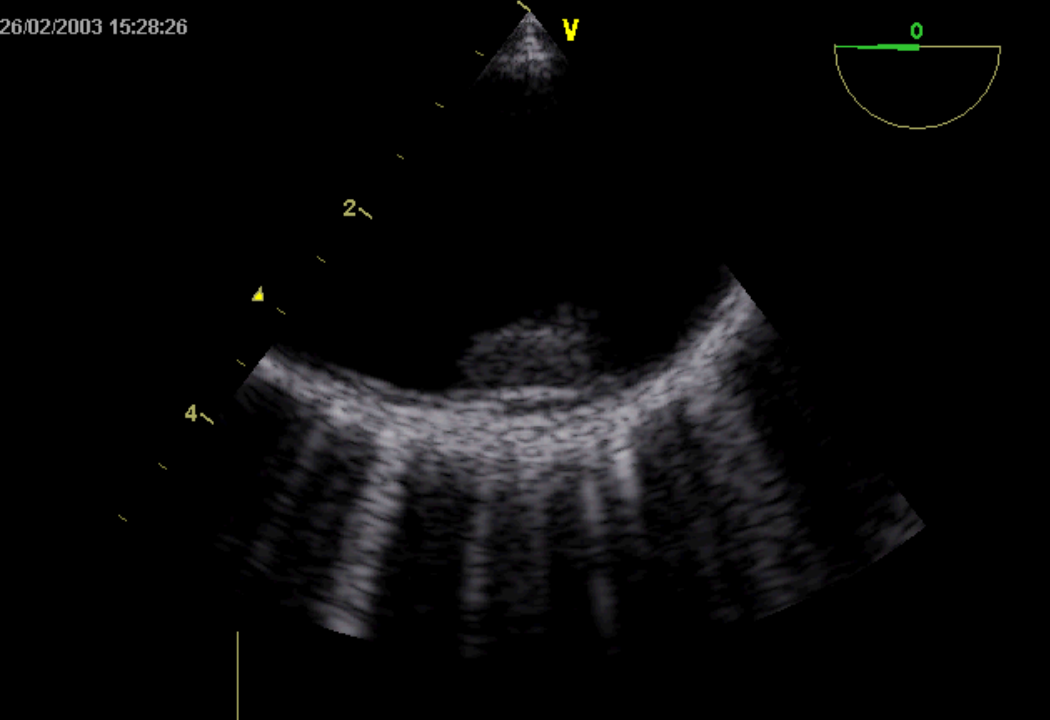
2D
58%
K 50
M Aus
Aufl



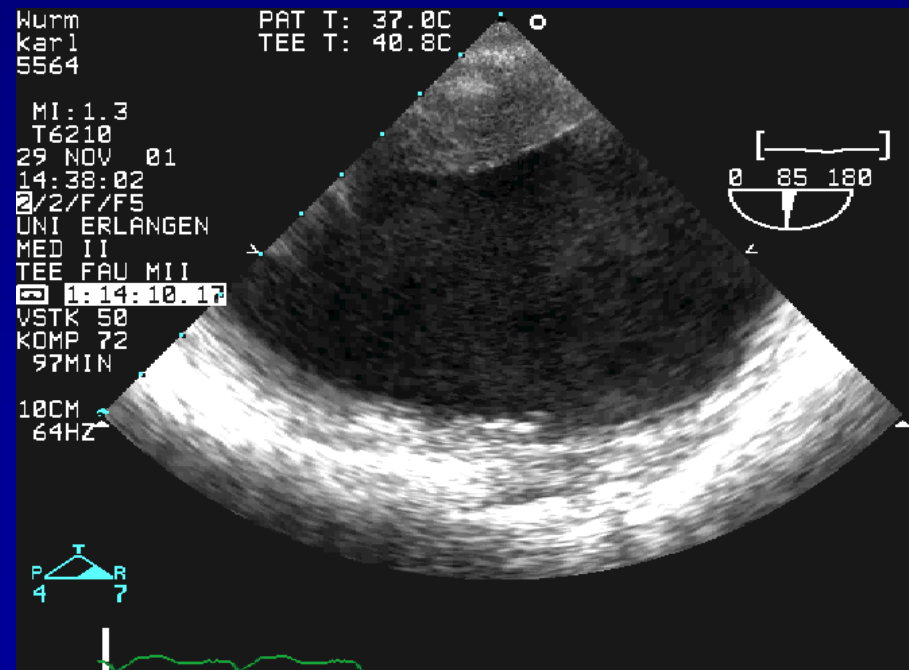
JPEG

PAT.-T.: 37.0C
TEE-T.: 40.1C

89 /min



aortic atheroma and thrombus

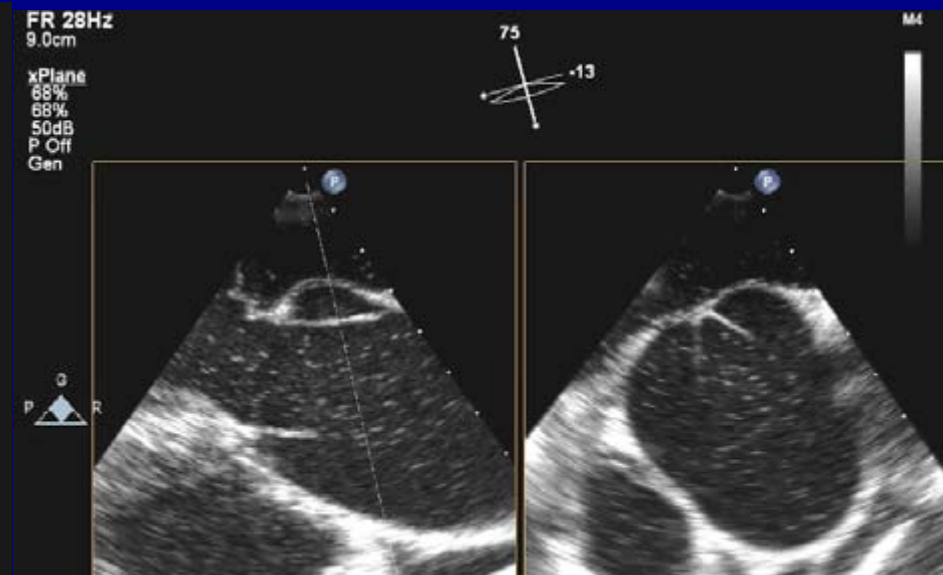
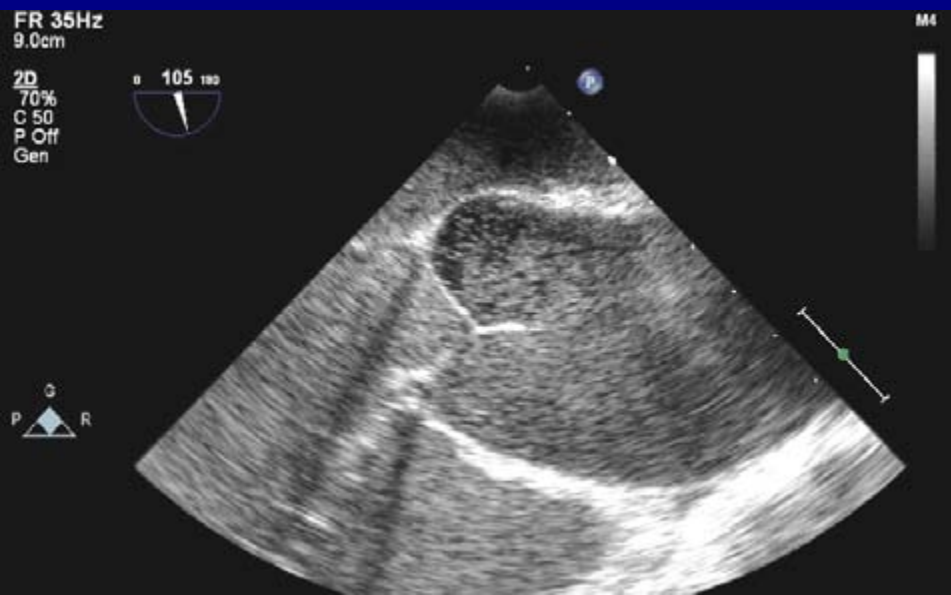
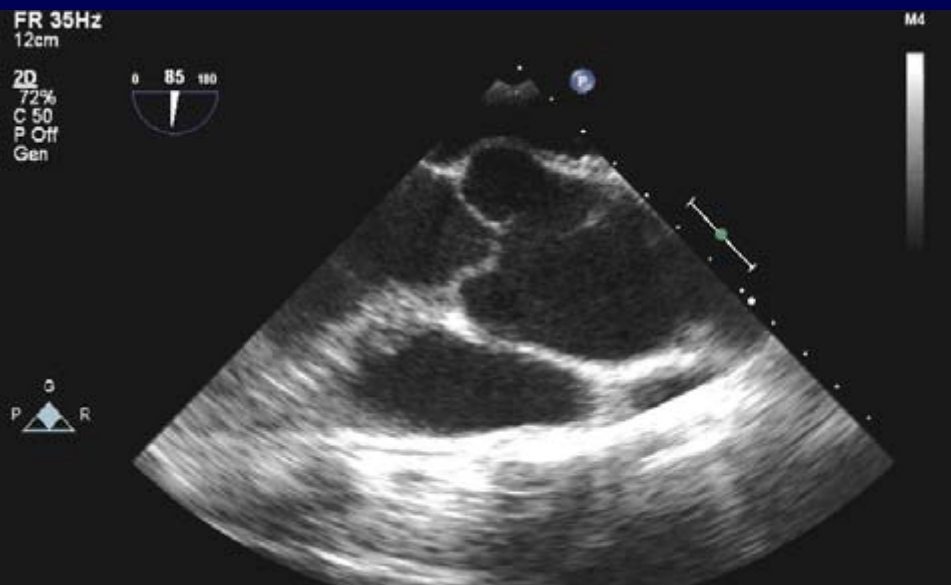




aortic atheroma and thrombus



28 year old patient, Marfan, dissection of desc aorta; asc aorta ?



Summary

- TEE most convenient tool to examine the thoracic aorta
- attention to the aortic root, especially in aortic valve disease
- acute aortic syndromes are often difficult to recognize and often misinterpreted in the beginning, with potential catastrophic consequences
- if in doubt, don't hesitate to use other imaging technique

Together We can grow!



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