

Surgical Treatment of Complicated Endocarditis

- V.G., male, 52 y.o.
- Systemic hypertension
- DM II
- Dyslipidemia
- Mild kidney dysfunction
- History of alcoholism
- Smoke

Symptoms

- General discomfort
- Fever (max 40° C) at evening, from about 3 weeks
- Aspecific symptoms
- Aspecific antibiotic and antipyretic therapy without clinical benefits

- Access to Emergency Department for worsening symptoms
- Blood tests: neutrophilic leukocytosis
- Chest X-ray
- Abdomen and Brain CT scan: negative with no signs of abscesses
- At transthoracic echocardiogram: severe aortic insufficiency

- Transfer to MEH for suspect of aortic valve endocarditis
- At admission in our department:
Systemic pressure 130/50 mmHg
SaO₂ 90%
Diastolic murmur 4/6 Levine

PHILIPS

TIS0.1 MI 0.5

CX7-2t/Adulti

FR 29Hz
12cm

M4

xPlane
61%
61%
50dB
P Off
Gen.



Temp. PAZ.: 37.0C
Temp. TEE: 39.0C

PHILIPS

PHILIPS

TIS0.1 MI 0.5

CX7-2t/Adulti

FR 50Hz
12cm

M4

2D
61%
C 50
P Off
Gen.



JPEG

*** bpm

Temp. PAZ.: 37.0C
Temp. TEE< 37.0C

PHILIPS

PHILIPS

TIS0.7 MI 0.4

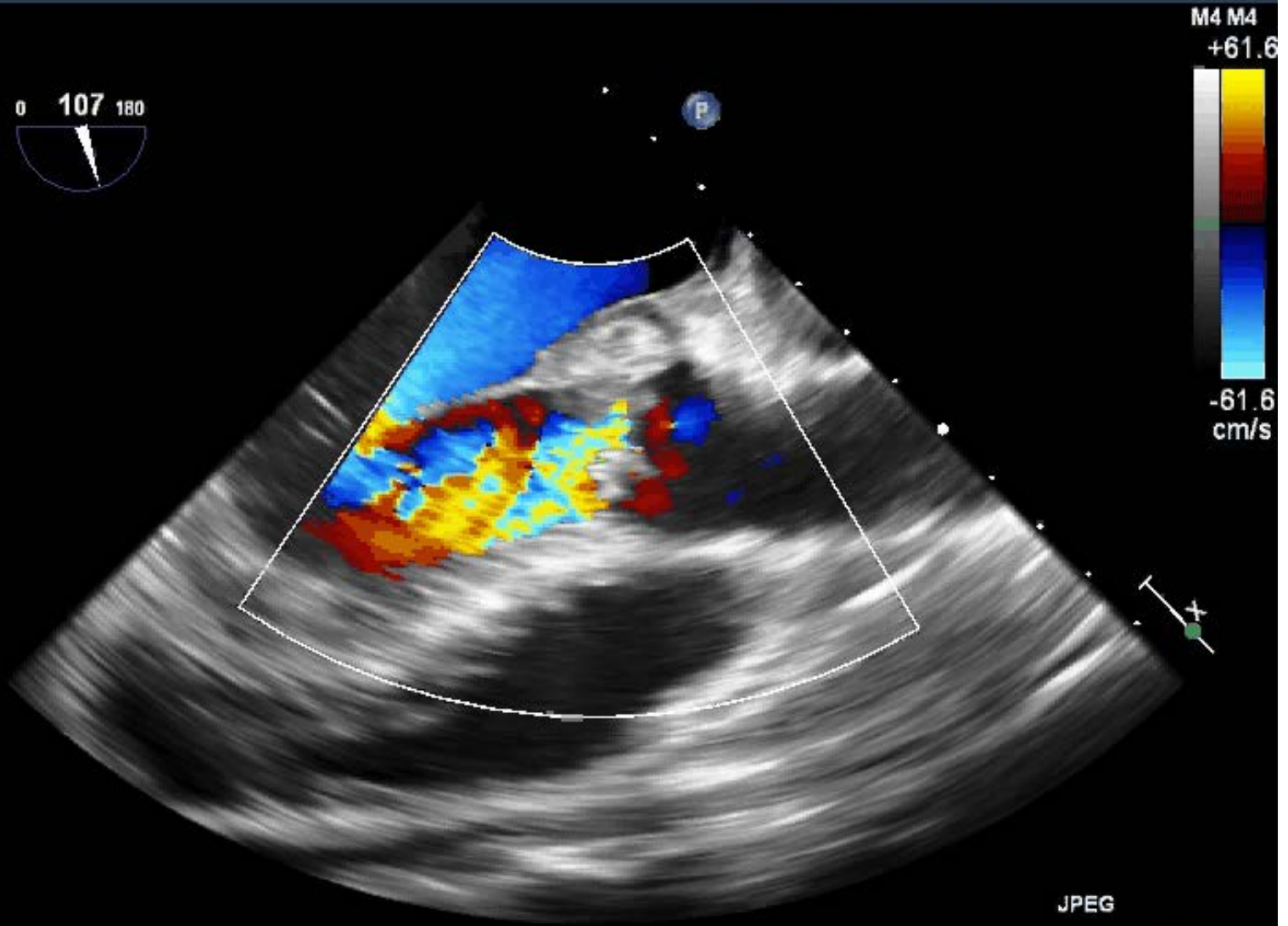
CX7-2t/Adulti

FR 13Hz
12cm

2D
64%
C 50
P Off
Gen.



CF
59%
4.4MHz
WF Alto
Med.



JPEG

*** bpm

PHILIPS Temp. PAZ : 37.0C
Temp. TEE : 38.9C

2015/02/20

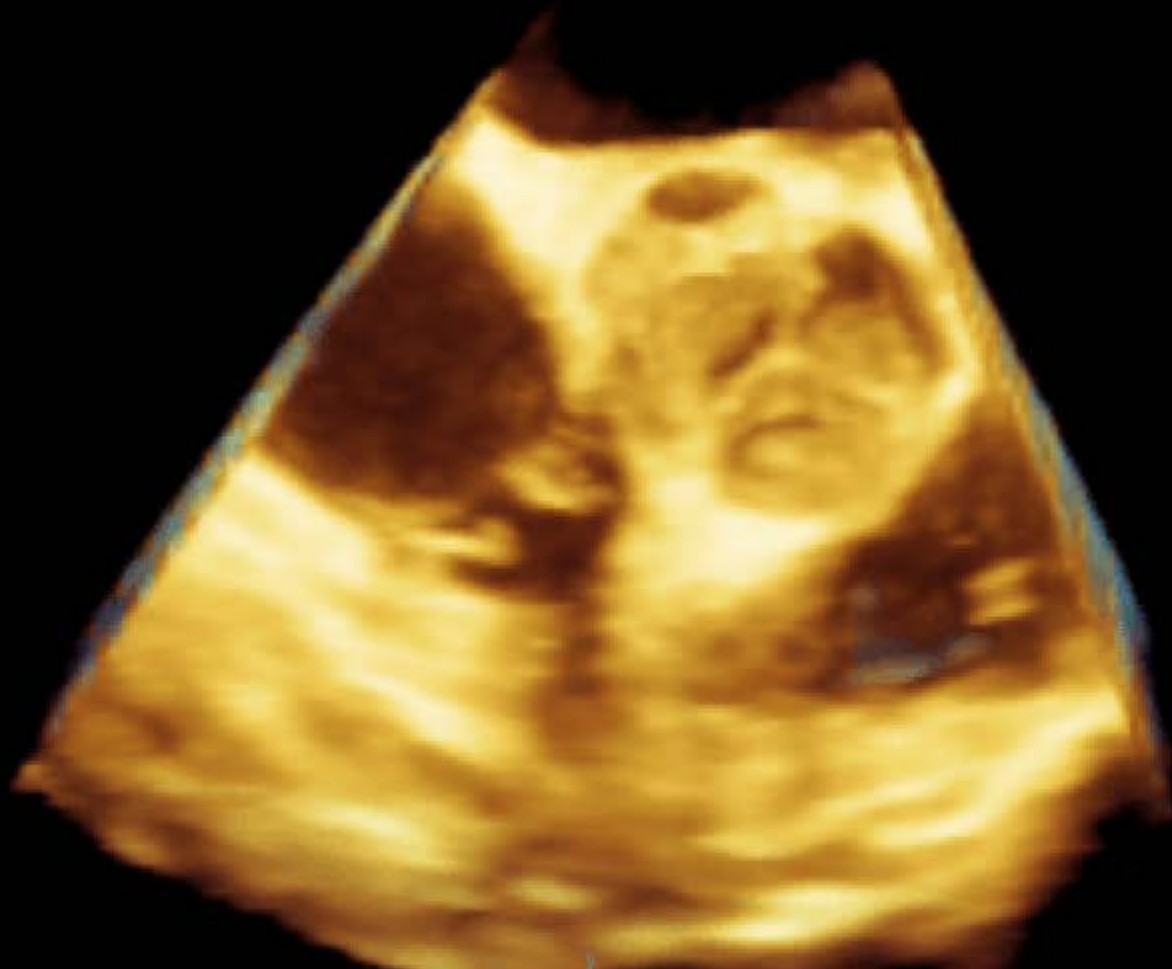
04:01:03PM

Maria Eleonora Hospital

VR 18Hz
2cm



ive 3D
D 50%
D 50dB



3D↑

Surgical procedure

- Reconstruction of mitro-aortic junction with autologous pericardial patch
- Aortic valve replacement with mechanical prosthesis

Blood and native aortic valve leaflets
fragment cultures negative (???)

PHILIPS

TIS0.5 MI 1.2

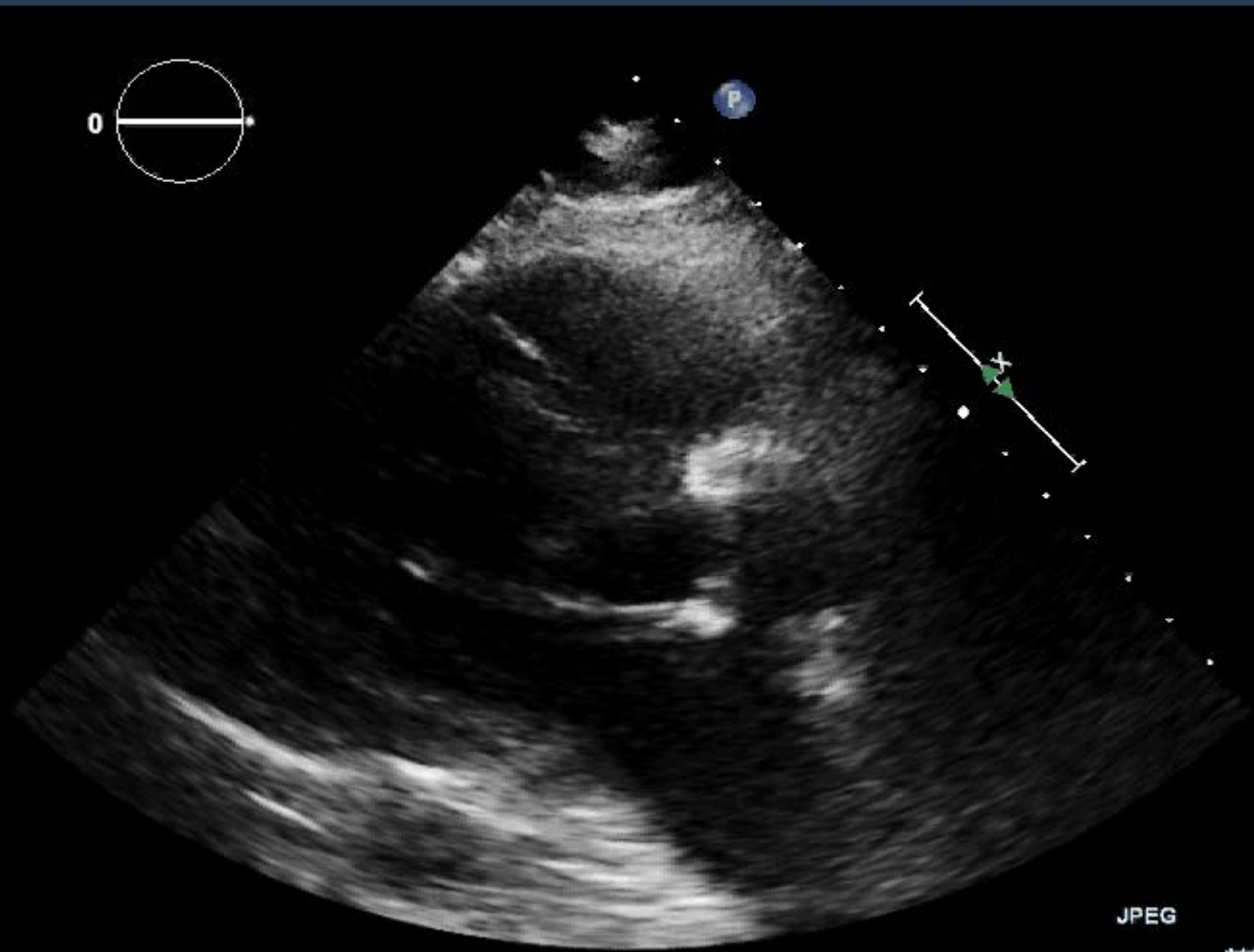
X5-1/Adultl

FR 50Hz
15cm

2D
66%
C 50
P Bassa
AGen



M3



JPEG

*** bpm

PHILIPS

PHILIPS

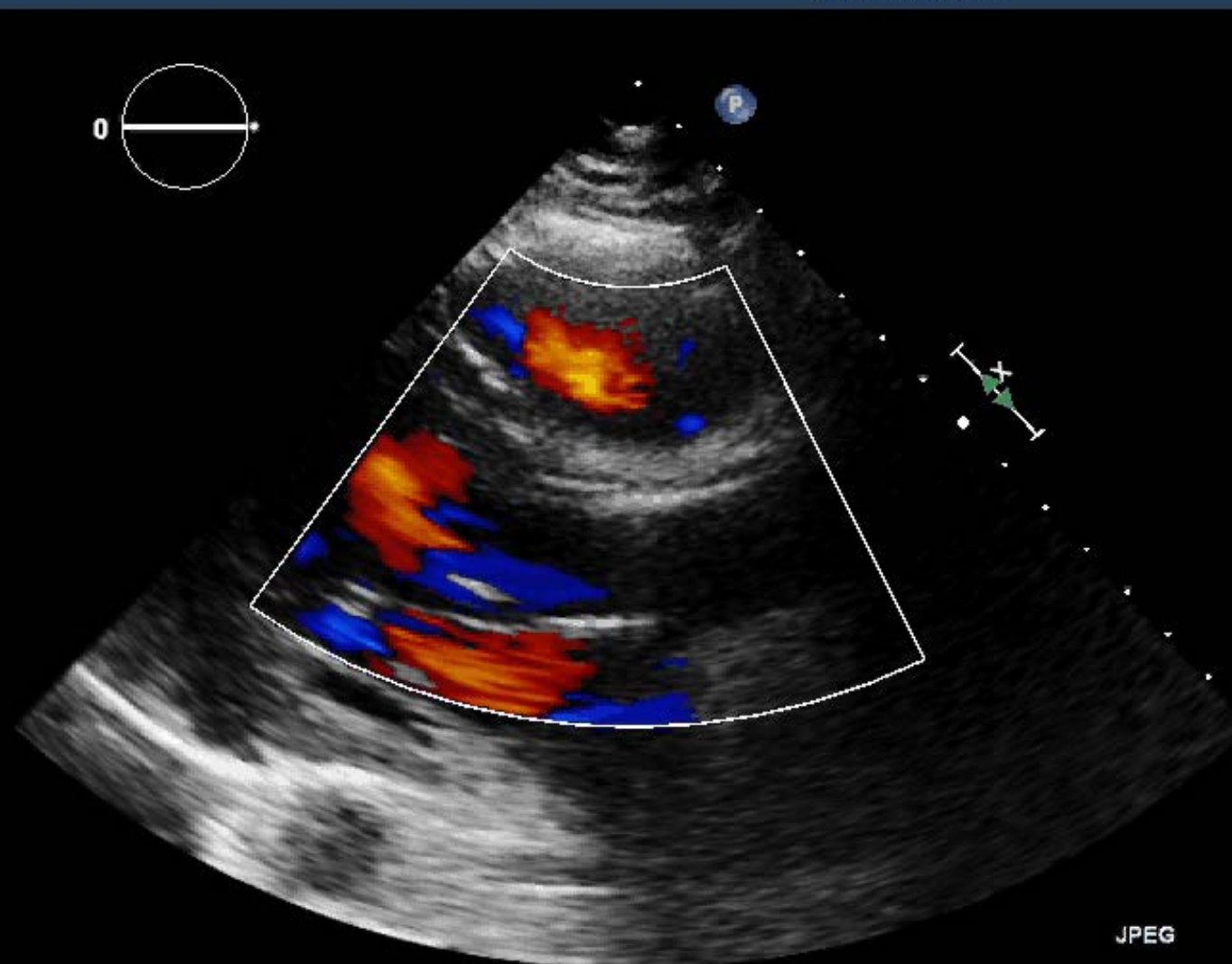
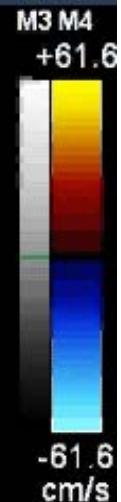
TIS0.6 MI 1.0

X5-1/Adulti

FR 11Hz
15cm

2D
68%
C 50
P Bassa
AGen

CF
63%
2.5MHz
WF Alto
Med.



JPEG

*** bpm

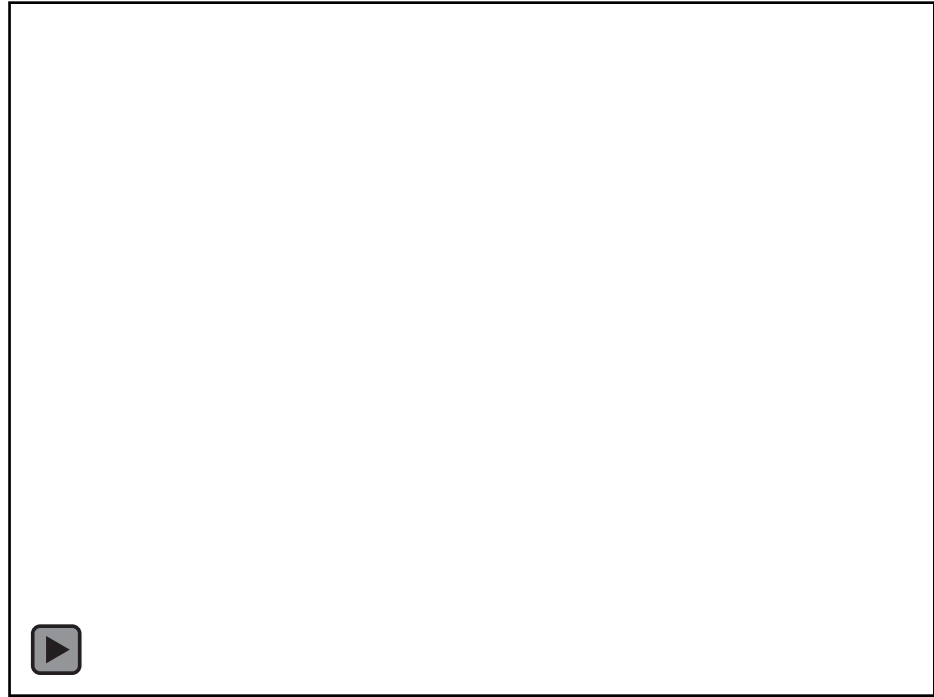
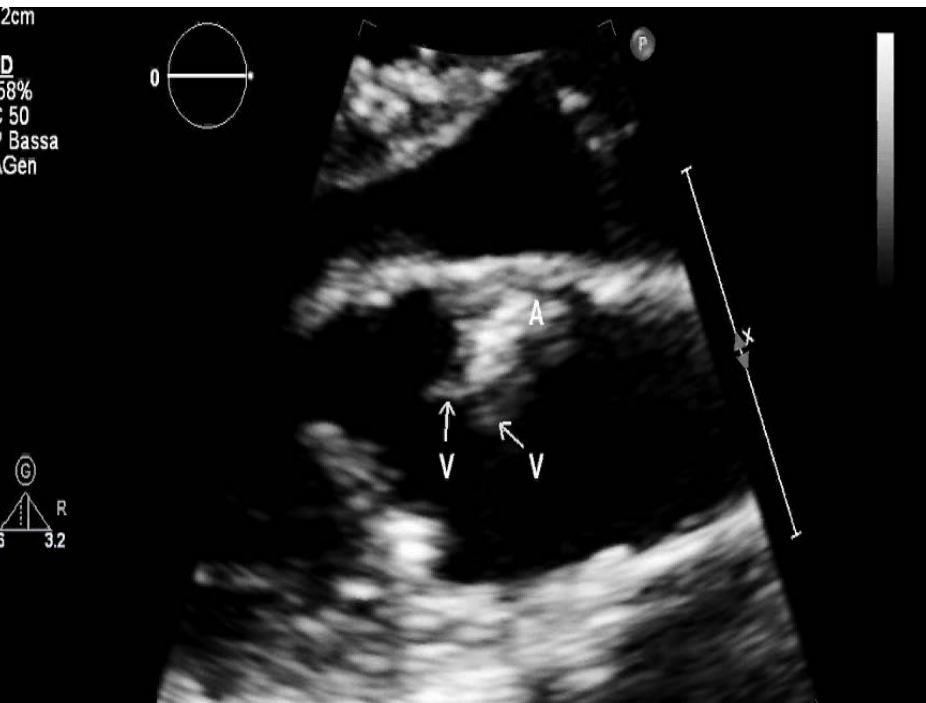
PHILIPS

Mitral Case

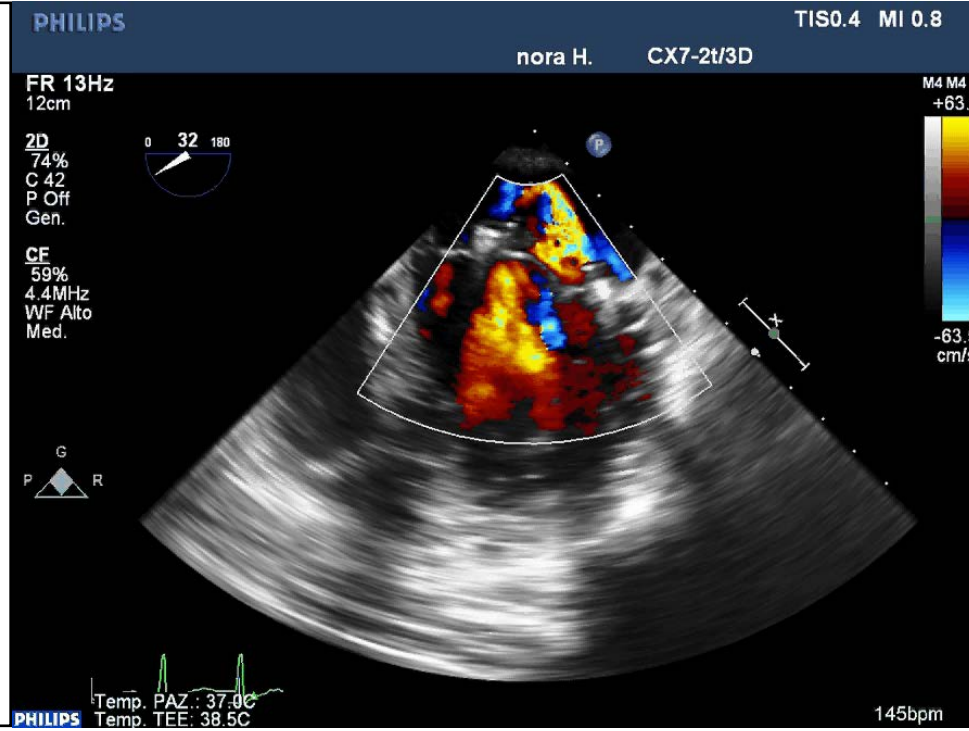
- 28 o.y. Man
- Previous mitral valve repair
- Fever (38° C) since 2-3 weeks
- Aspecific antibiotic and antipyretic therapy without clinical benefits

- Access to our Department for worsening symptoms
- Blood tests: No neutrophilic leukocytosis
- High GOT, GPT
- Chest X-ray normal
- At transthoracic echocardiogram: mitral valve infection
- Abdomen and Brain CT scan: negative with no signs of abscesses

TTE



TOE



Surgical procedure

- Prosthetic ring removed
- Debridment of anterior leaflets
- Direct suture of AL perforation
- Infected Chordal removal and replacement with GoreTex neochord
- Posterior annuloplasty with autologous patch strip

Post re-repair

