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Rajaei Heart Center

Tehran Iran

Tir1388, July 2009

**A 21 Yr. Gentleman
Presented by:**

**DOE FC II-III
Early fatigue**

PMH: Negative



FARHADI, FARSHAD
Rajale Hospital

ID: 601319
23

CardiacUS
6T

9:48:59
05-May-09



1 Area= 1.50 cm²



2D 12 cm
51 f/s
f: 2.9 MHz H
DR: 60 dB
R: 0.0 G: 60



P: -2dB
TIs: 2.4
MI: 1.2



3094
0:20:35

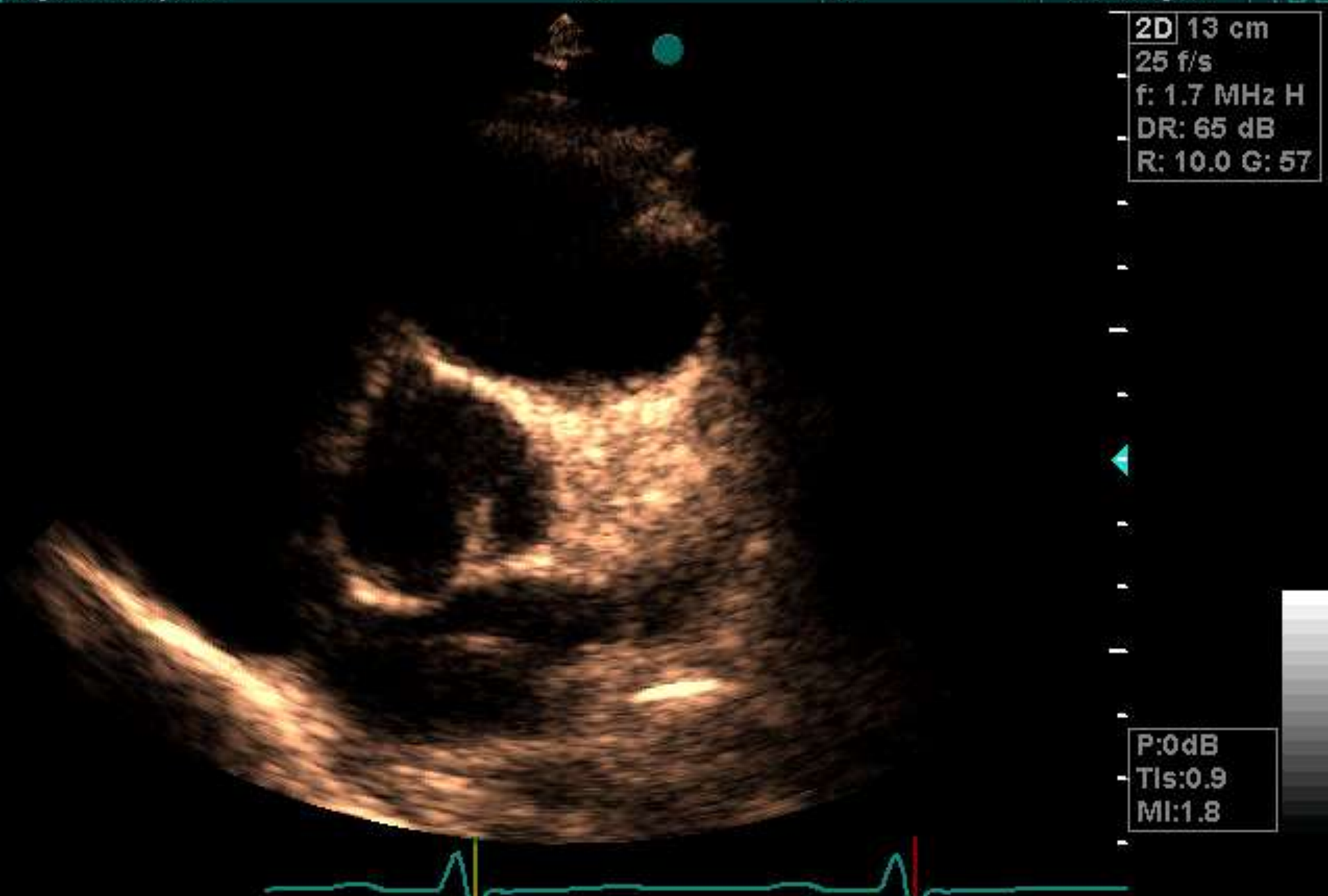


2D 12 cm
51 f/s
f: 2.9 MHz H
DR: 60 dB
R: 0.0 G: 60

P: -2dB
TIs: 2.4
MI: 1.2

HR: 85 BPM





2D | 13 cm
25 f/s
f: 1.7 MHz H
DR: 65 dB
R: 10.0 G: 57

P:0dB
TIs:0.9
MI:1.8

HR: 79 BPM



1 Area= 1.11 cm²



2D 13 cm
25 f/s
f: 1.7 MHz H
DR: 65 dB
R: 10.0 G: 57



P:0dB
TIs:0.9
MI:1.8

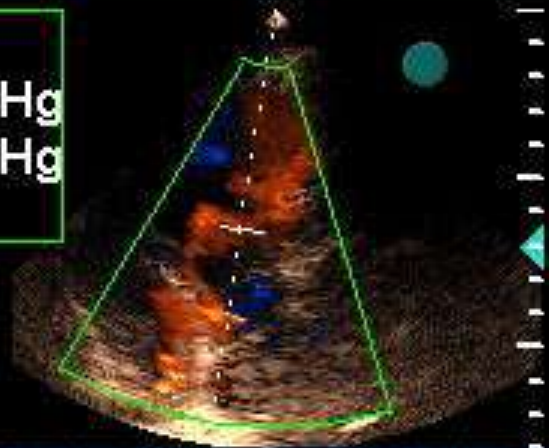


3094
0:03:07





1 AVpeakV= 4.37 m/s
PeakPG = 76.56 mmHg
MeanPG = 51.45 mmHg
AV VTI = 95.86 cm

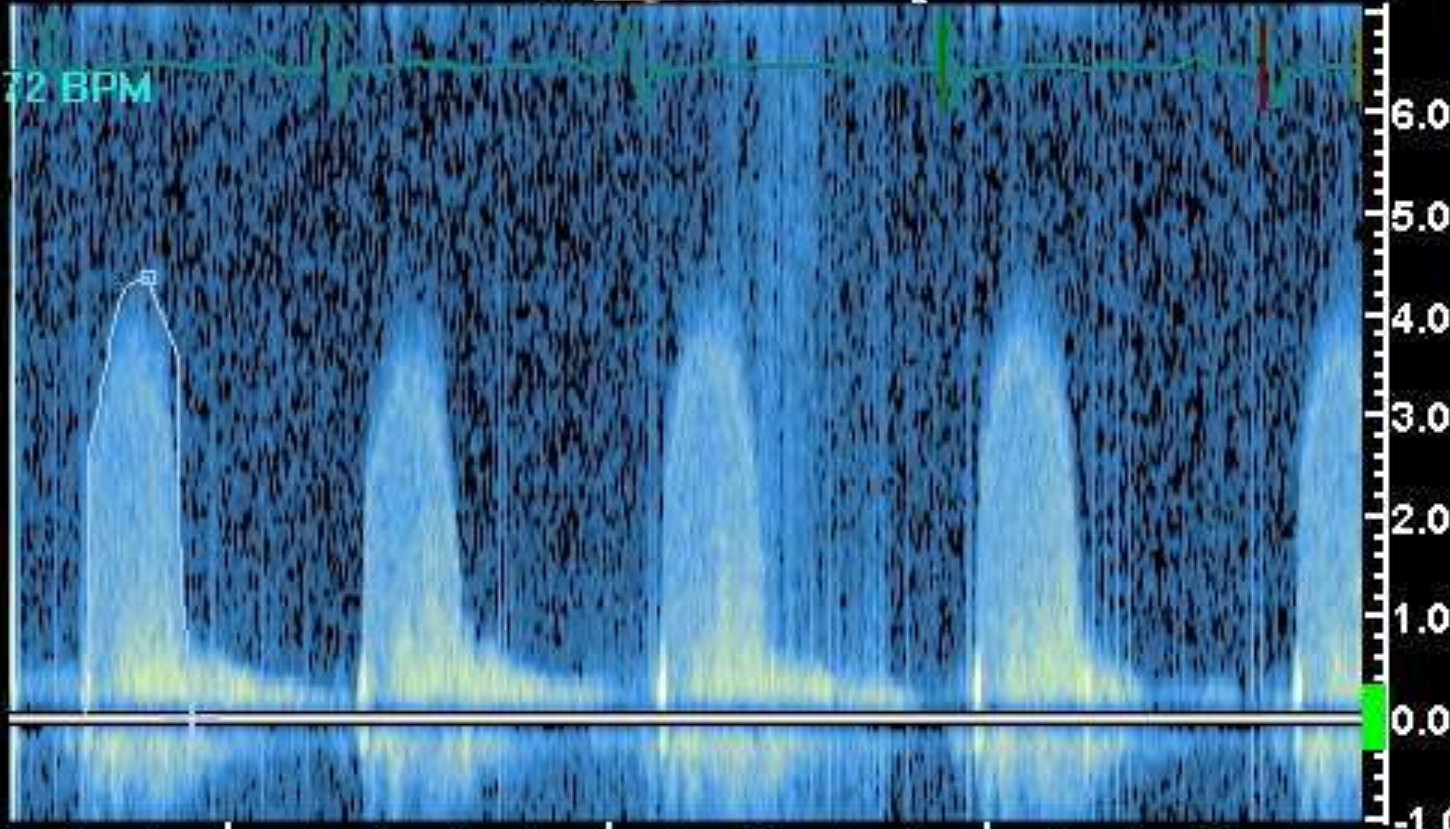


2D 13 cm
12 f/s
f: 1.7 MHz H
DR: 65 dB
R: 12.0 G: 72

CFM G: 57
f: 2.2 MHz
PRF:3500Hz
LVR:1.2cm/s

CW G: 100
f: 1.82 MHz
VEL:8.1m/s
LVR:32cm/s
Ø:0°

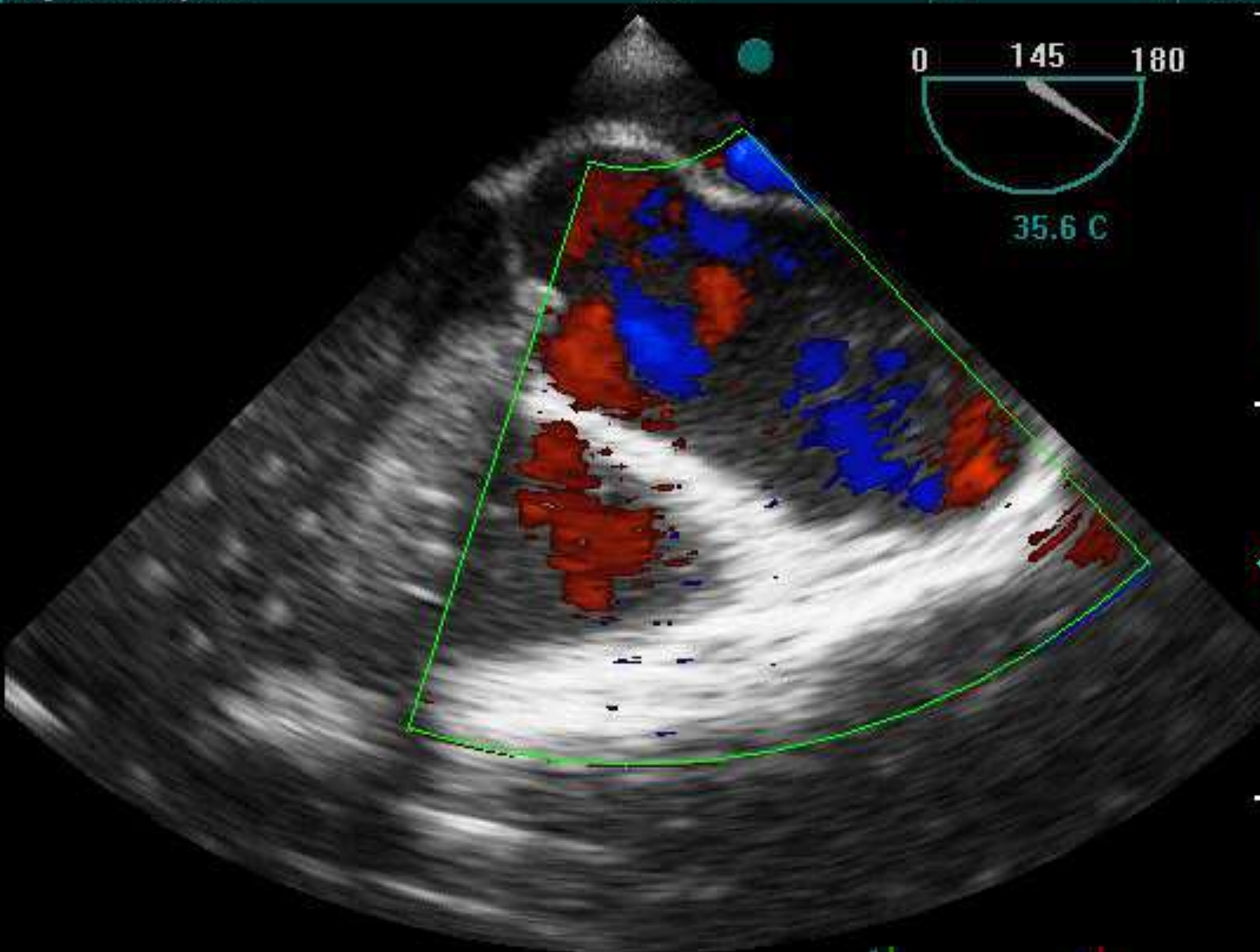
HR: 72 BPM



P:0dB
TIs:0.7
MI:0.1



3094
0:18:34



2D 12 cm
14 f/s
f: 2.9 MHz H
DR: 60 dB
R: 0.0 G: 60

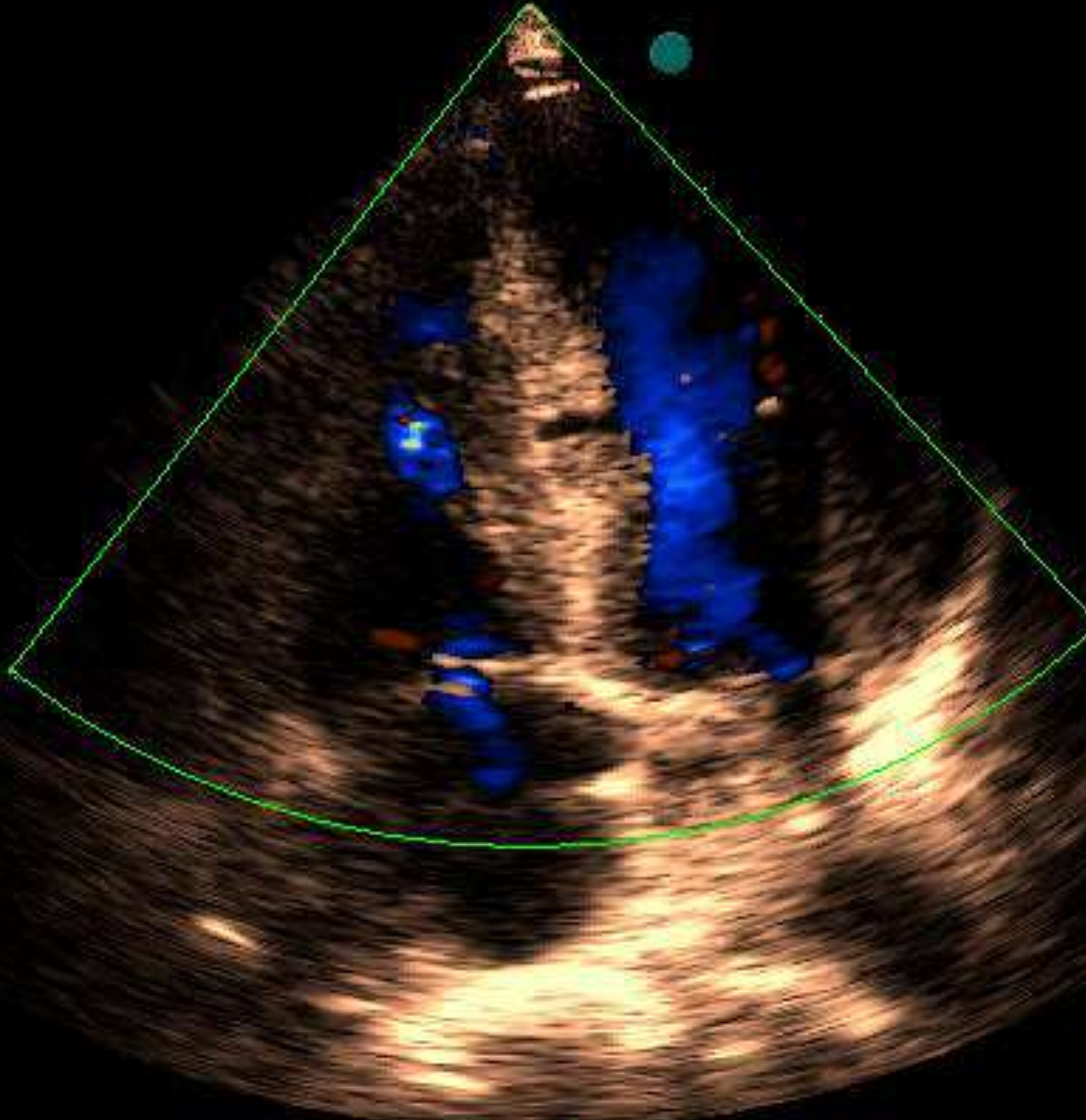
CFM G: 60
f: 4.4 MHz
PRF: 6900 Hz
LYR: 1.8 cm/s

P: -2 dB
TIs: 4.2
MI: 1.2



HR: 91 BPM





2D 17 cm
7 f/s
f: 1.7 MHz H
DR: 65 dB
R: 12.0 G: 68

CFM G: 57
f: 2.2 MHz
PRF: 3500 Hz
LYR: 1.2 cm/s

P: 0 dB
TIs: 1.7
MI: 1.7



HR: 64 BPM



1 Distance= 3.13 cm

2D 16
25 f/s
f: 1.7
DR: 65
R: 10

Muscular VSD



P
TI
M

22Yr-M, FARSHAD
584
57
9



22Yr-M, FARSHAD
7534

SHAHID

FARHADI-22Yr-M, FARSHAD
88/2/15-375584
*05-May-1987
05-May-2009
11:42:27.28
605 IMA 6
VRT 13

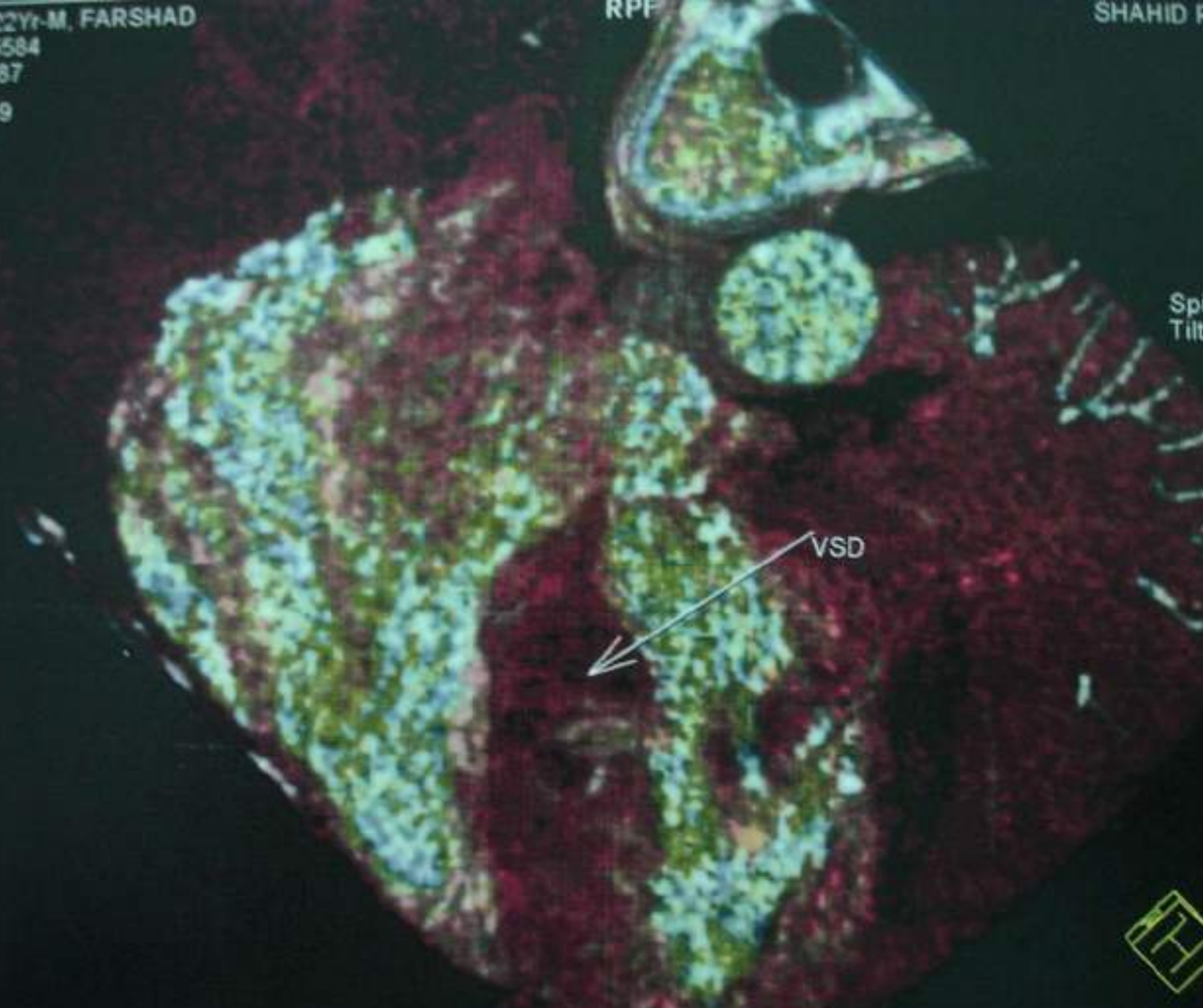
RPF

SHAHID RAJAE
S

Spin: -78
Tilt: 99

ARF

VSD



In Summary

Sever AS & B.A.V

Sever Co.A

Dilated Asc.Aora

Muscular VSD

Operative Management

Classic Two Stage

Surgical or Percutaneous?

First Stage?

Single Stage:

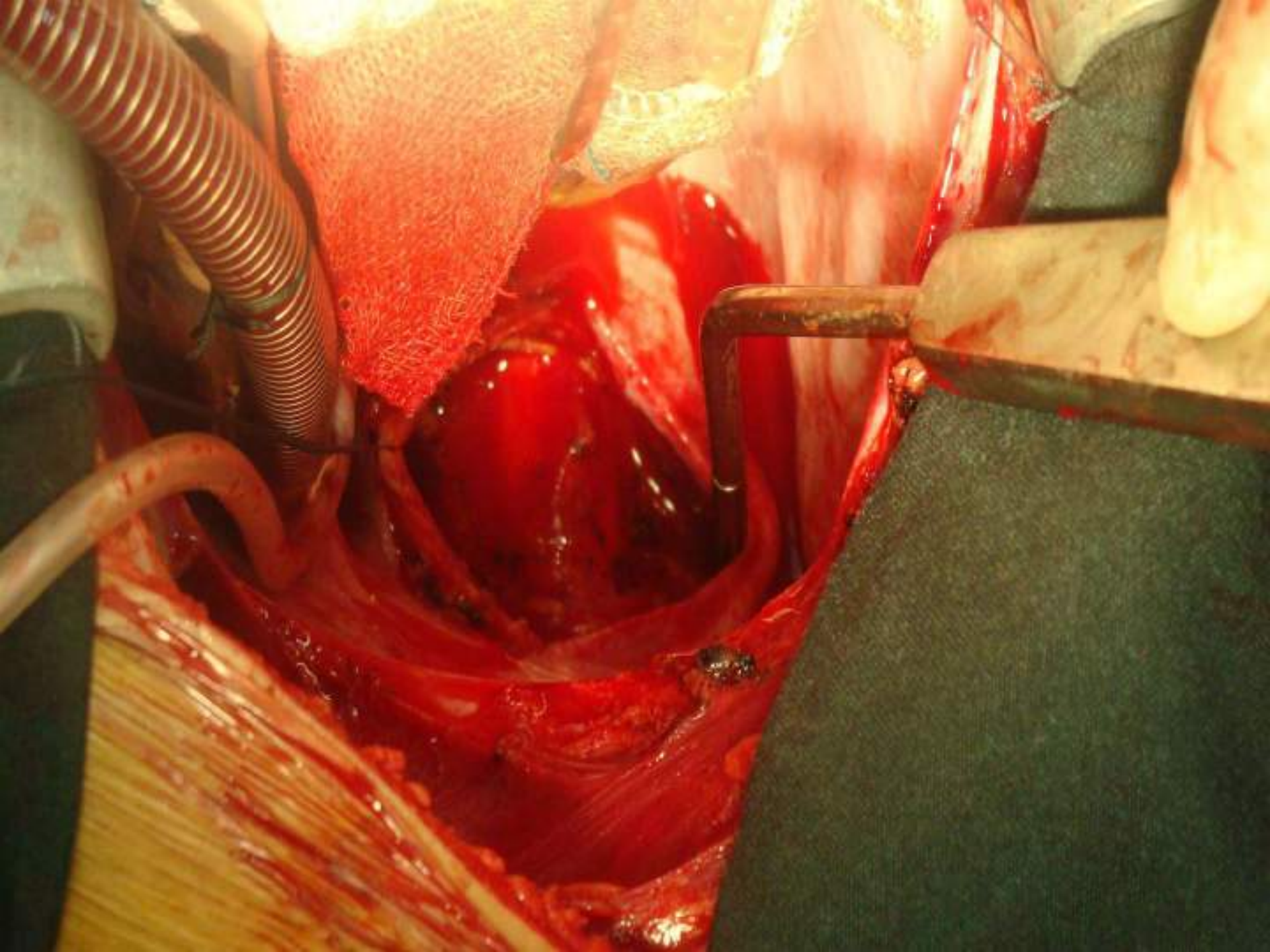
1. Median Sternotomy
(Anatomic or Extra-anatomic)

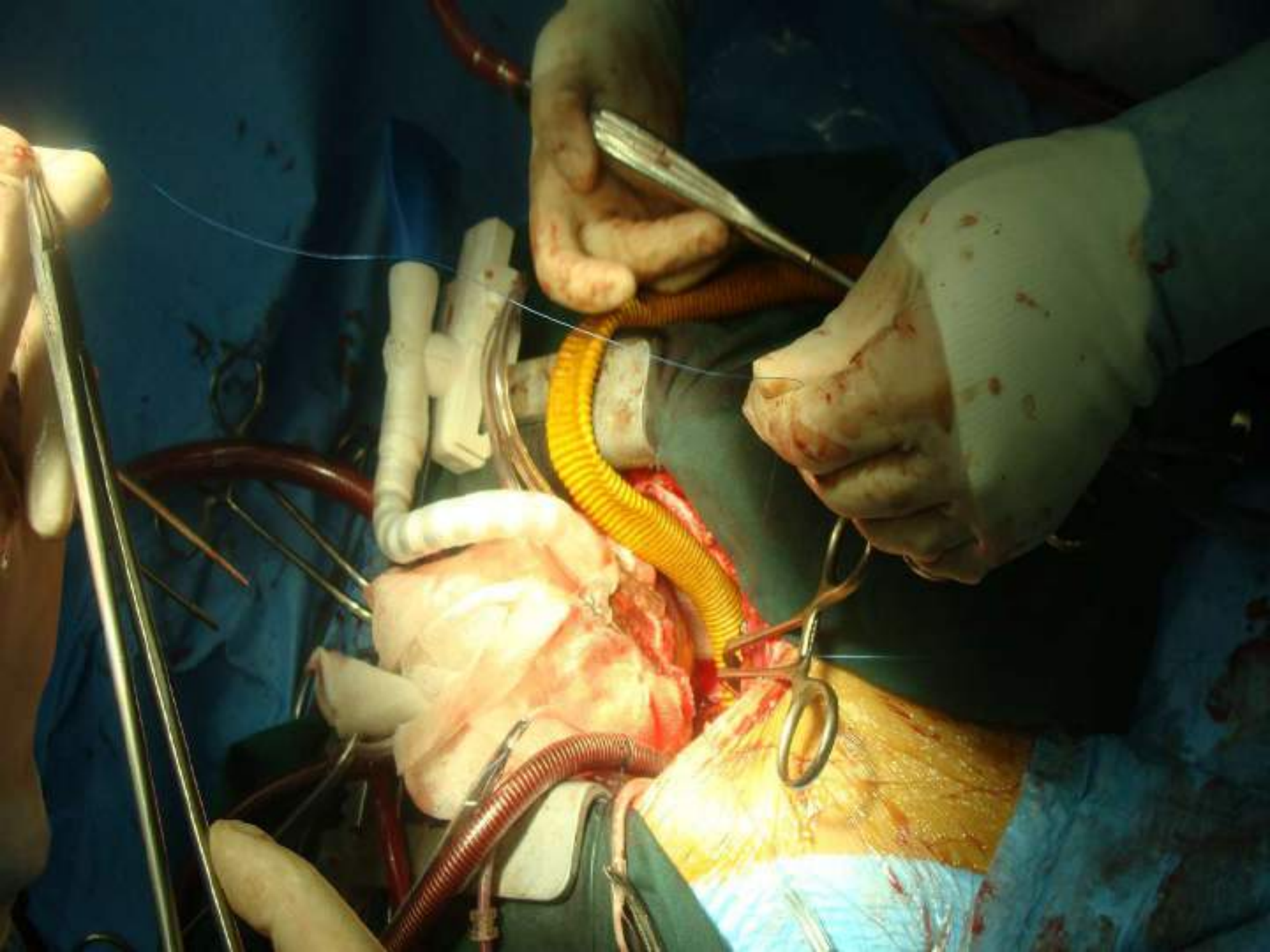
2. Hybrid Approach

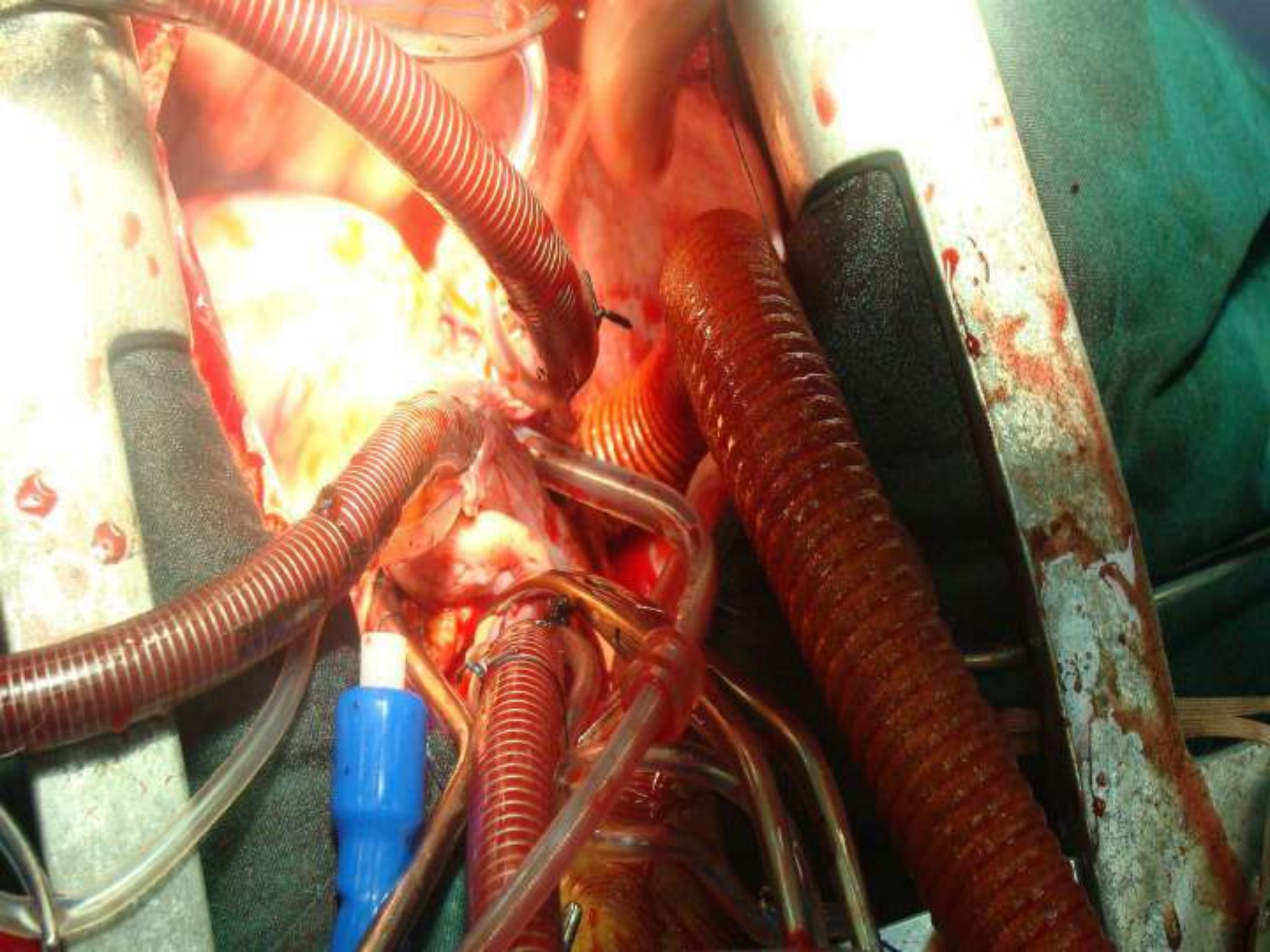
Our Surgical Approach:

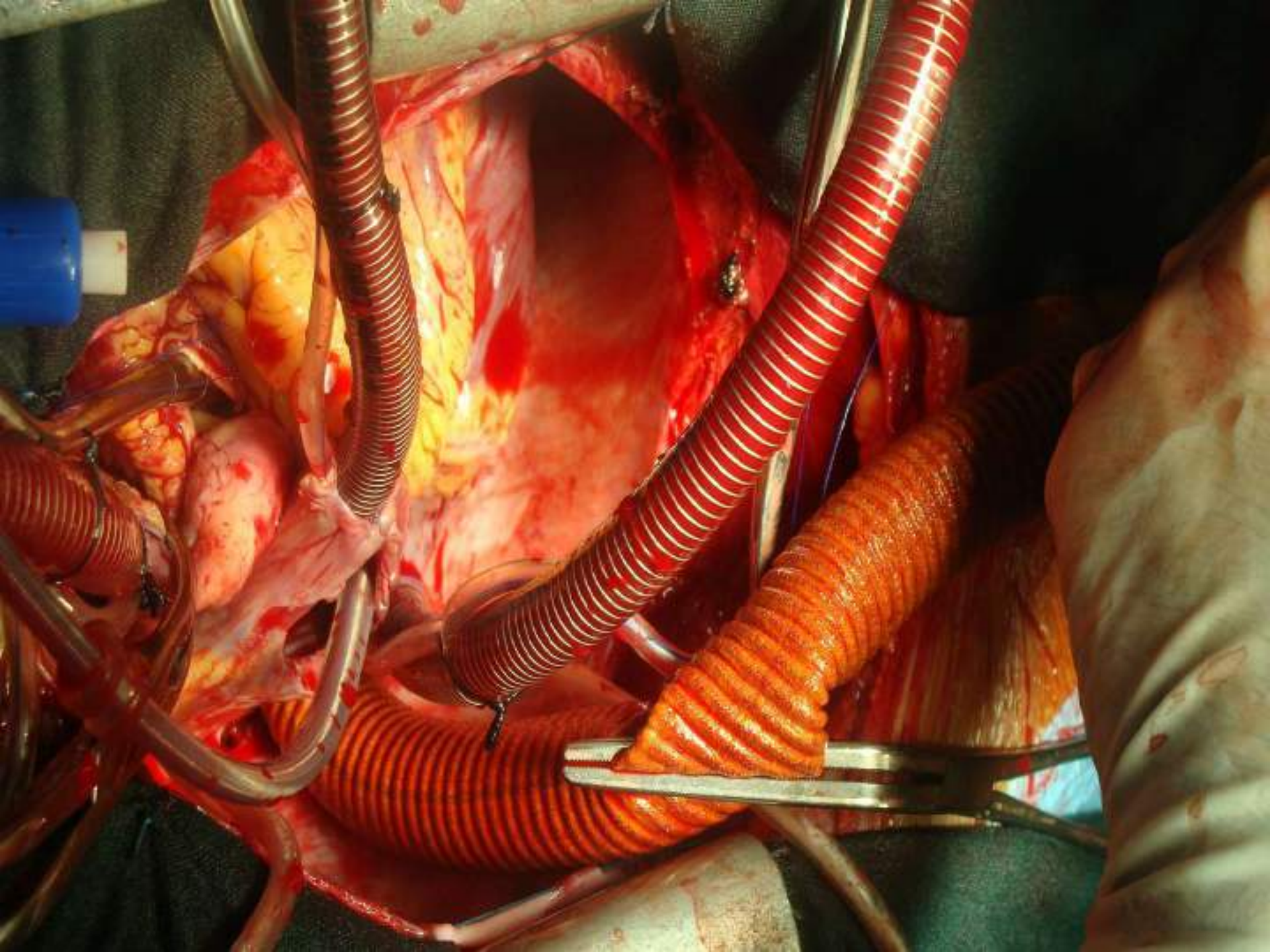
Single stage Complete Repair

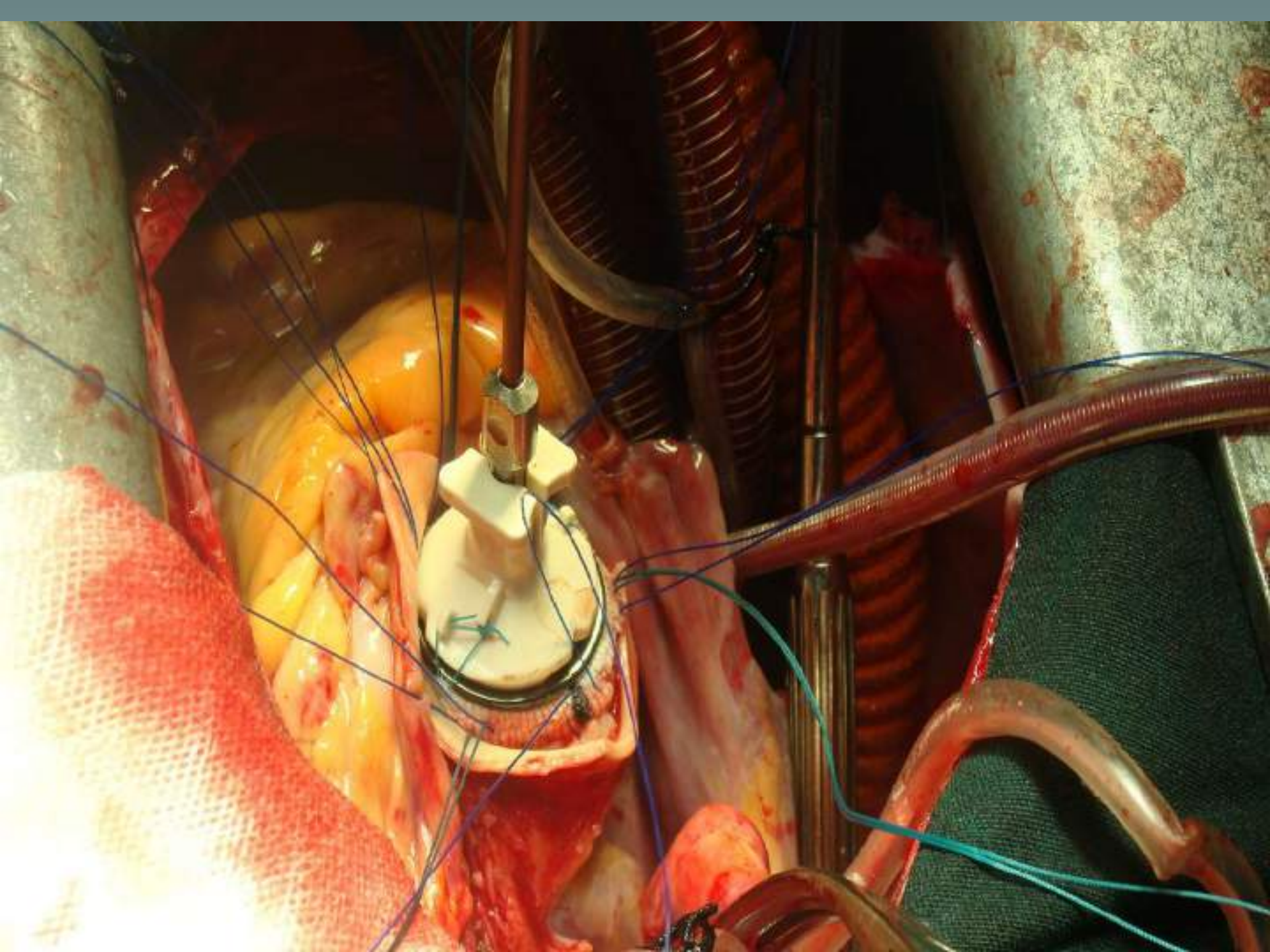
- 1. Ascending- Descending Posterior pericardial Bypass for Co-A repair (18 mm. Dacron Tube Graft)**
- 2. AVR with Mechanical Valve (23 mm St. Jude)**
- 3. VSD closure with Gore-Tex Patch**
- 4. Ascending Aorta Interposition graft (26 mm Dacron Tube Graft)**

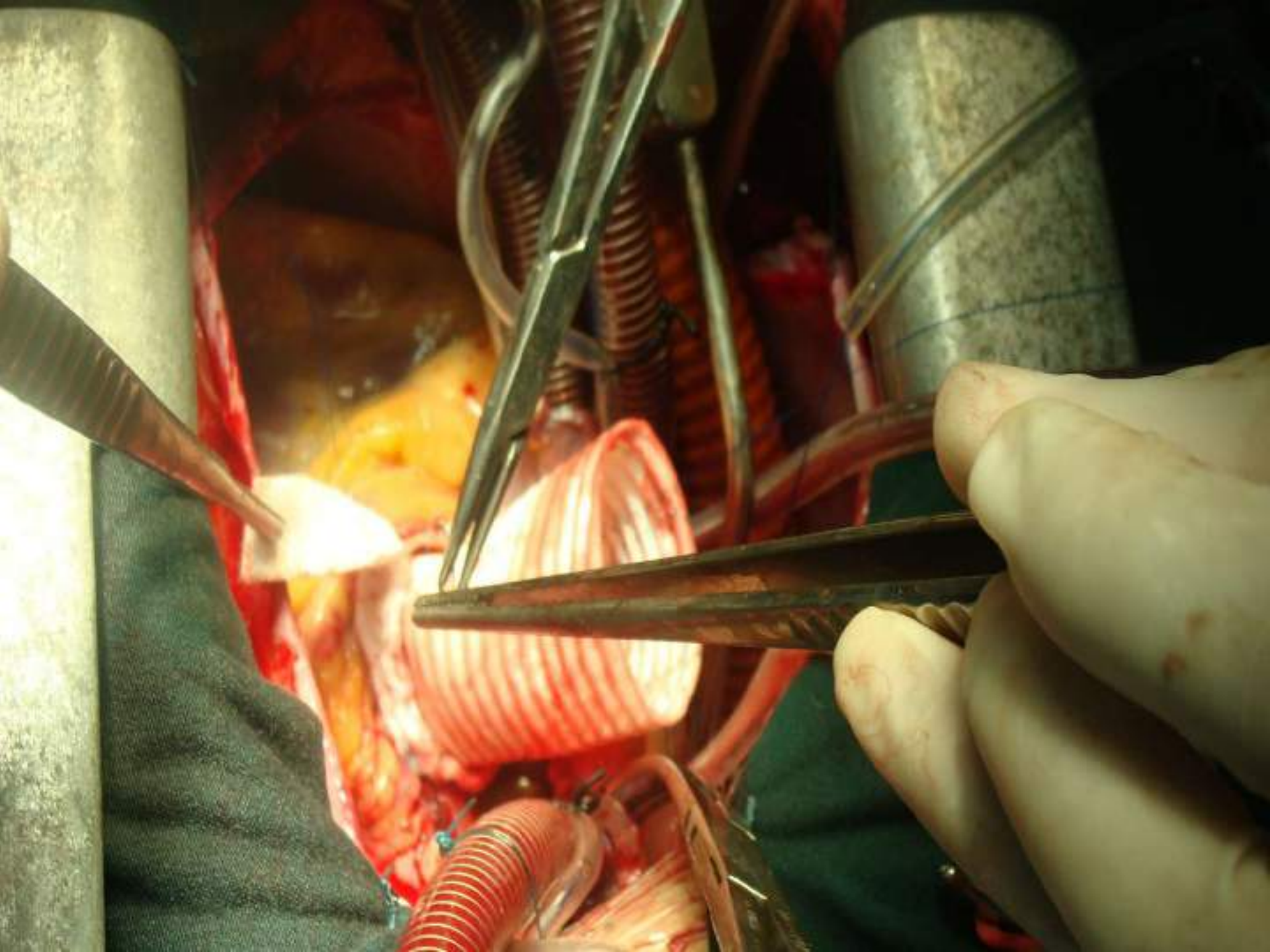


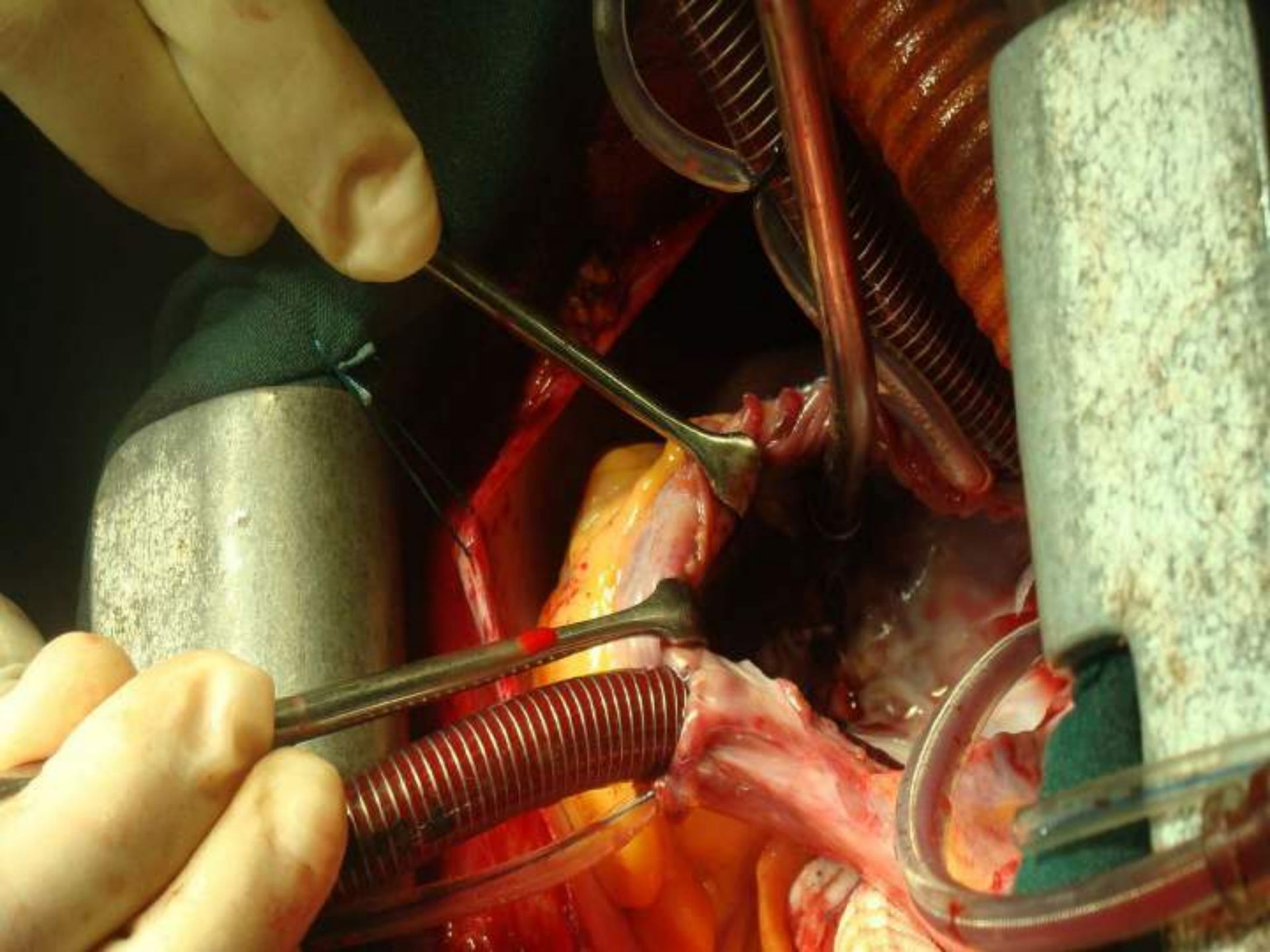


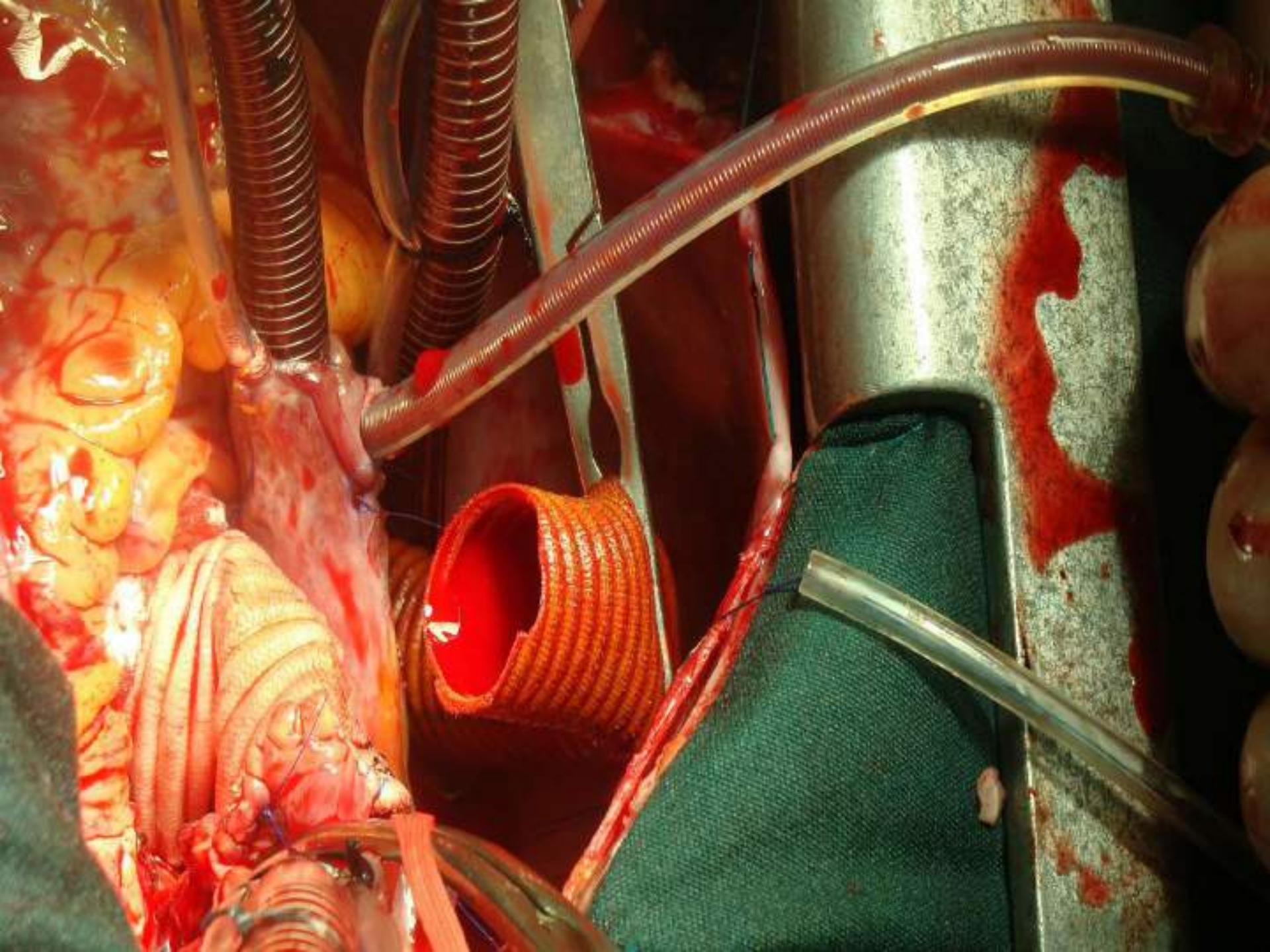




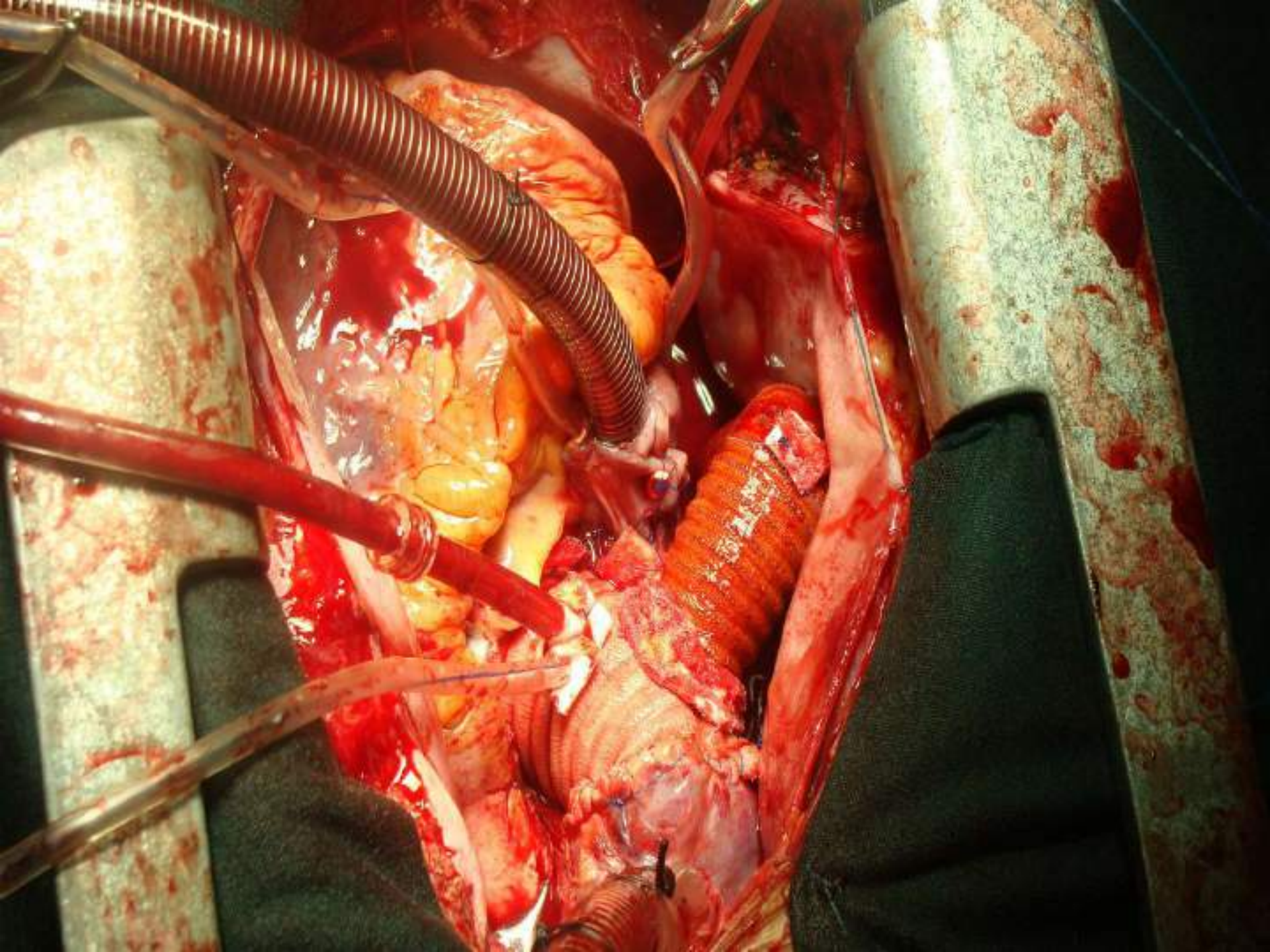




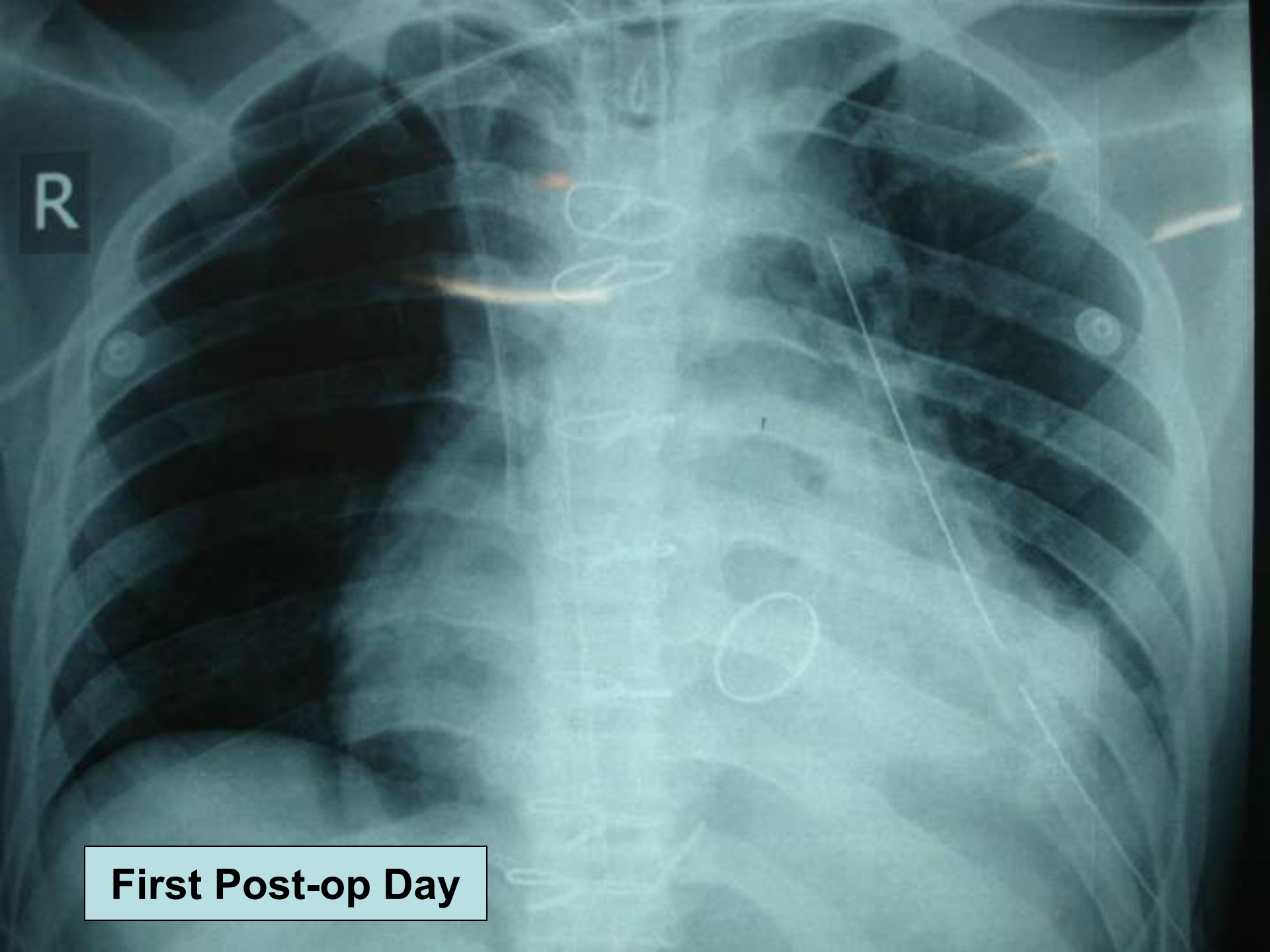






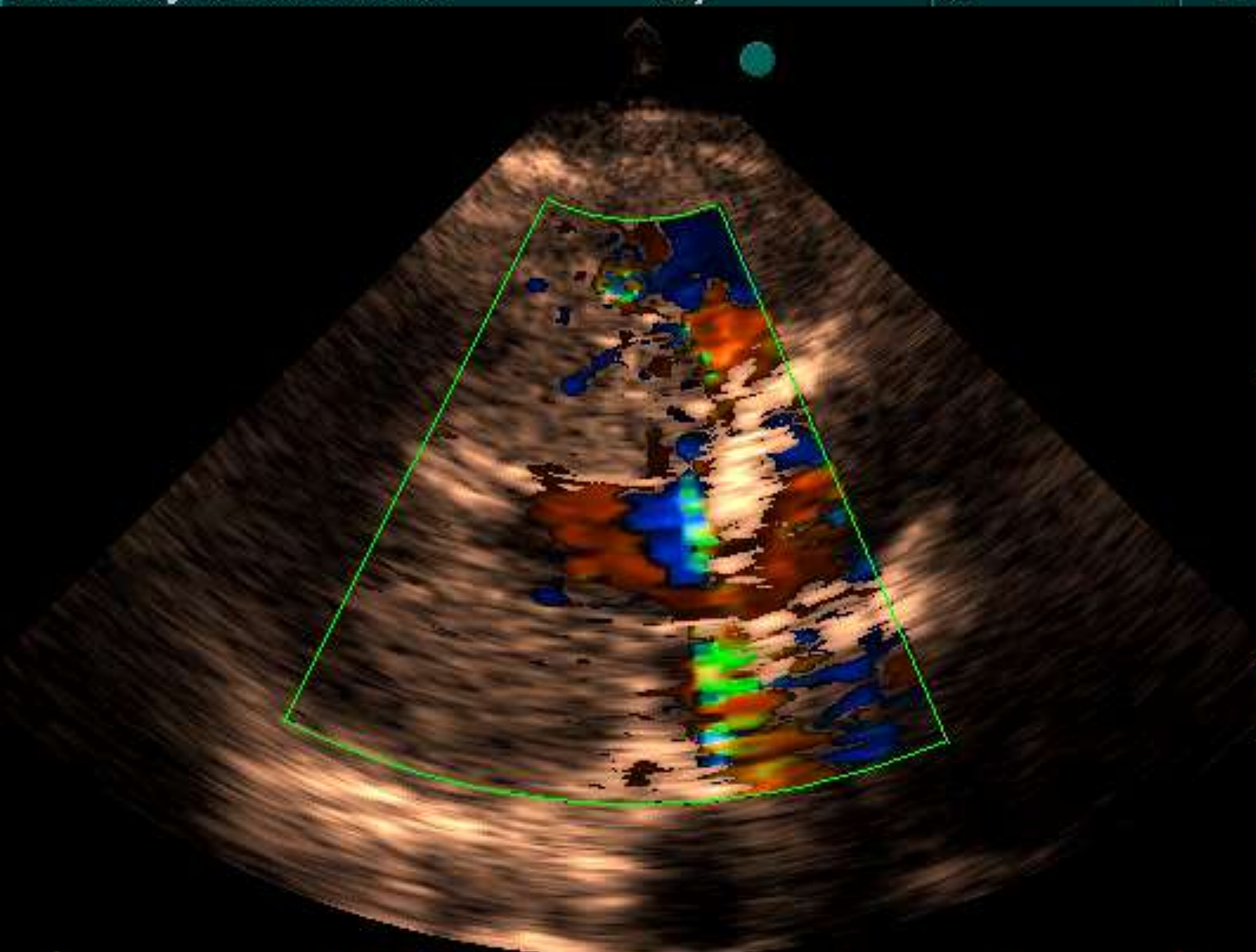


Postoperative Finding



R

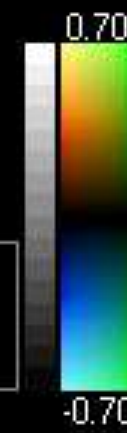
First Post-op Day



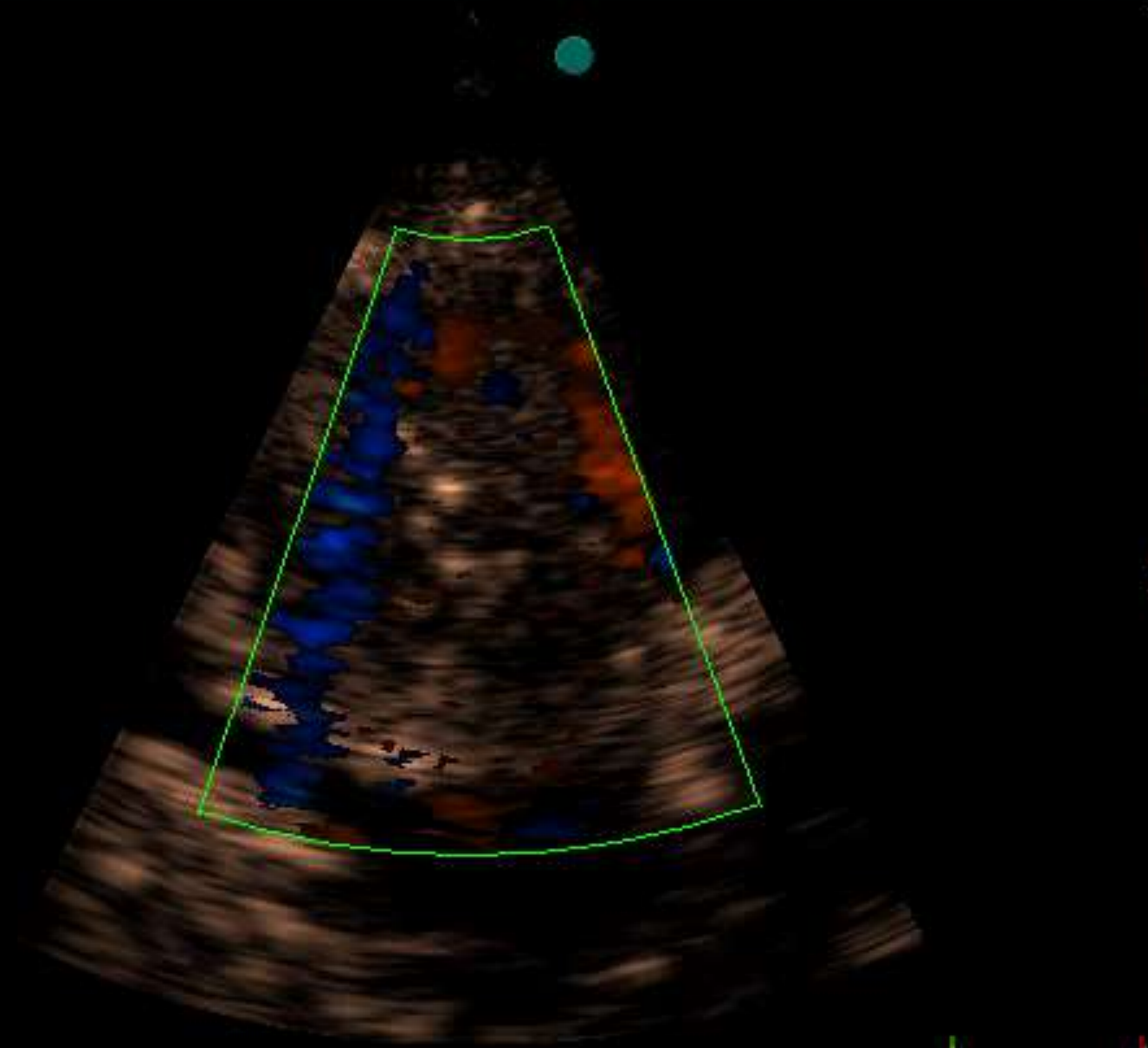
2D 13 cm
12 f/s
f: 1.7 MHz H
DR: 65 dB
R: 4.0 G: 49

CFM G: 62
f: 2.2 MHz
PRF:4000Hz
LYR:2.9cm/s

P:0dB
TIs:1.3
MI:1.2



HR: 96 BPM



2D 9 cm
16 f/s
f: 1.7 MHz H
DR: 65 dB
R: 4.0 G: 43

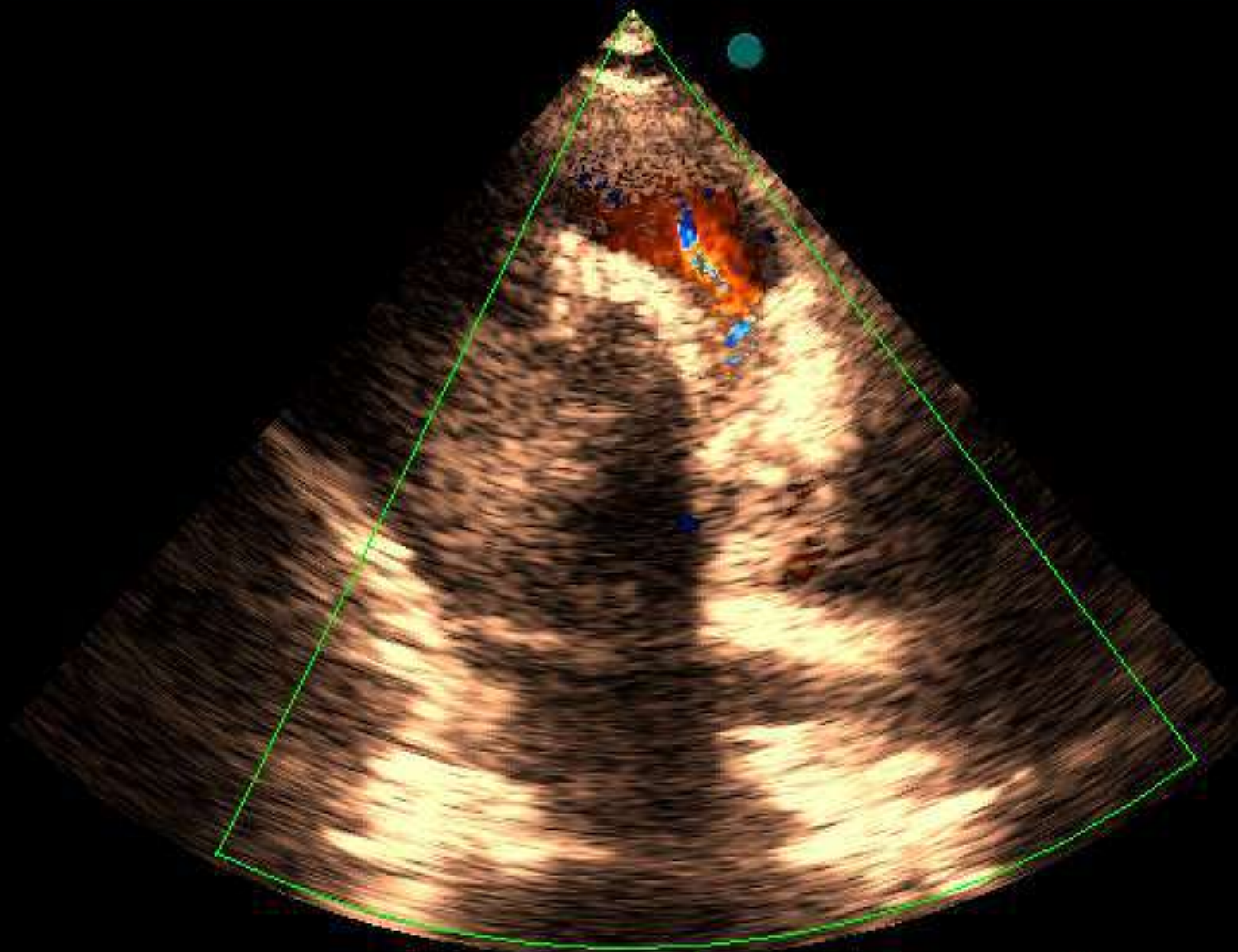
CFM G: 62
f: 2.2 MHz
PRF:4000Hz
LYR:2.9cm/s

P:0dB
TIs:0.5
MI:1.2



HR: 117 BPM



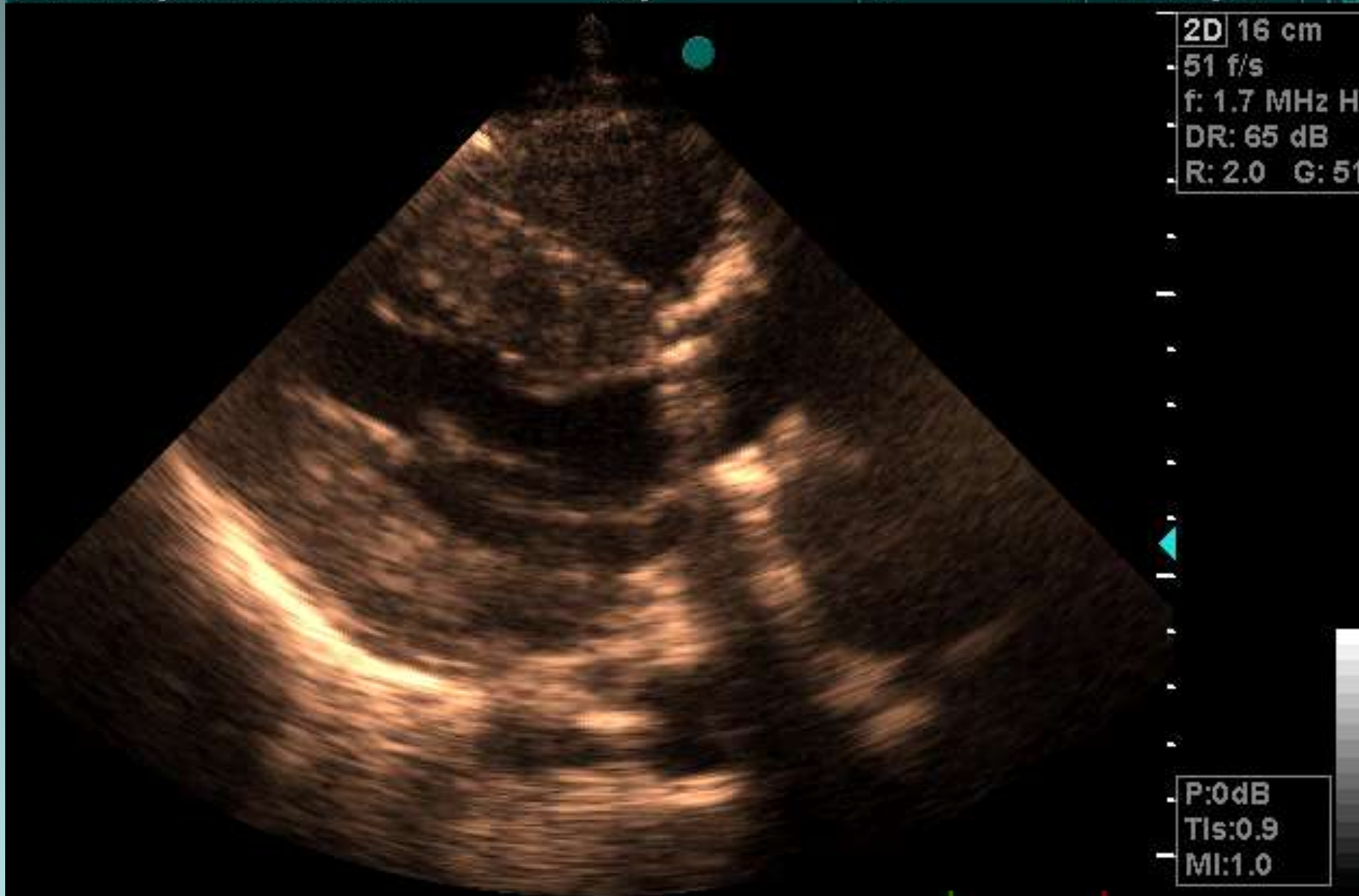


2D 16 cm
7 f/s
f: 1.7 MHz H
DR: 65 dB
R: 12.0 G: 63

CFM G: 57
f: 3.6 MHz
PRF: 3500 Hz
LYR: 0.8 cm/s

P: 0 dB
TIs: 0.3
MI: 1.8





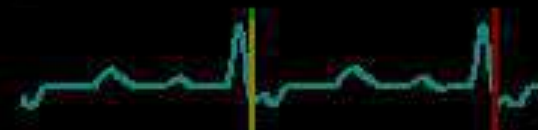
HR: 117 BPM

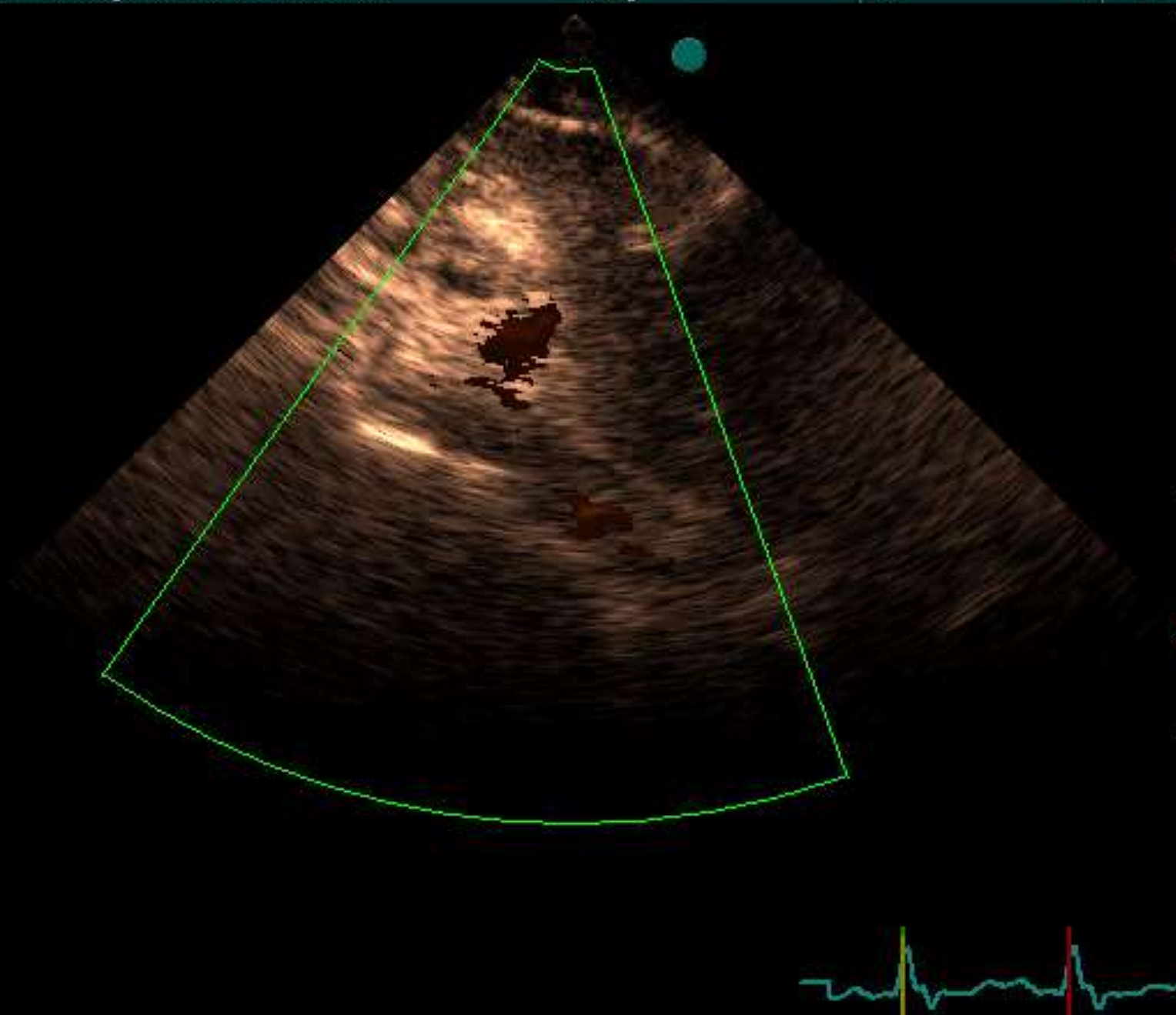


2D 16 cm
28 f/s
f: 1.7 MHz H
DR: 65 dB
R: 10.0 G: 63

P:0dB
TIs:1.1
MI:1.6

HR: 99 BPM



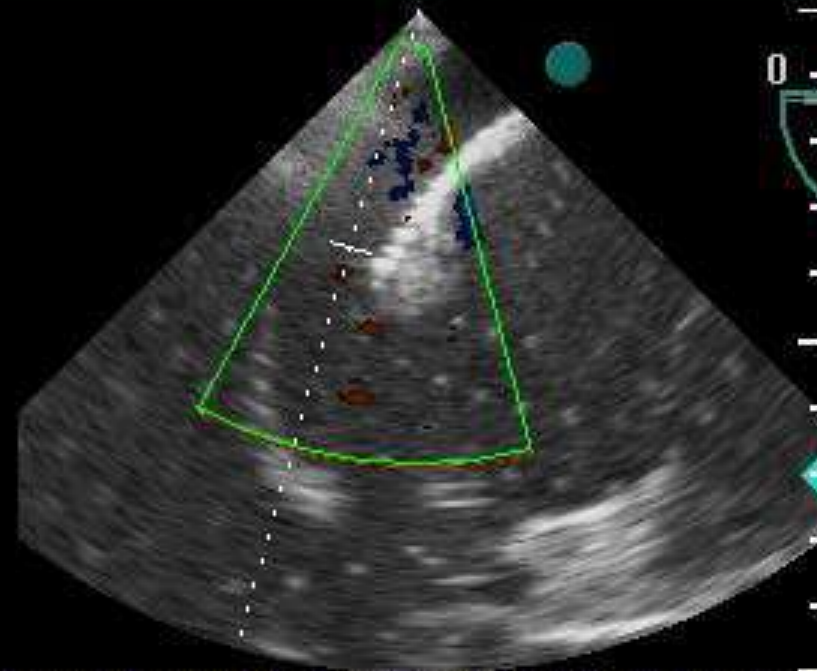


2D 19 cm
10 f/s
f: 1.7 MHz H
DR: 65 dB
R: 4.0 G: 51

CFM G: 62
f: 2.2 MHz
PRF:4000Hz
LYR:2.9cm/s

P:0dB
TIs:1.4
MI:1.0





2D 10 cm
21 f/s
f: 2.9 MHz H
DR: 65 dB
R: 0.0 G: 73

CFM G: 58
f: 3.6 MHz
PRF: 7000 Hz
LYR: 3.2 cm/s

CW G: 70
f: 4.00 MHz
VEL: 4.1 m/s
LVR: 15 cm/s
Ø: 0°



P: -2 dB
TIs: 1.3
MI: 0.0



3104
0:02:23

HR: 100 BPM

Patient's Outcome

The patient was discharged from hospital in NYHA class I with no residual defect or morbidity.

During early follow up period he experienced some degree of orthostatic changes for about 5 weeks but it disappeared spontaneously.