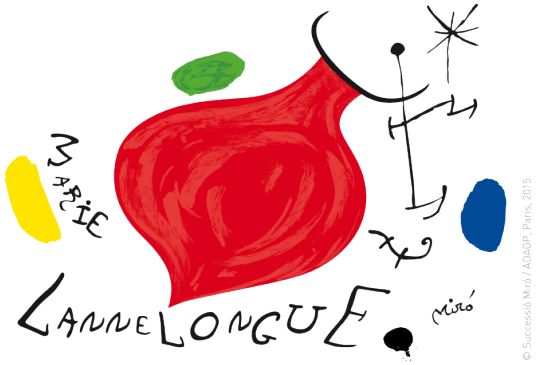
BEVAR for Ruptured Post Dissection TAAA Aneurysms

Stéphan Haulon, D. Fabre, J. Guihaire, R. Ramadan, M. Gaillard,
T. Le Houérau, C. Bosse, A. Gaudin, A. Vallée, P. Deleuze

Aortic Center, Groupe Hospitalier Paris Saint Joseph,
Hôpital Marie Lannelongue, Université Paris Saclay, France

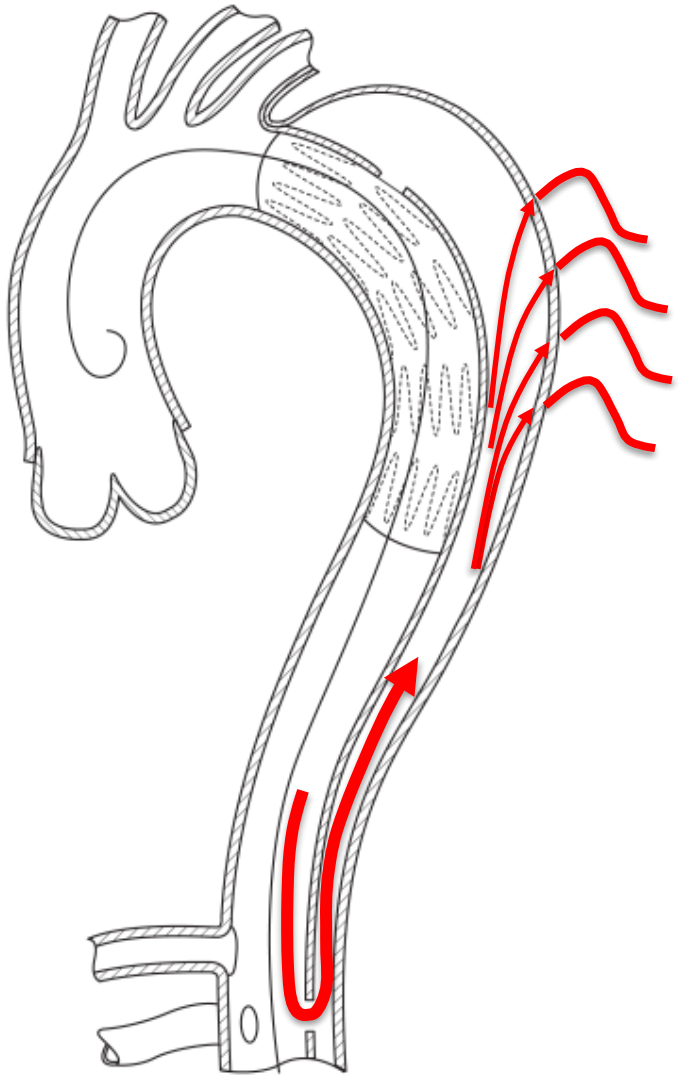




Disclosures

- Research support, Consulting
  - Cook Medical, GE Healthcare, Bentley

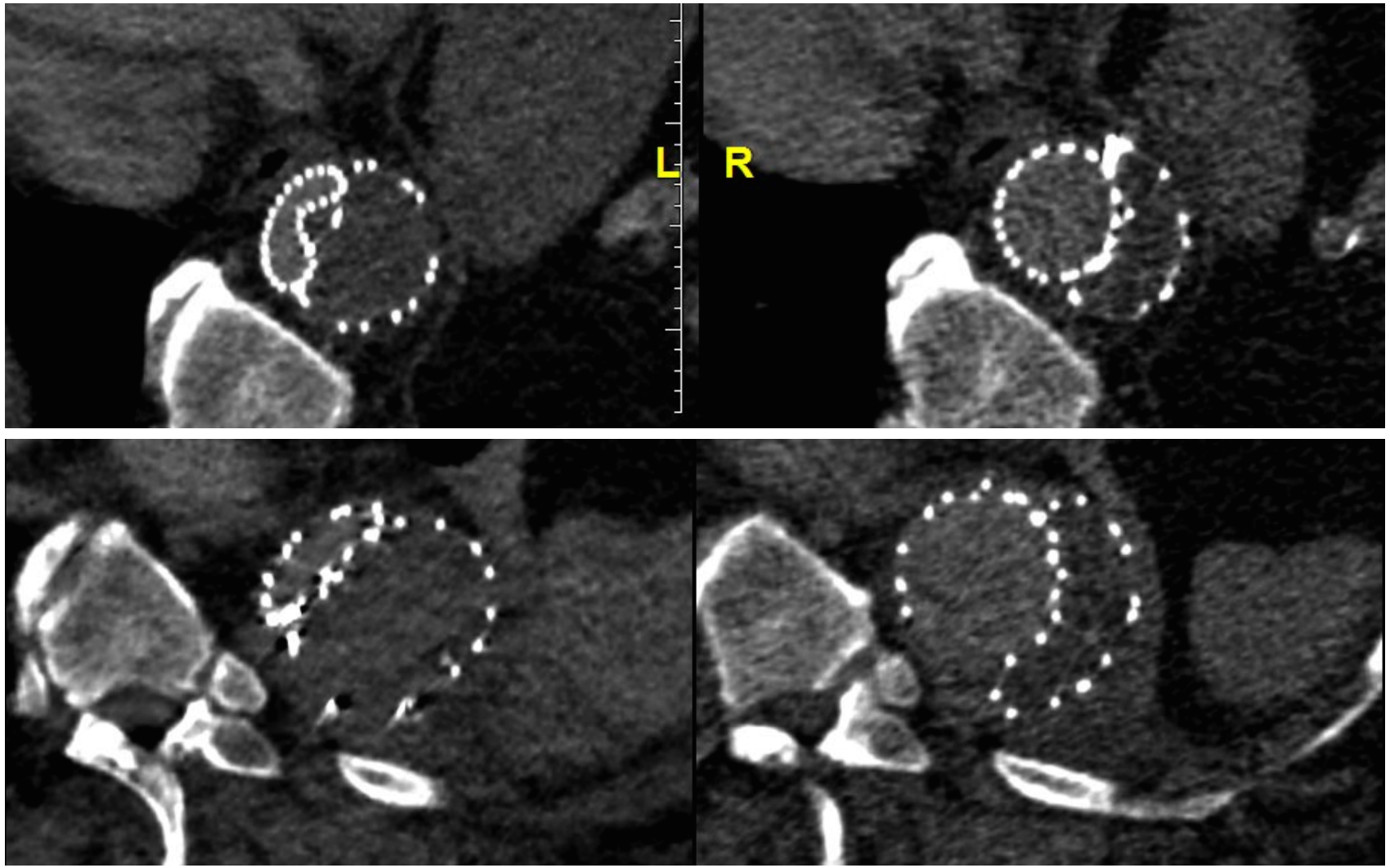
Ruptured Dissections



- Perfusion and pressure unchanged in false lumen
- Presence of Intercostals originating from false lumen
- False lumen back flow to Intercostals

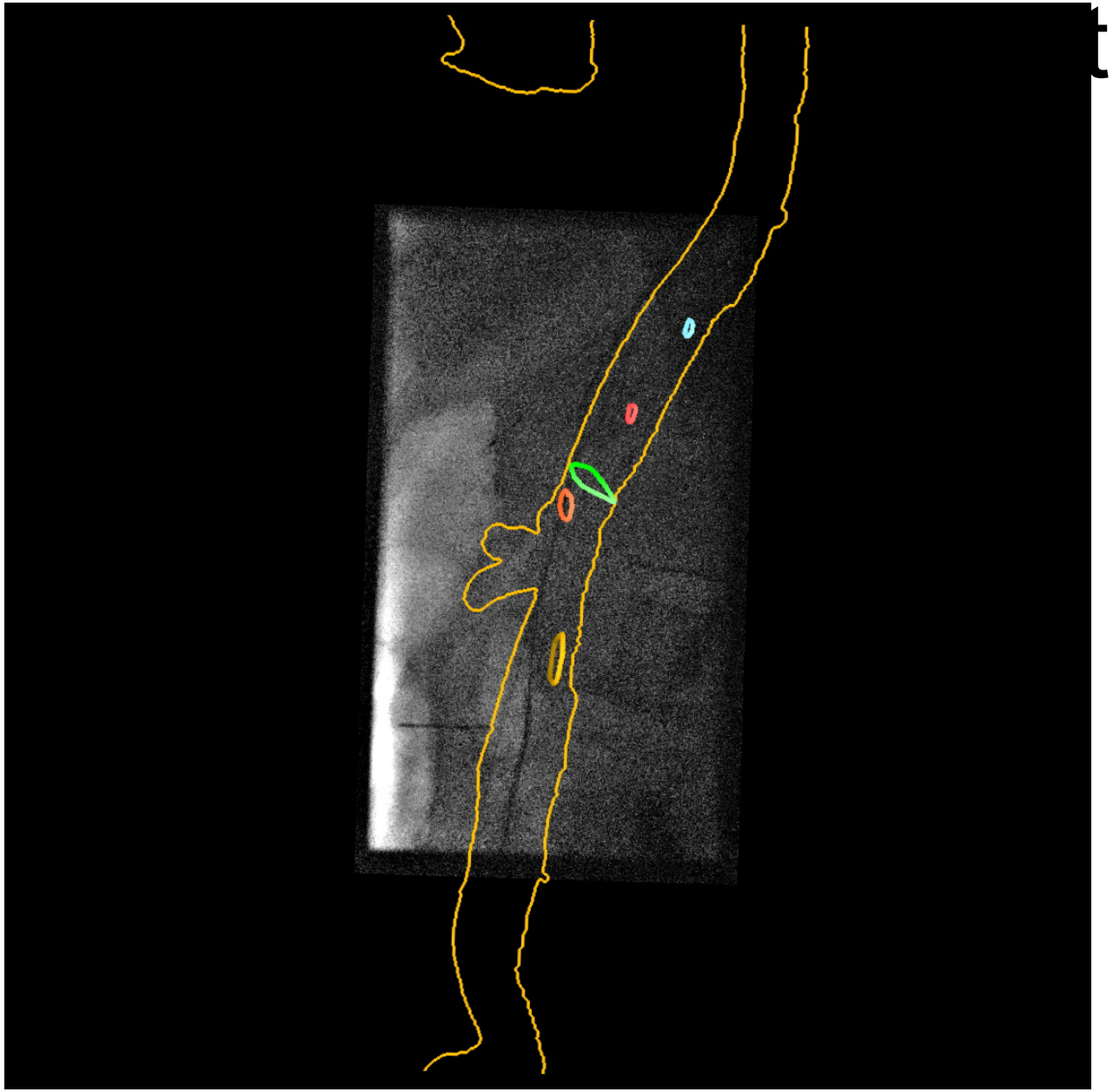
Courtesy Tilo Kölbel

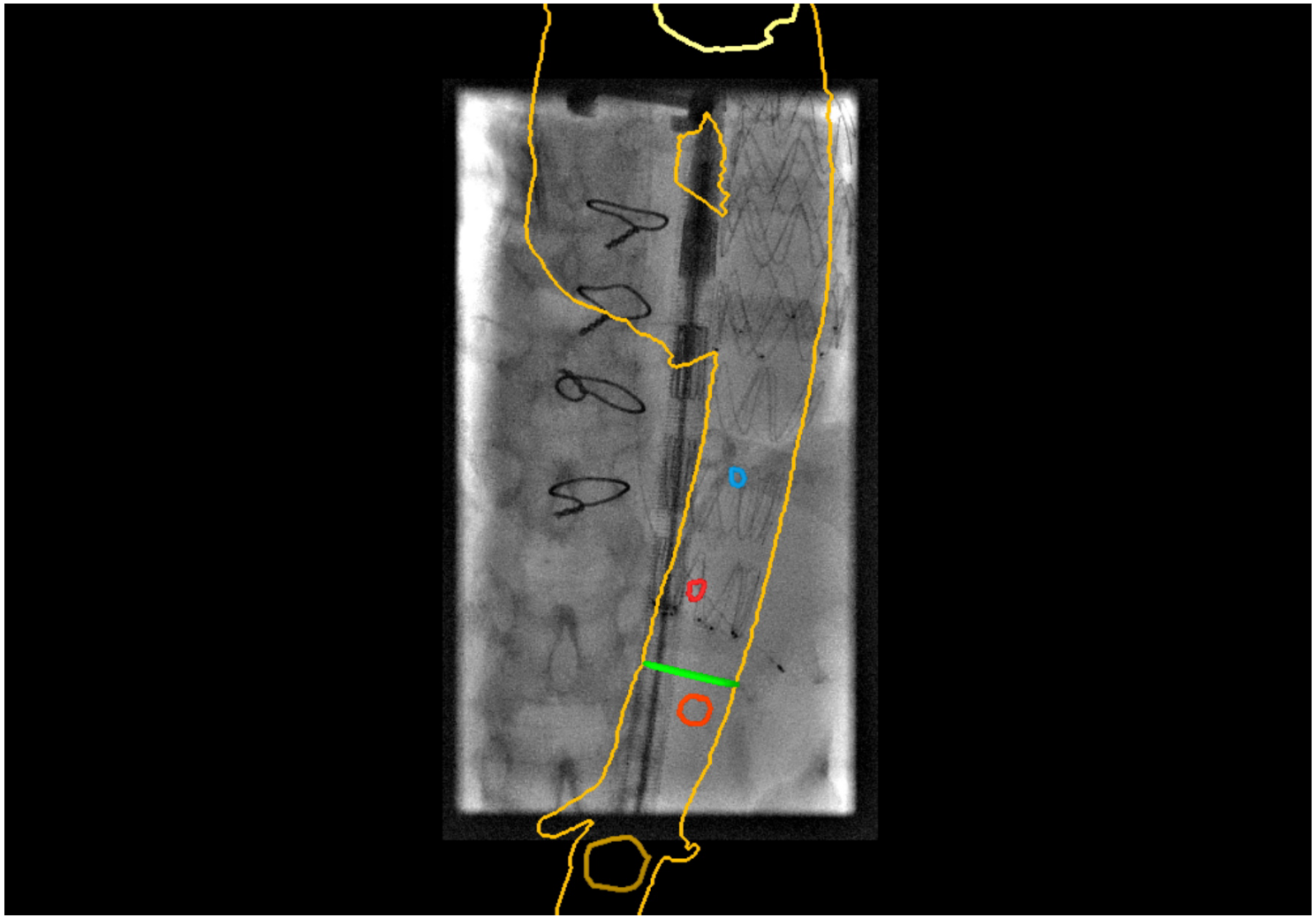
Candy-Plug

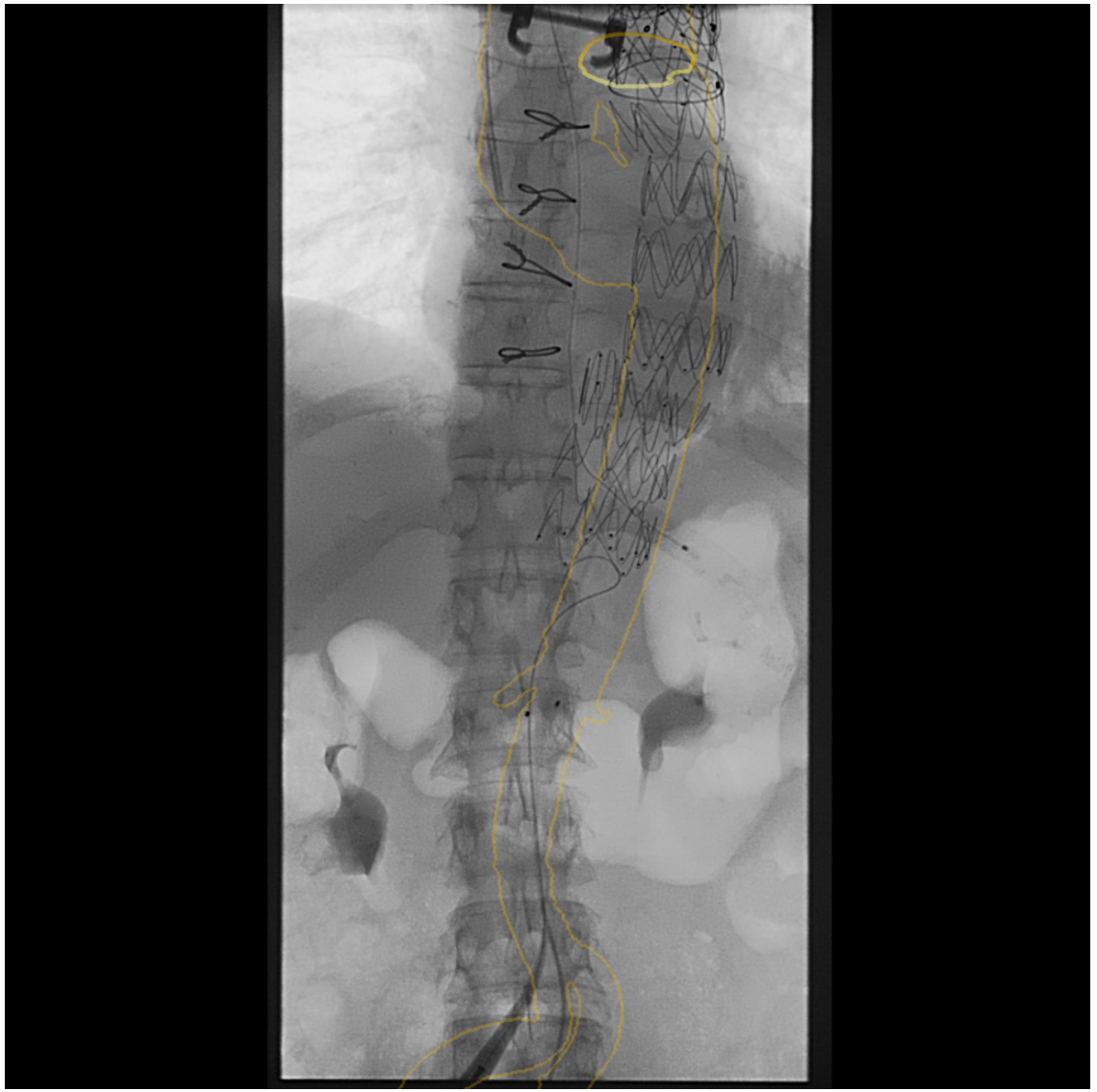


February 2016

July 2016



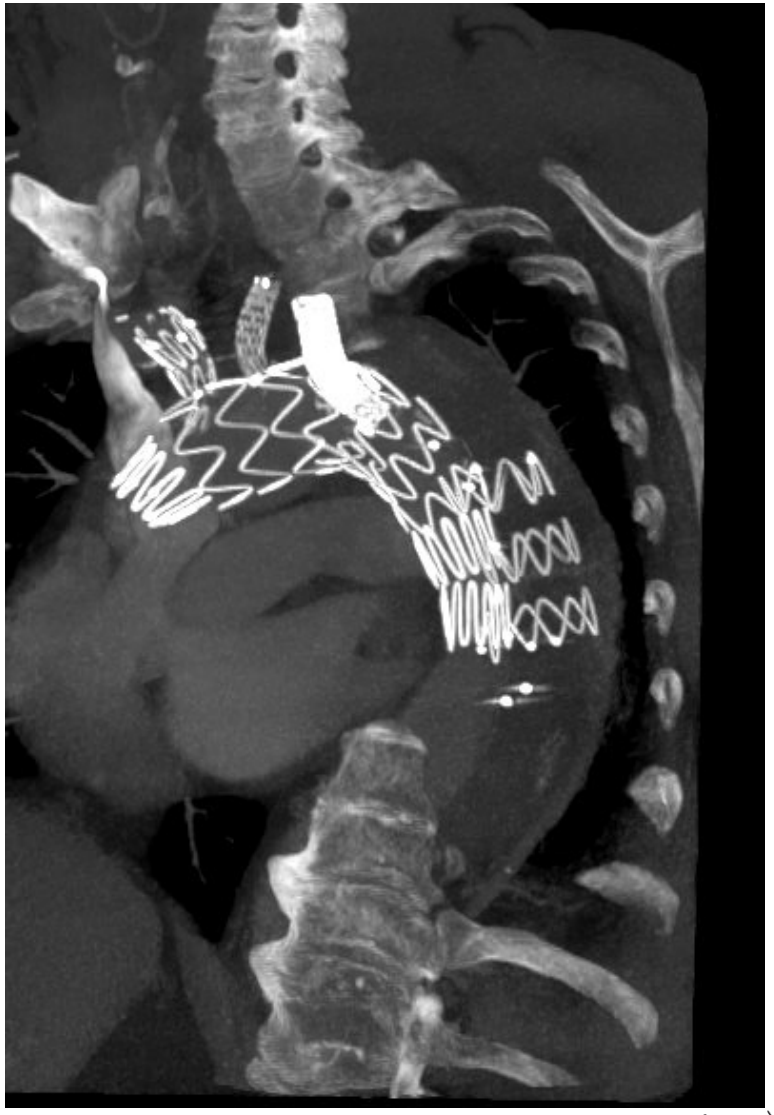




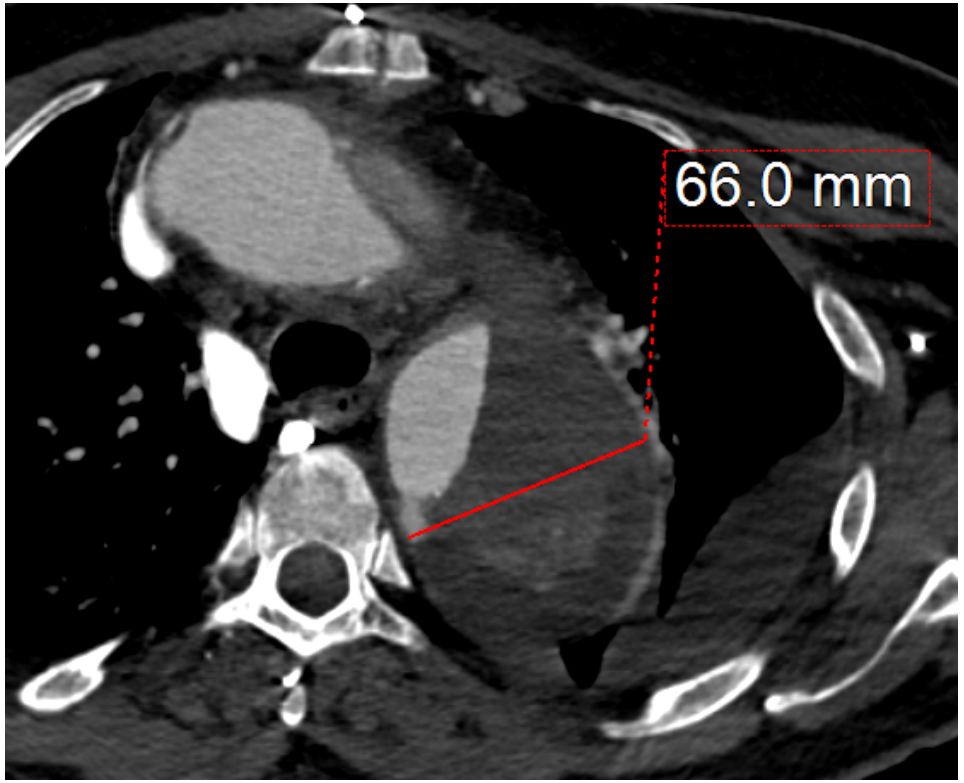
MARIE LANNELONGUE

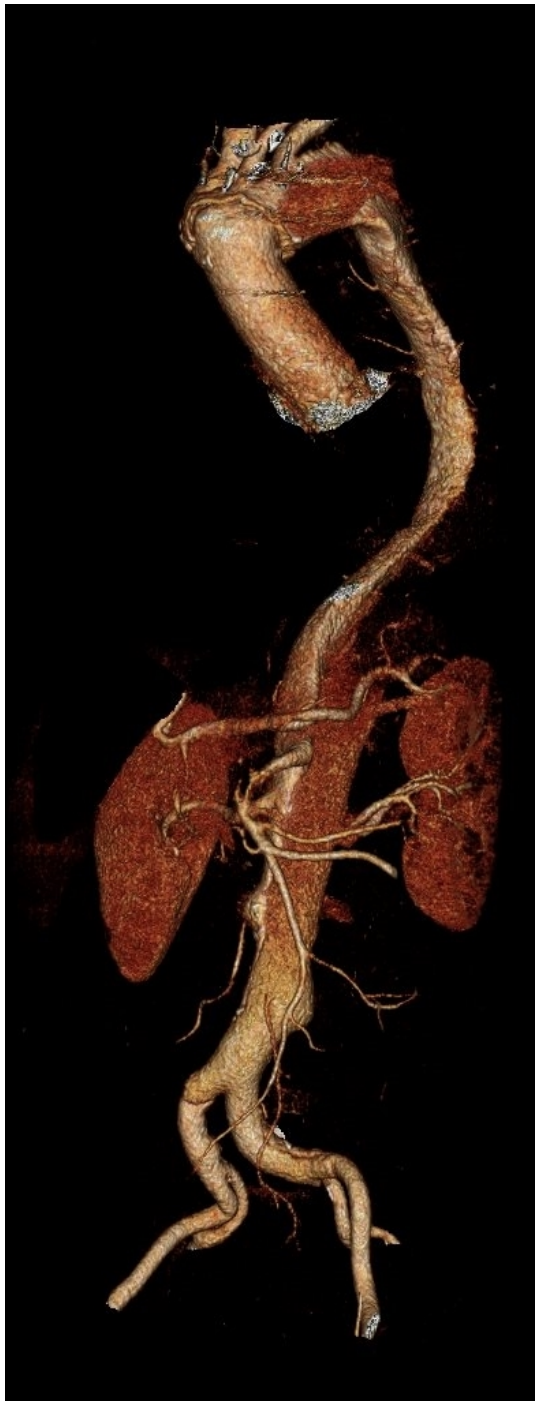

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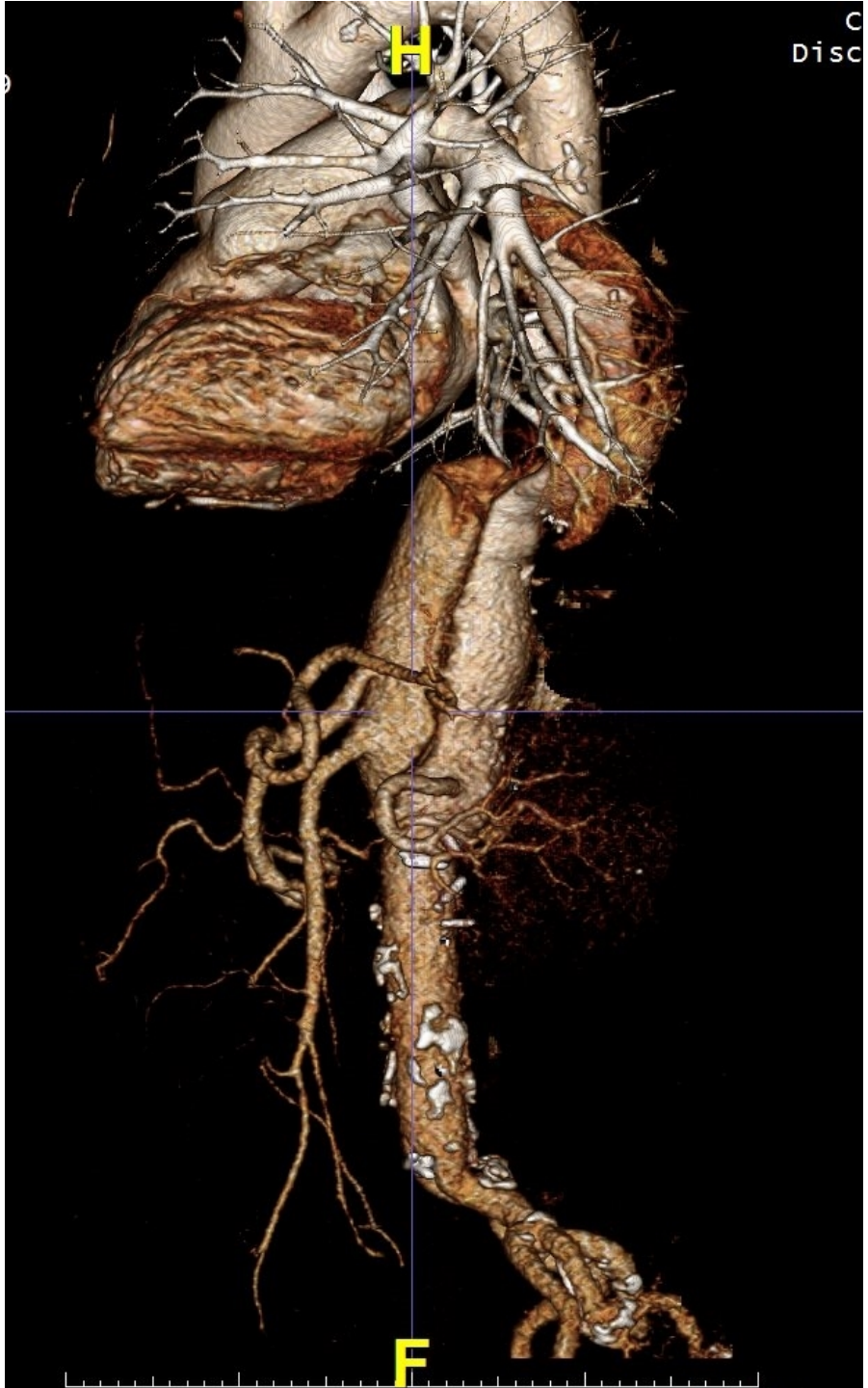
CANDY PLUG IN FALSE LUMEN

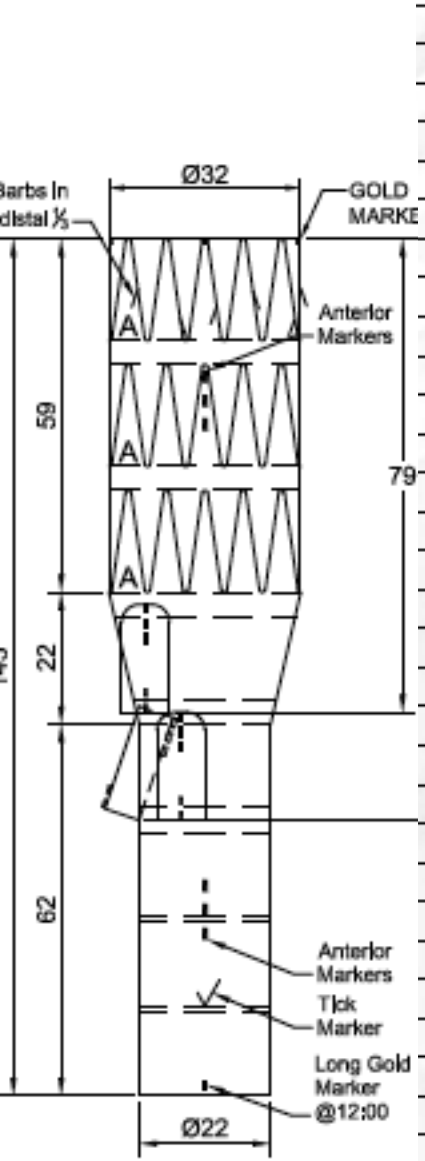

66.0 mm

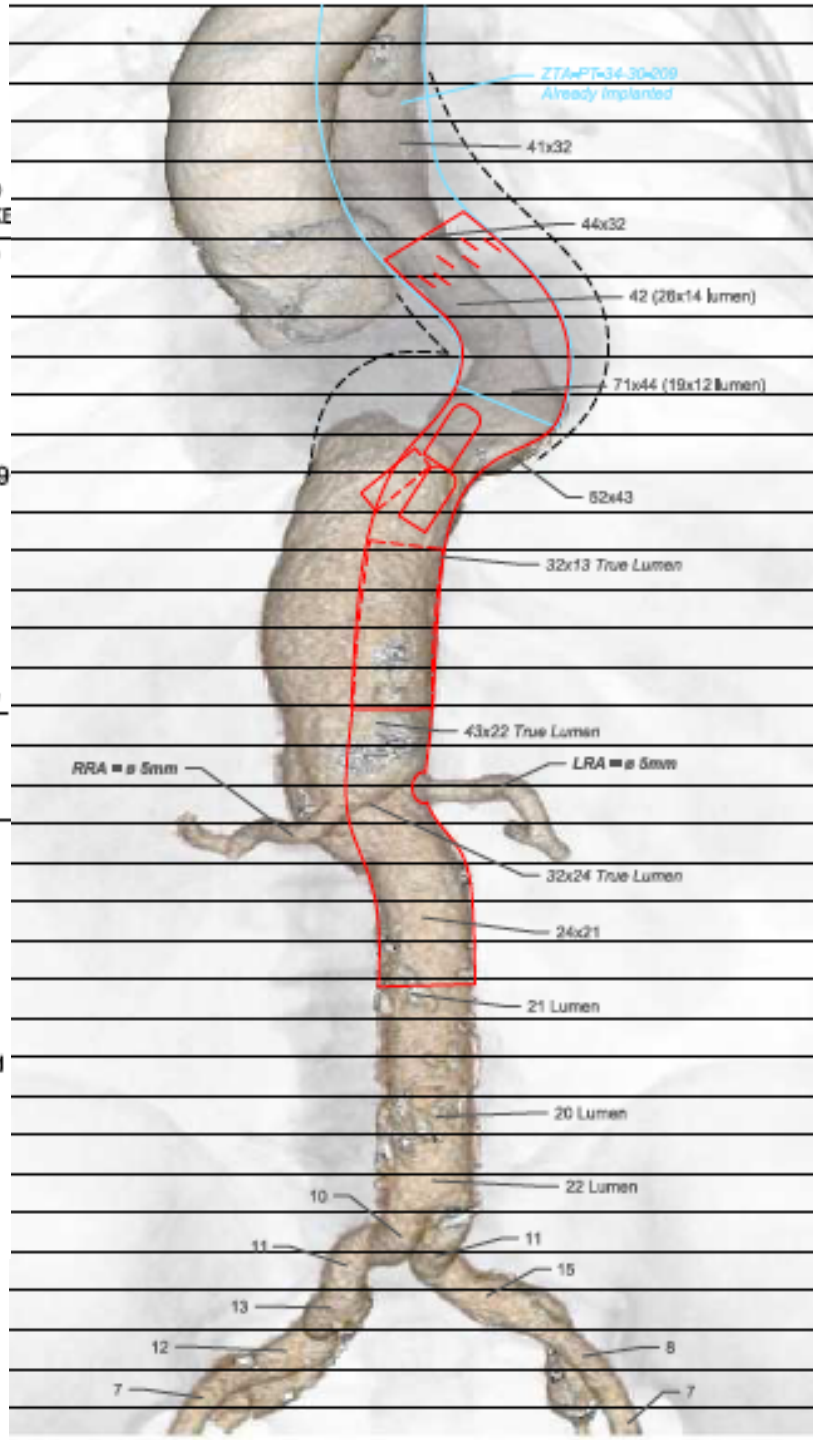


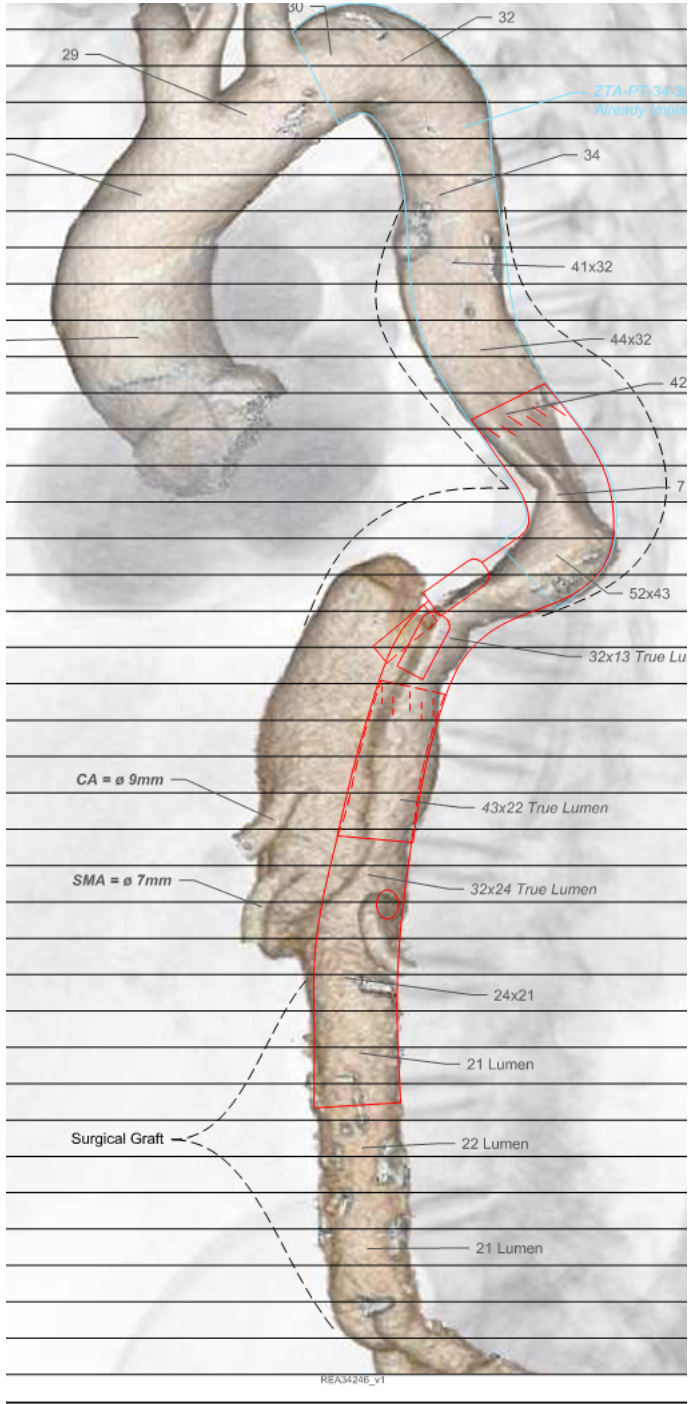


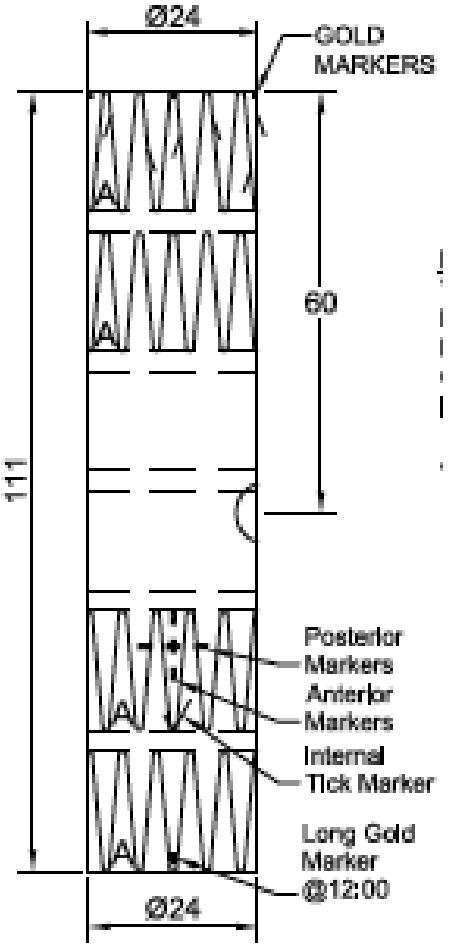



H
F

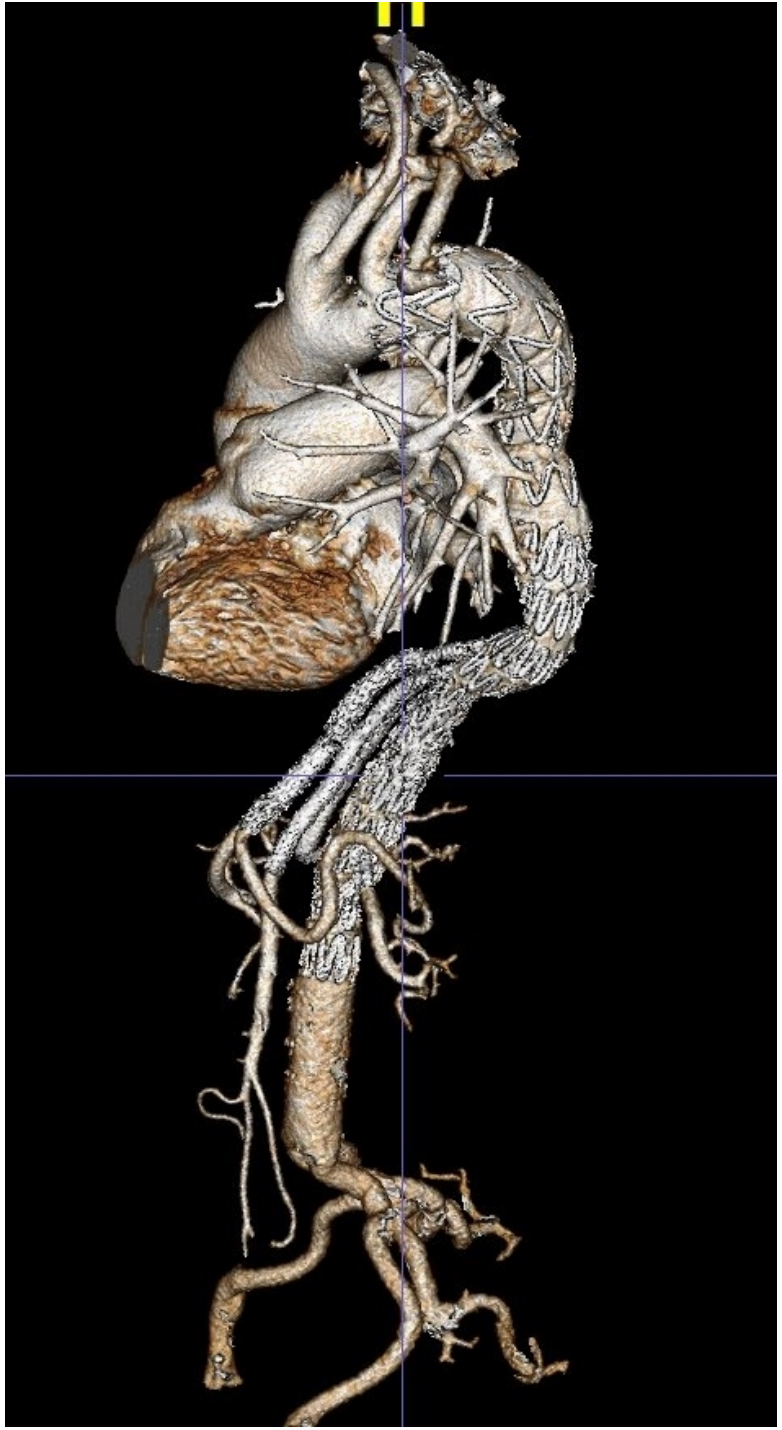

Barbs In
distal ⅓
Ø32
GOLD
MARKE
Anterior
Markers
59
79
22
62
Anterior
Markers
Tick
Marker
Long Gold
Marker
@12:00
Ø22

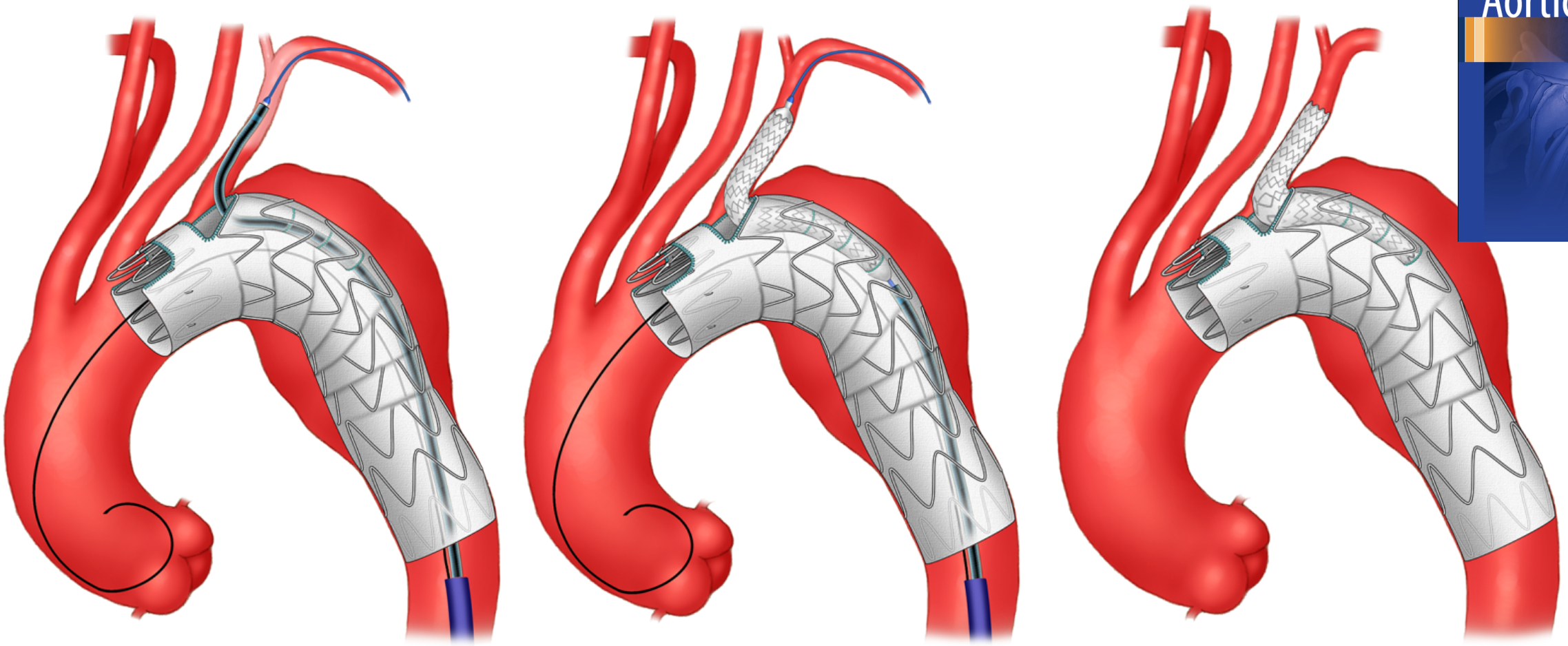

ZTA+PT+34-30+209
Already Implanted
41x32
44x32
42 (28x14 lumen)
71x44 (19x12 lumen)
52x43
32x13 True Lumen
43x22 True Lumen
RRA = ø 5mm
LRA = ø 5mm
32x24 True Lumen
24x21
21 Lumen
20 Lumen
22 Lumen
10
11
11
15
13
12
8
7
7

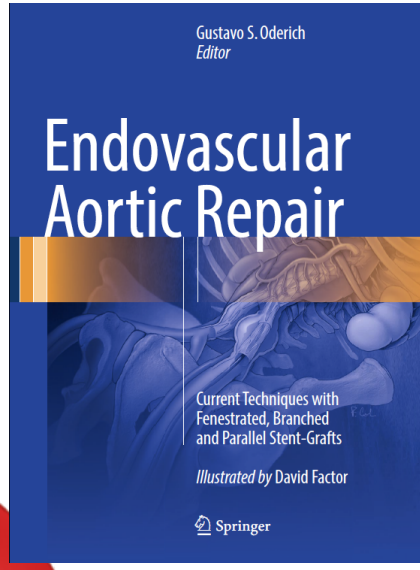

29
32
34
41x32
44x32
42
52x43
32x13 True Lu
CA = ø 9mm
43x22 True Lumen
SMA = ø 7mm
32x24 True Lumen
24x21
21 Lumen
Surgical Graft
22 Lumen
21 Lumen
REA34246_v1

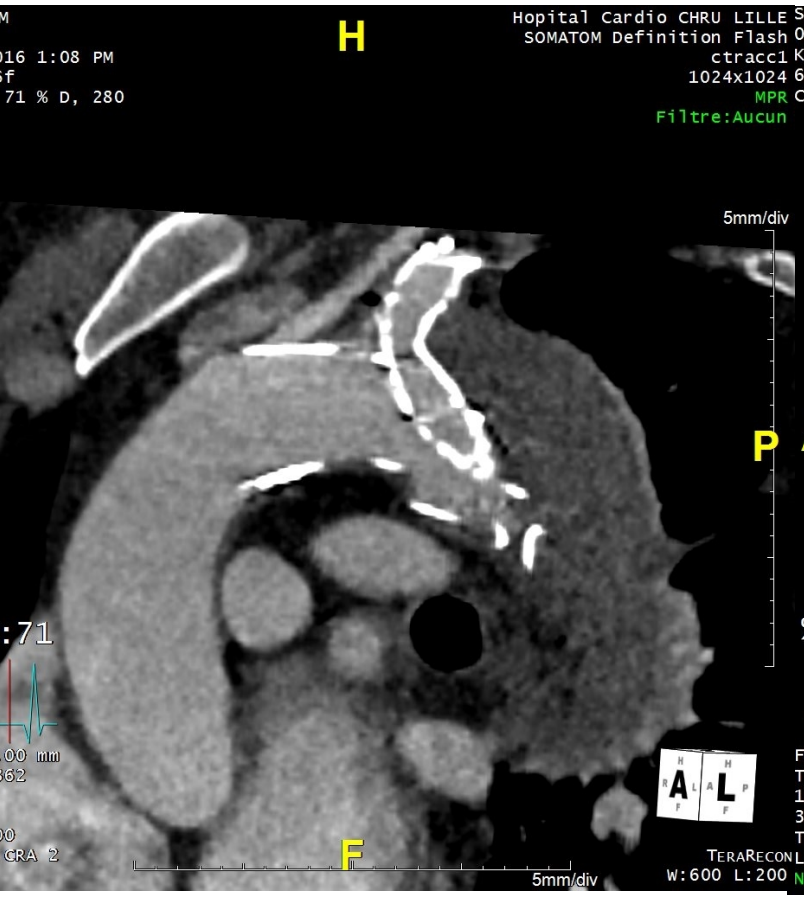

Ø24
GOLD
MARKERS
111
60
Posterior
Markers
Anterior
Markers
Internal
Tick Marker
Long Gold
Marker
@12:00
Ø24

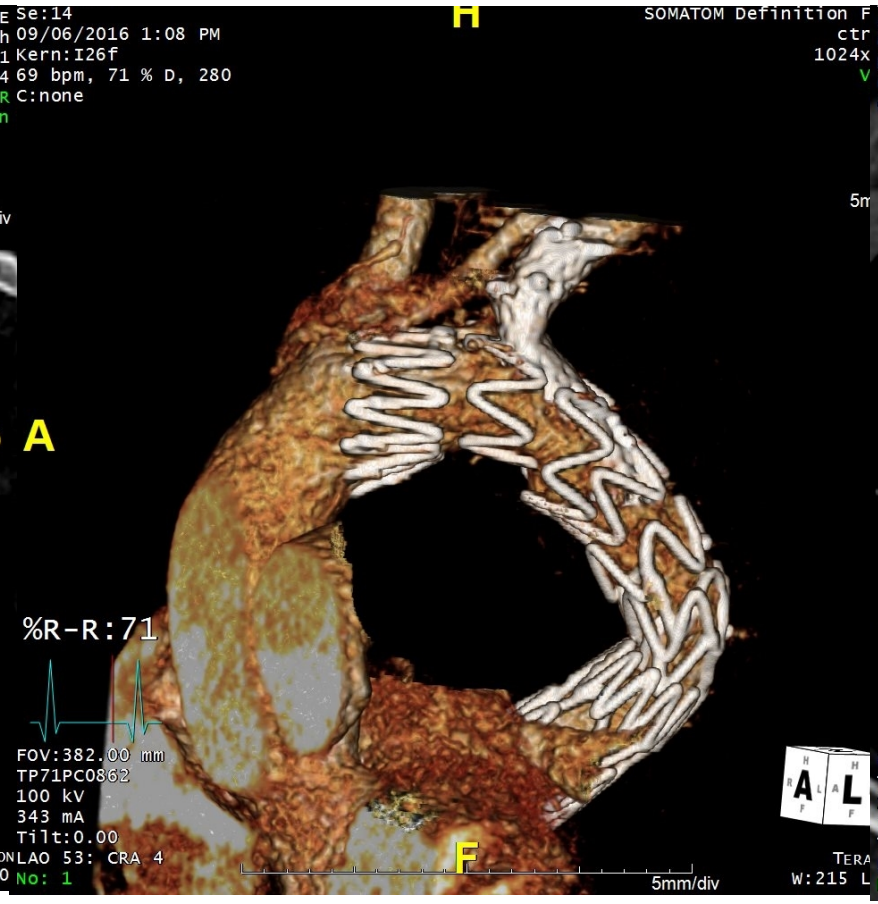

H
F
5mm/div

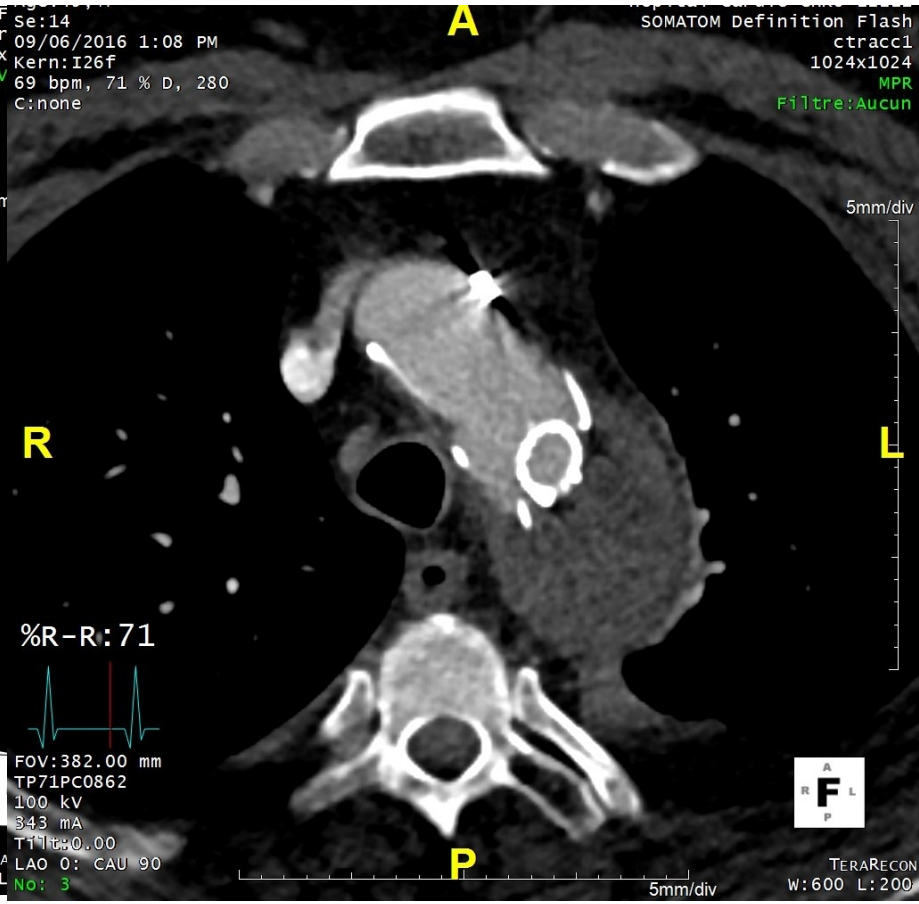


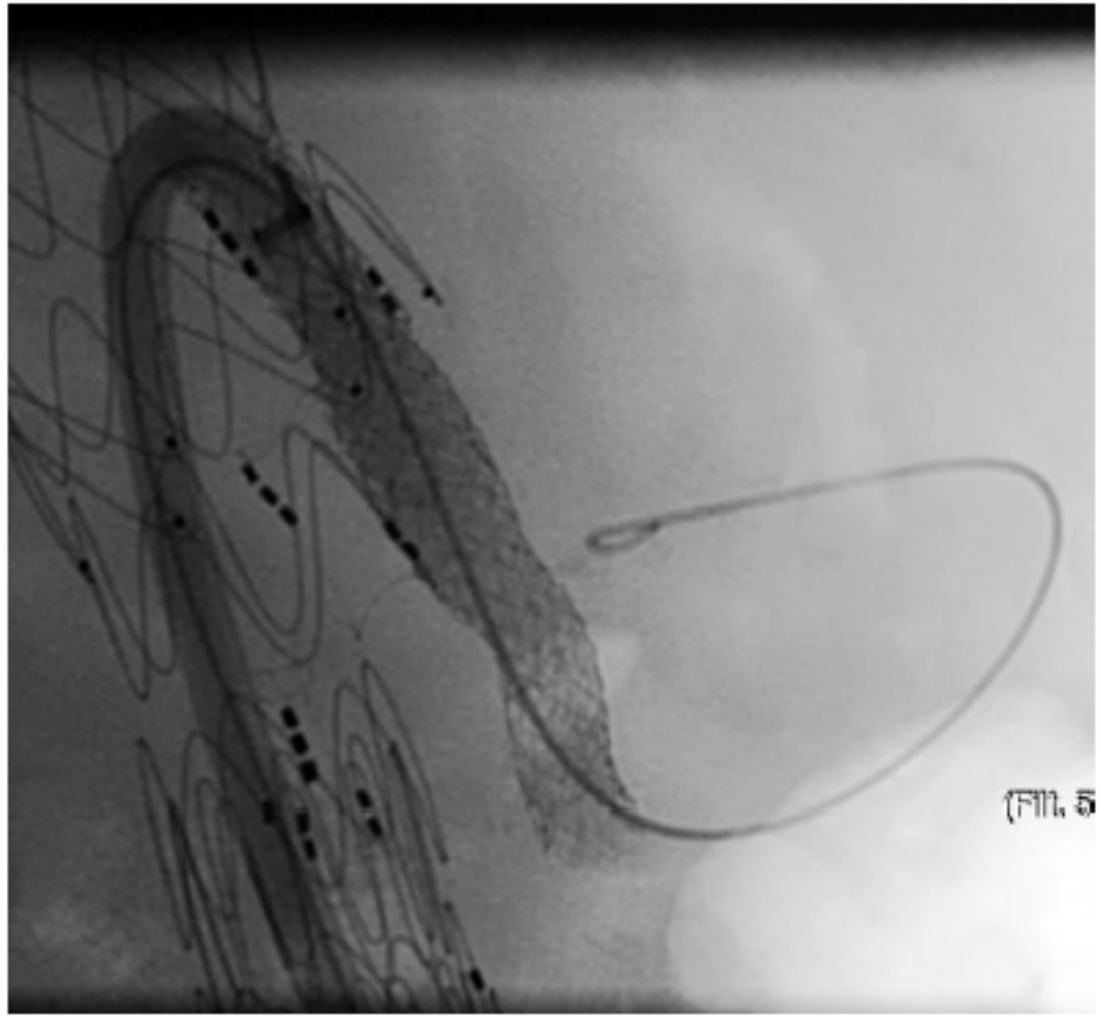


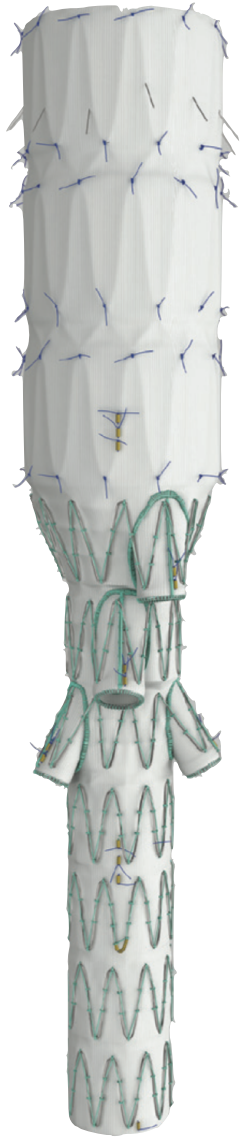

Gustavo S. Oderich
Editor
Endovascular Aortic Repair
Current Techniques with Fenestrated, Branched and Parallel Stent-Grafts
Illustrated by David Factor
Springer

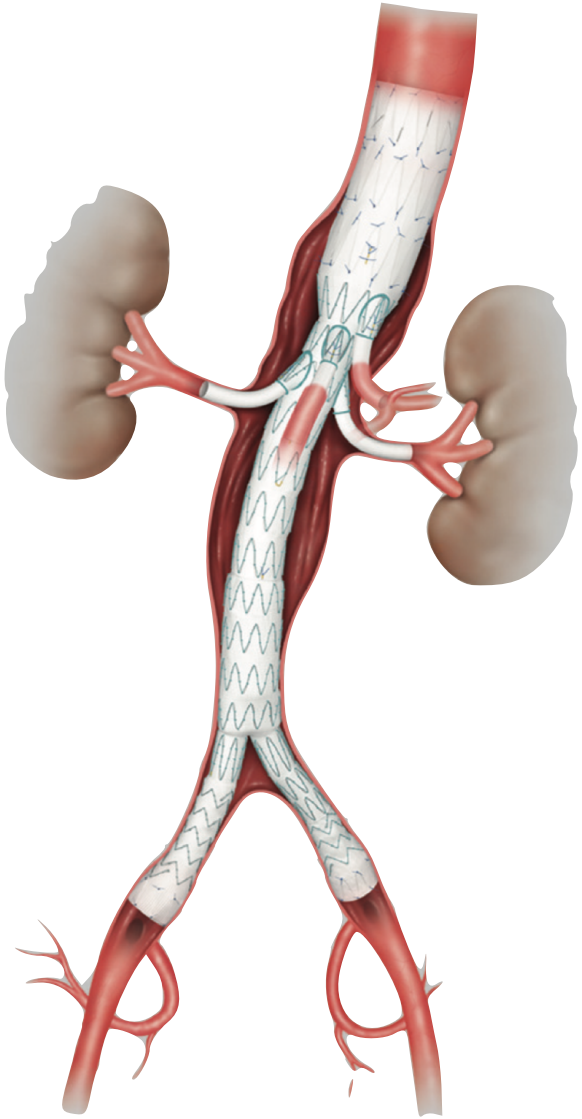

H
Hopital Cardio CHRU LILLE
SOMATOM Definition Flash
ctracc1
1024x1024
MPR
Filtre:Aucun
5mm/div
P
F
5mm/div
TeraRecon
W:600 L:200

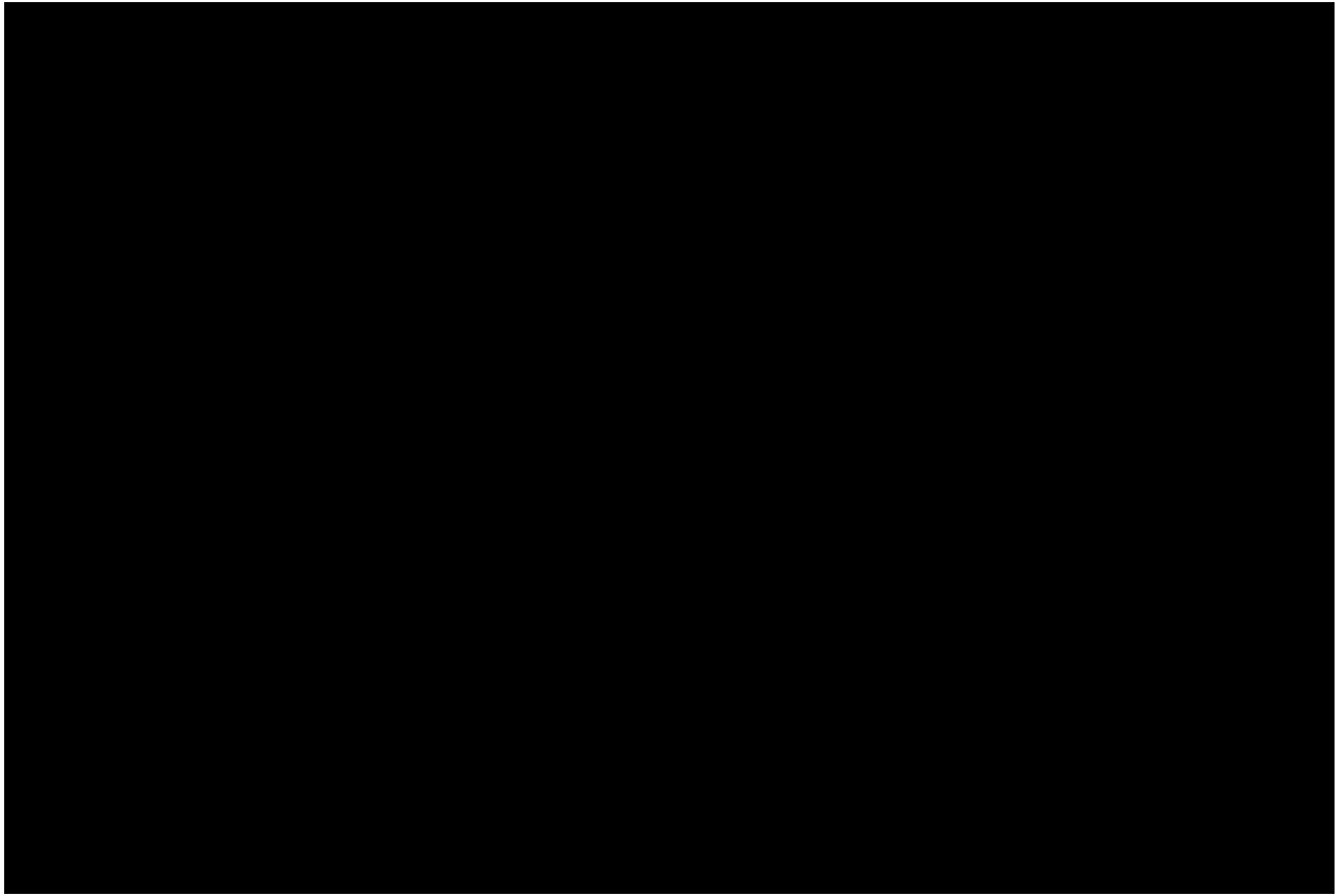

H
Se:14
09/06/2016 1:08 PM
Kern:I26f
69 bpm, 71 % D, 280
C:none
A
%R-R:71
FOV:382.00 mm
TP71PC0862
100 kV
343 mA
Tilt:0.00
LAO 53: CRA 4
No: 1
F
5mm/div

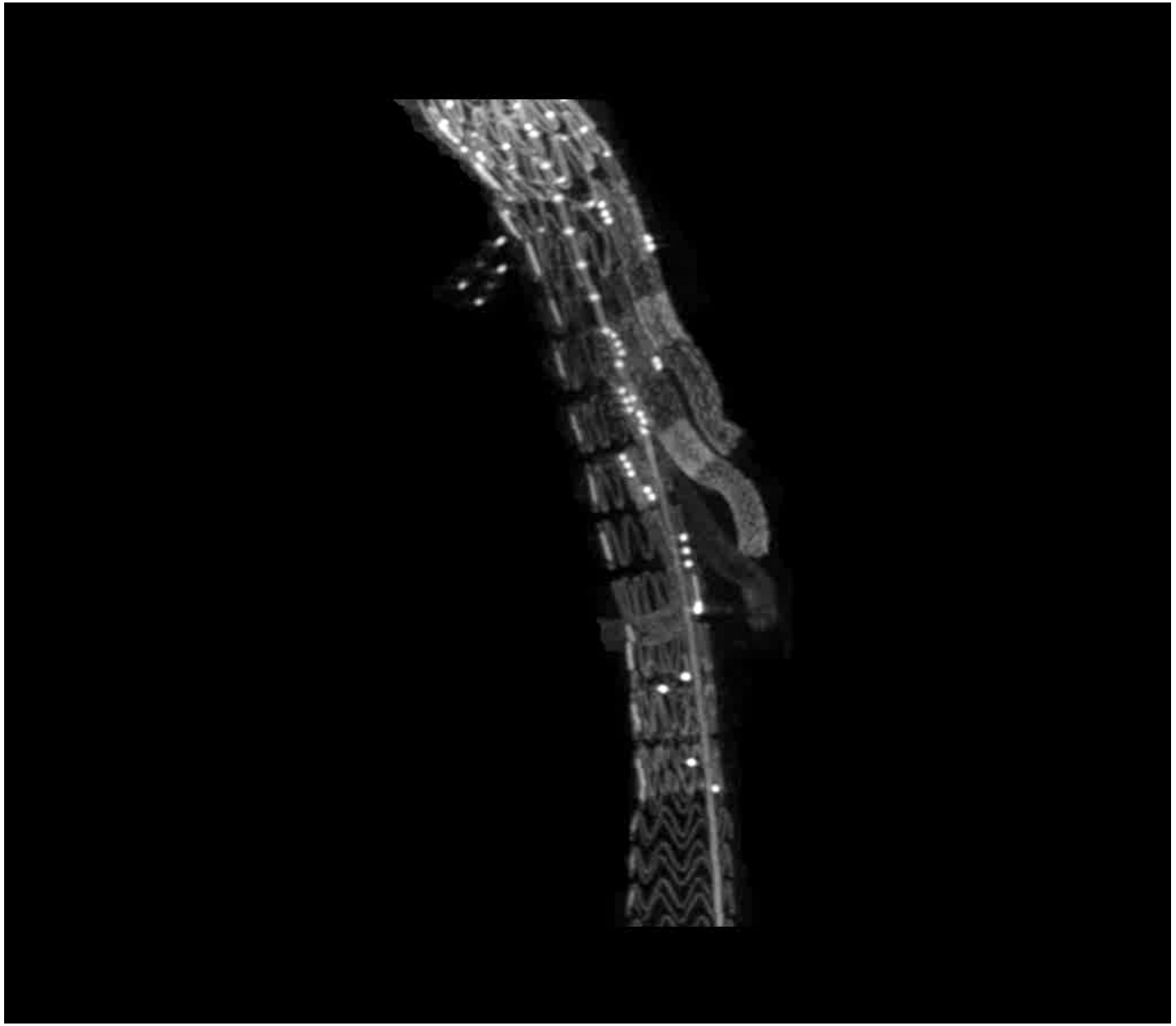

A
Se:14
09/06/2016 1:08 PM
Kern:I26f
69 bpm, 71 % D, 280
C:none
SOMATOM Definition Flash
ctracc1
1024x1024
MPR
Filtre:Aucun
5mm/div
R
L
%R-R:71
FOV:382.00 mm
TP71PC0862
100 kV
343 mA
Tilt:0.00
LAO 0: CAU 90
No: 3
P
5mm/div
TeraRecon
W:600 L:200


FIG. 5

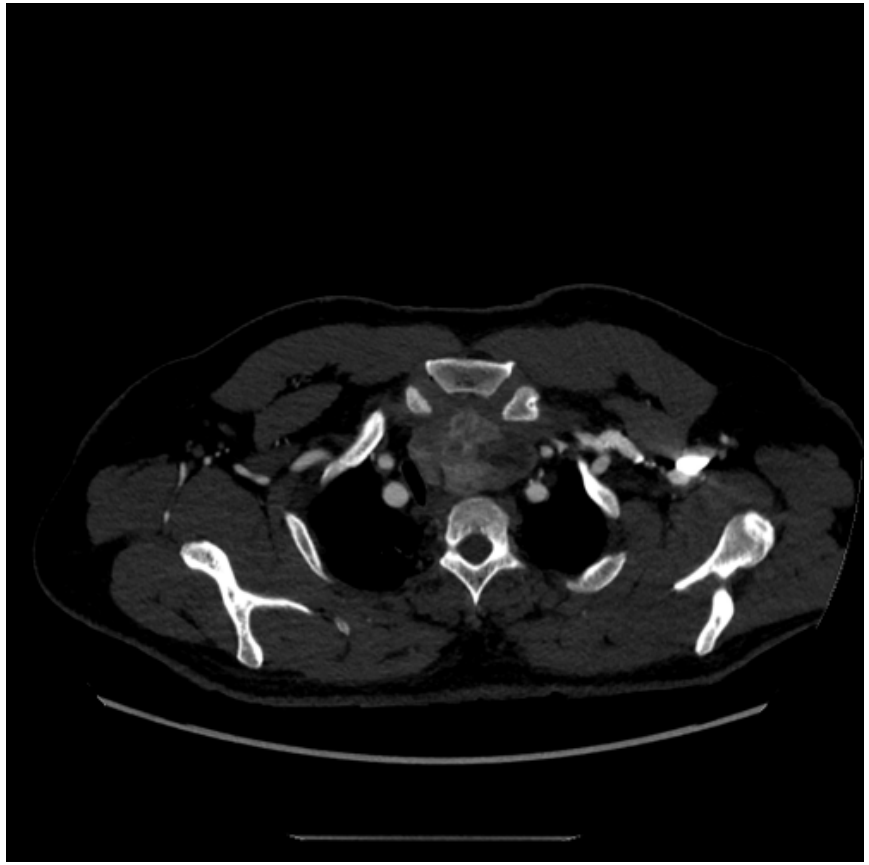


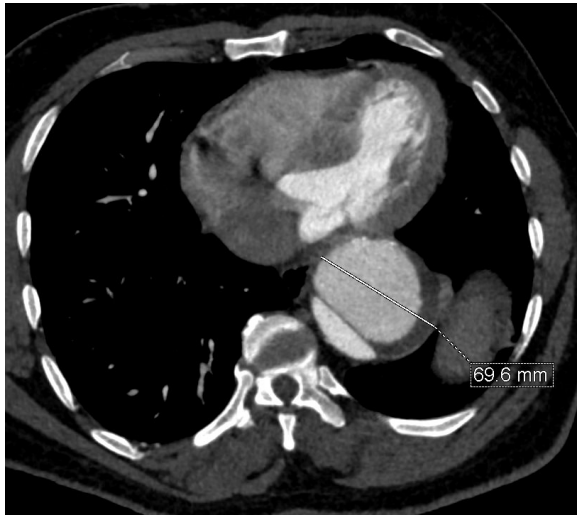






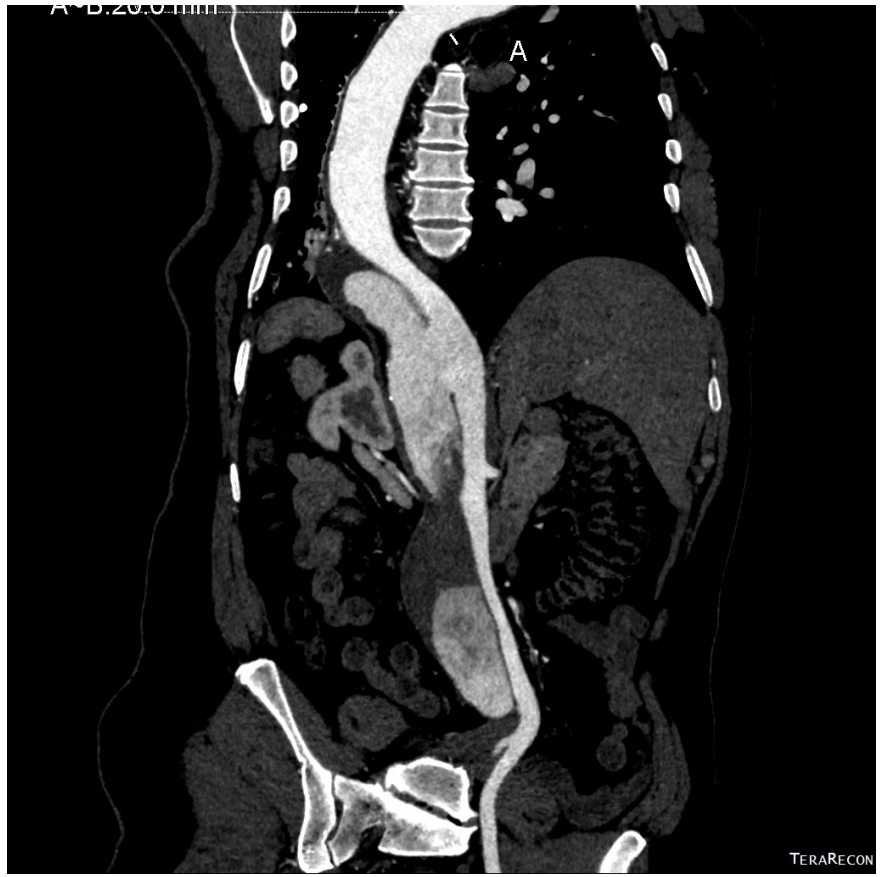


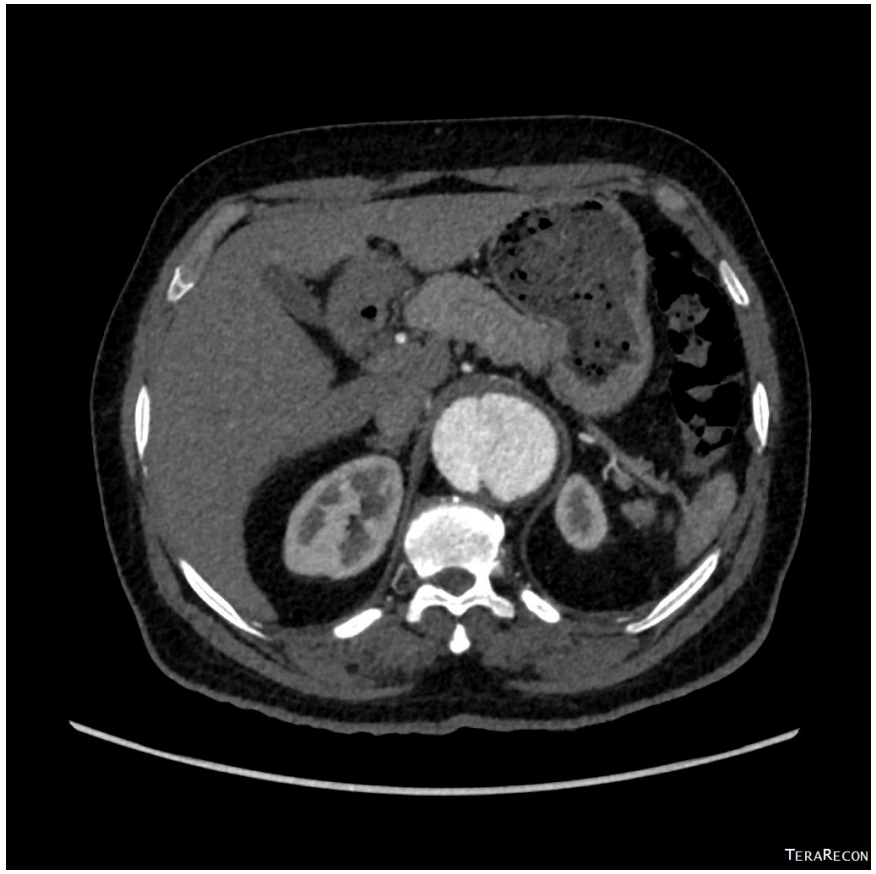


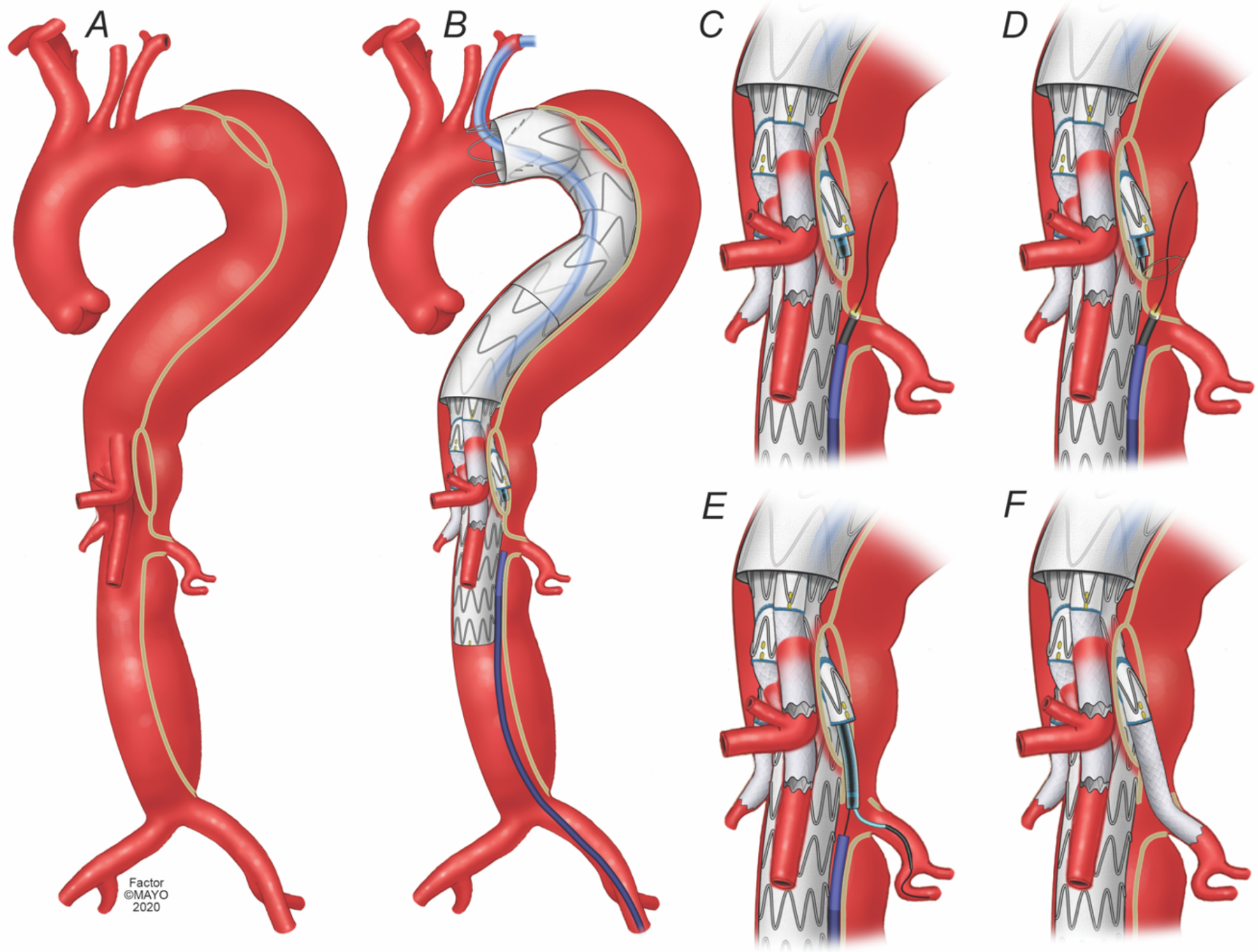




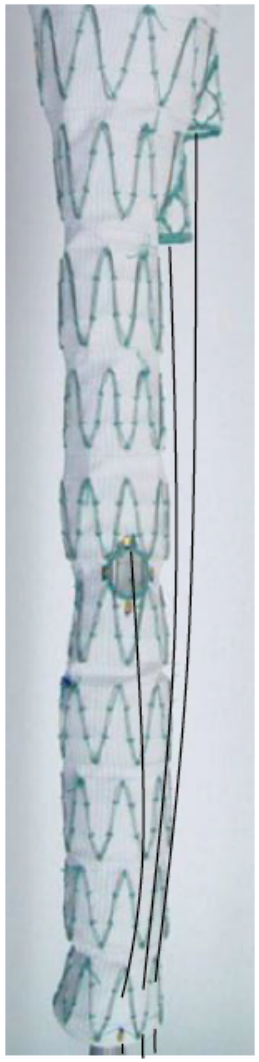
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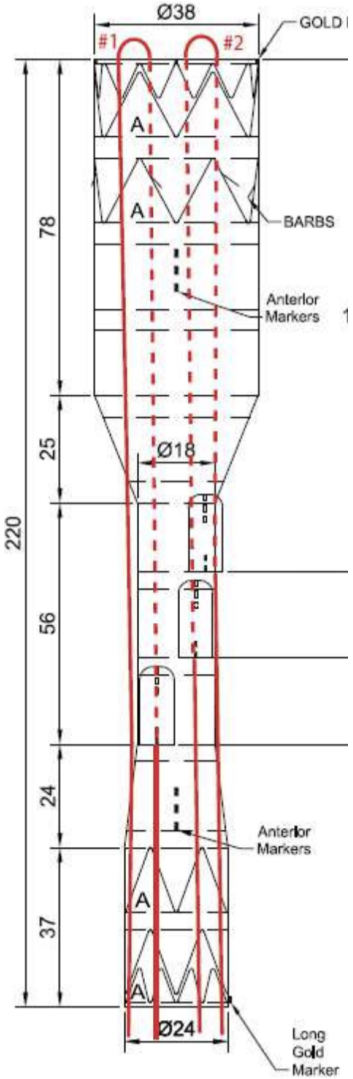

A
TeraRecon


TeraRecon


A
B
C
D
E
F
Factor
©MAYO
2020

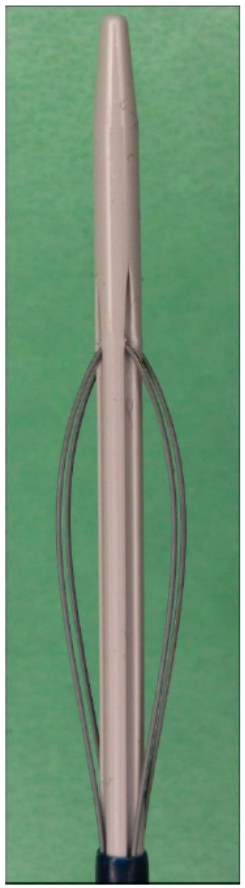




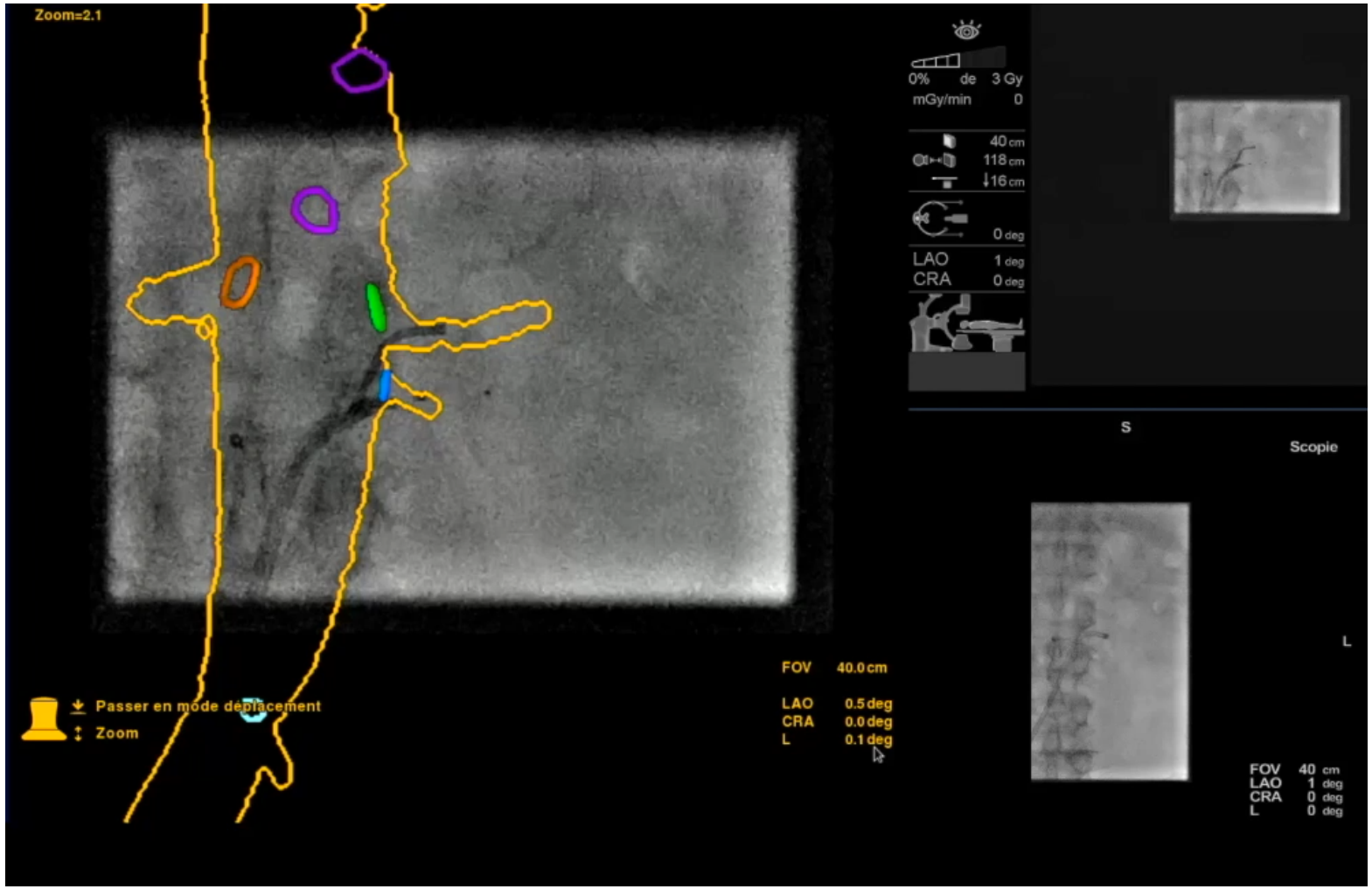








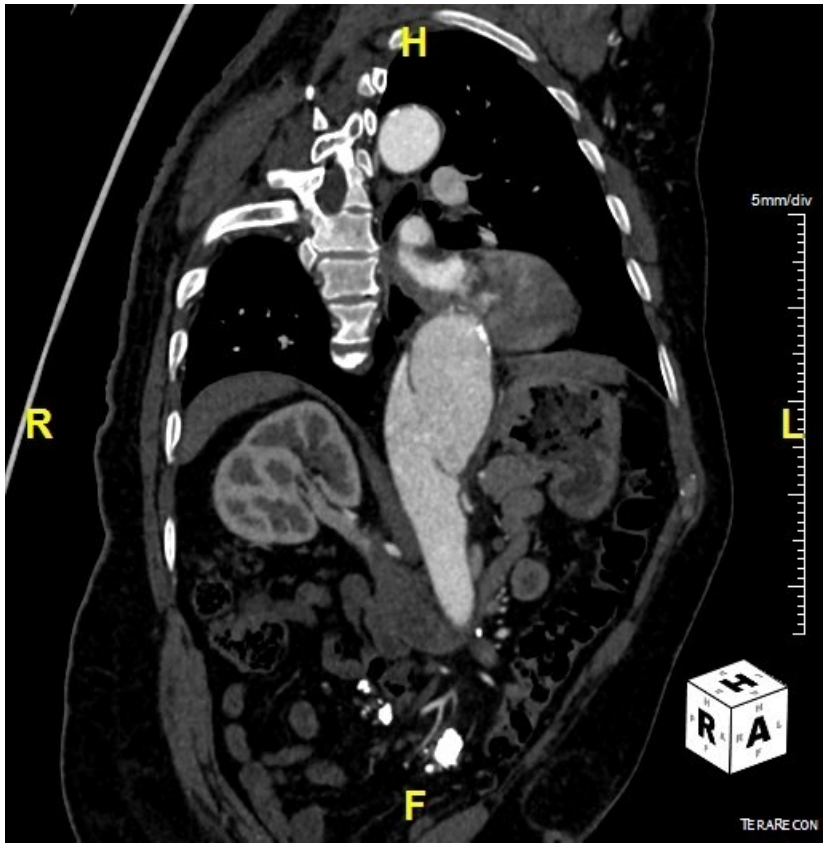
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Zoom=2.1
0% de 3 Gy
mGy/min 0
40 cm
118 cm
16 cm
0 deg
LAO 1 deg
CRA 0 deg
S
Scopie
L
Passer en mode déplacement
Zoom
FOV 40.0 cm
LAO 0.5 deg
CRA 0.0 deg
L 0.1 deg
FOV 40 cm
LAO 1 deg
CRA 0 deg
L 0 deg


018 13:58
DARD
0 mm
ODE
RA 0
F

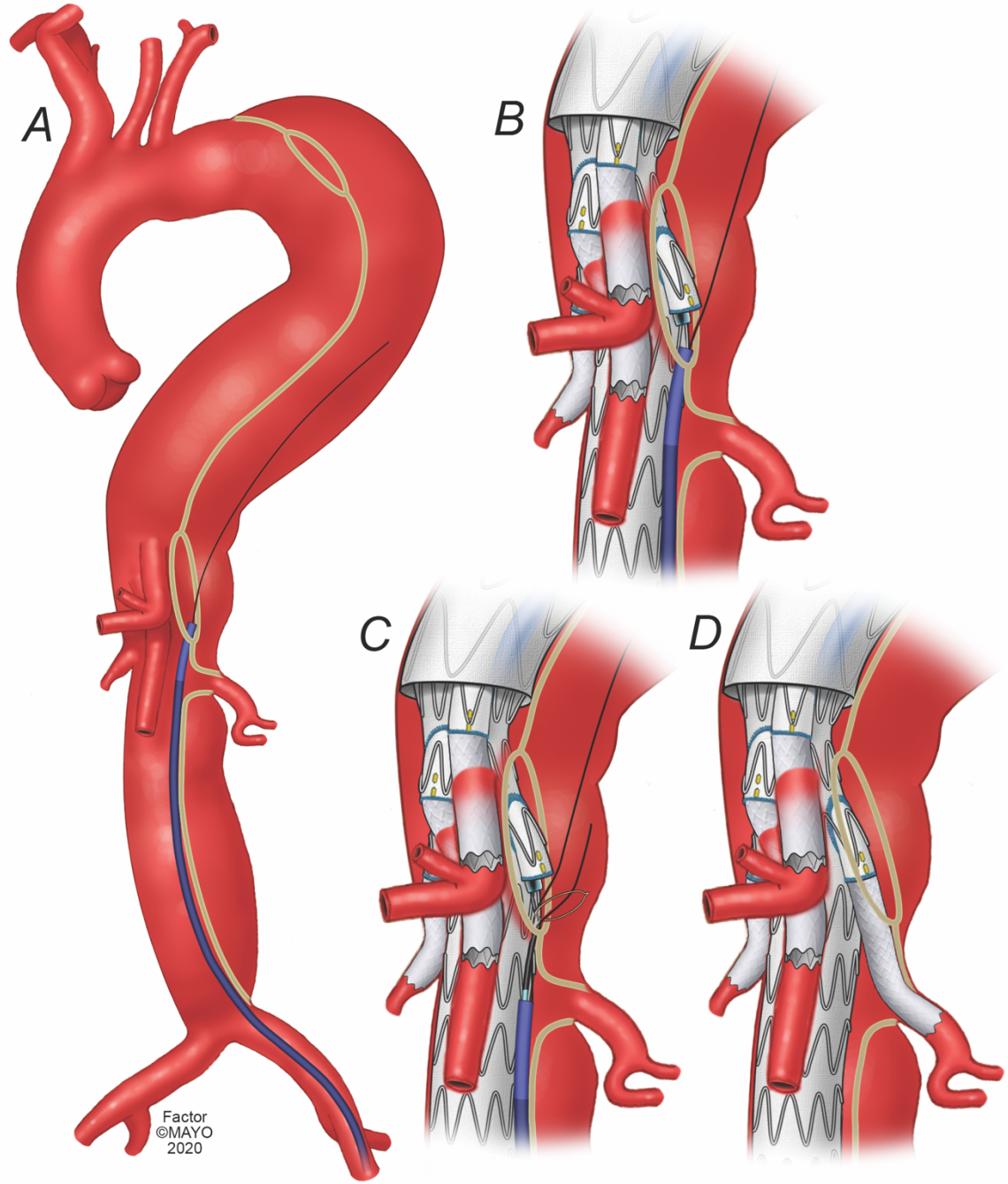








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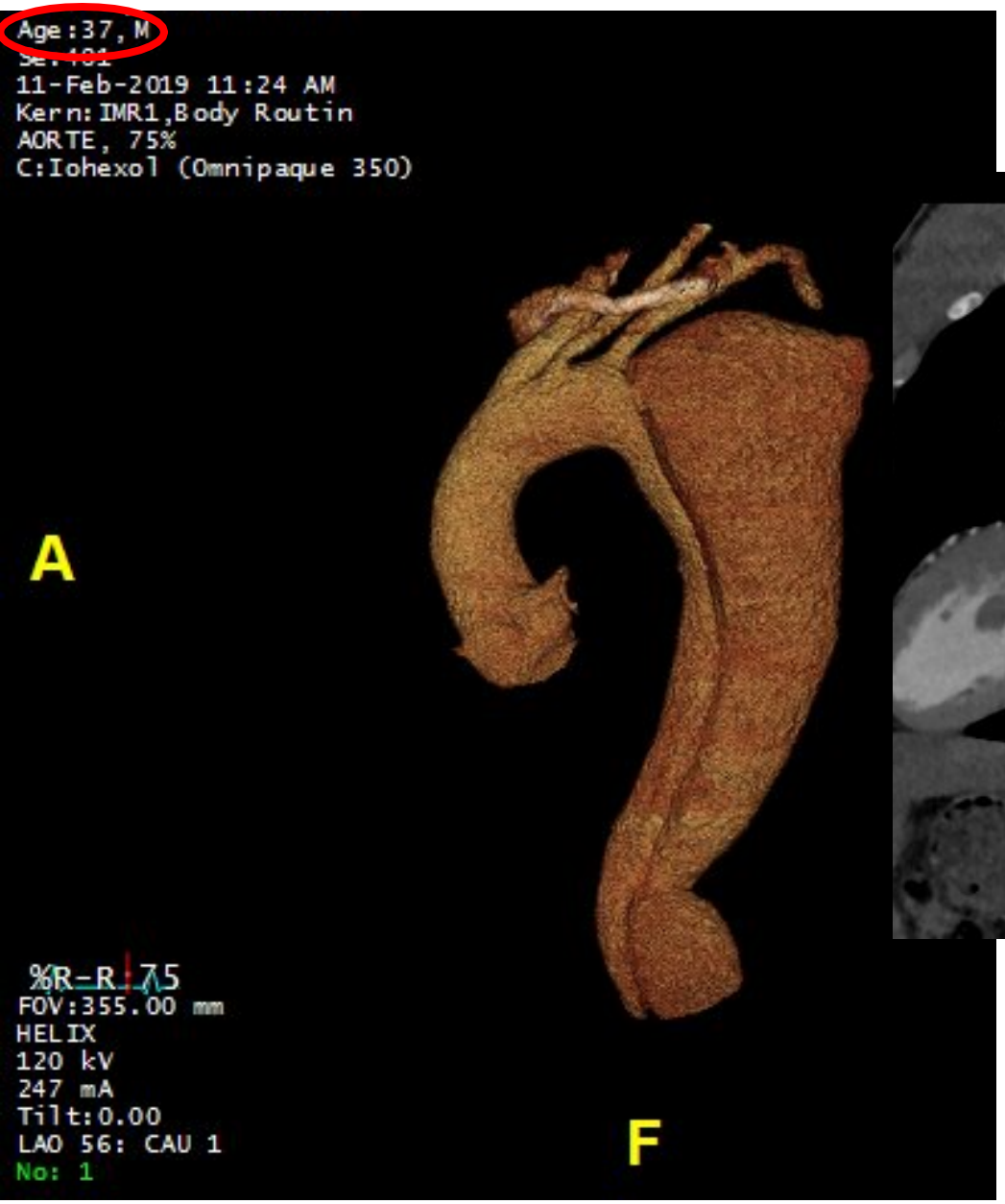

A
B
C
D
Factor
©MAYO
2020







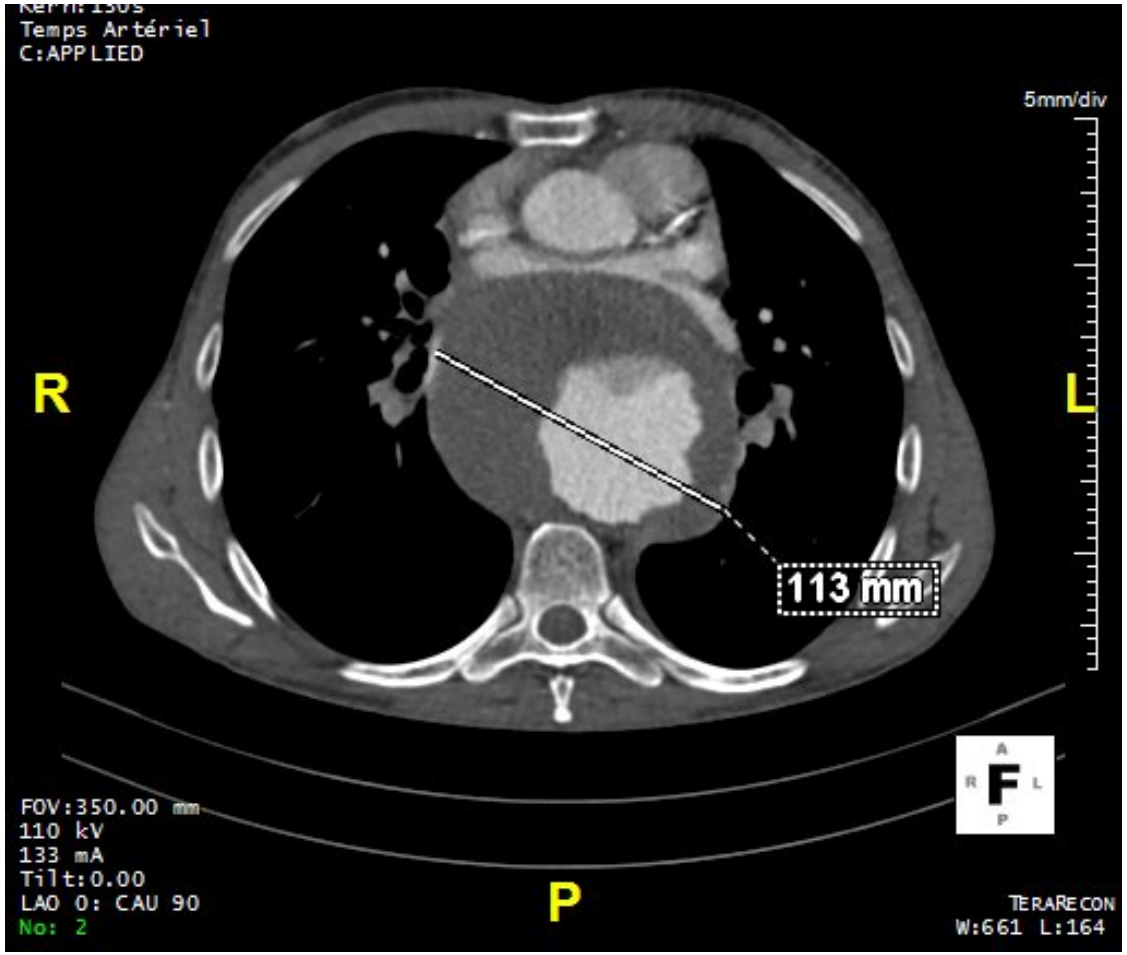



Age:37, M
11-Feb-2019 11:24 AM
Kern:IMR1,Body Routin
AORTE, 75%
C:Iohexol (Omnipaque 350)
A
%R-R:75
FOV:355.00 mm
HELIX
120 kV
247 mA
Tilt:0.00
LAO 56: CAU 1
No: 1
F


79.6 mm
F

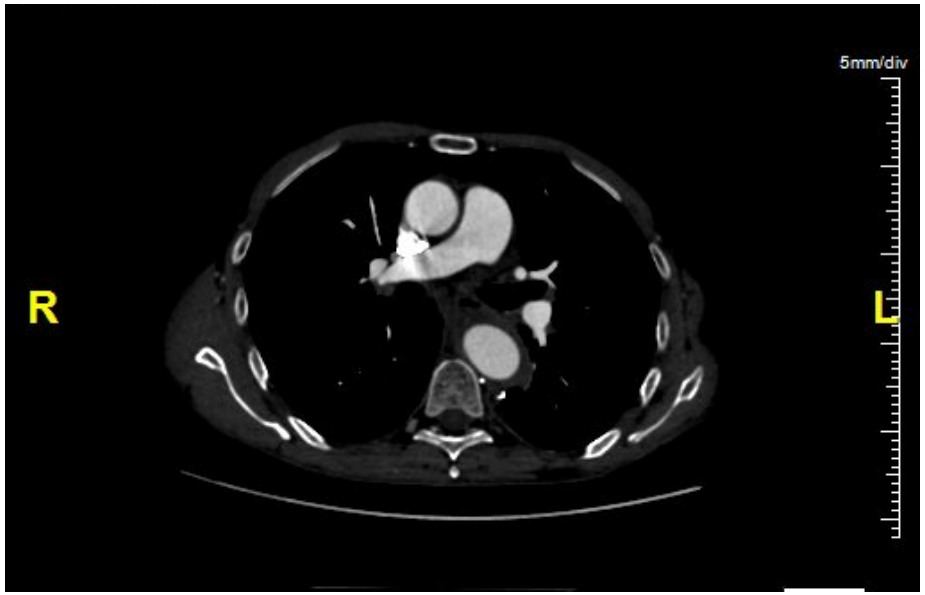


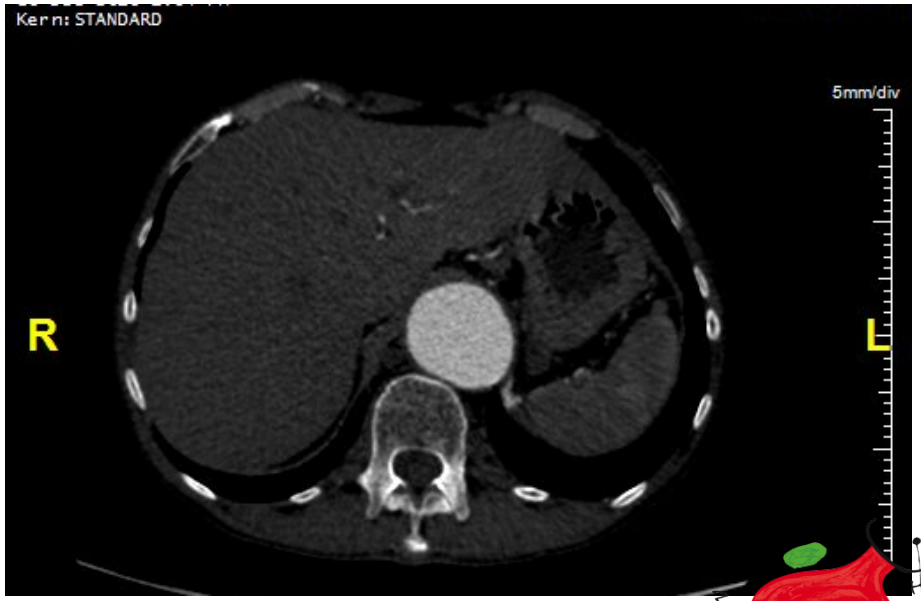



Temps Artériel
C:APPLIED
5mm/div
R
L
113 mm
P
FOV:350.00 mm
110 kV
133 mA
Tilt:0.00
LAO 0: CAU 90
No: 2
TERARECON
W:661 L:164


PM
F


F


5mm/div
R
L


Kern: STANDARD
5mm/div
R
L


25622830
:32 PM
F


:32 PM
F


830
PM
F

CONCLUSIONS

- Simple to very complex
- Off the shelf devices / Ancillary toolbox
- 3D imaging
- High volume centers performing both techniques

