

B-EVAR for post- Dissection TAAA



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Case Presentation

- 55 yo male Patient
- Hypertension
- Nicotine consumption

Case Presentation

- Acute Aortic Dissection 2014 (Greece)
- True Lumen collapse
- Malperfusion RRA, intestine and right limb
- Treated with fem-fem Bypass left->right
- Right Hemicolectomy

Case Presentation

- 2 months ICU
- Critical illness polyneuropathy
- Paresis of the right foot due to prolonged ischaemia
- Atrophic right kidney

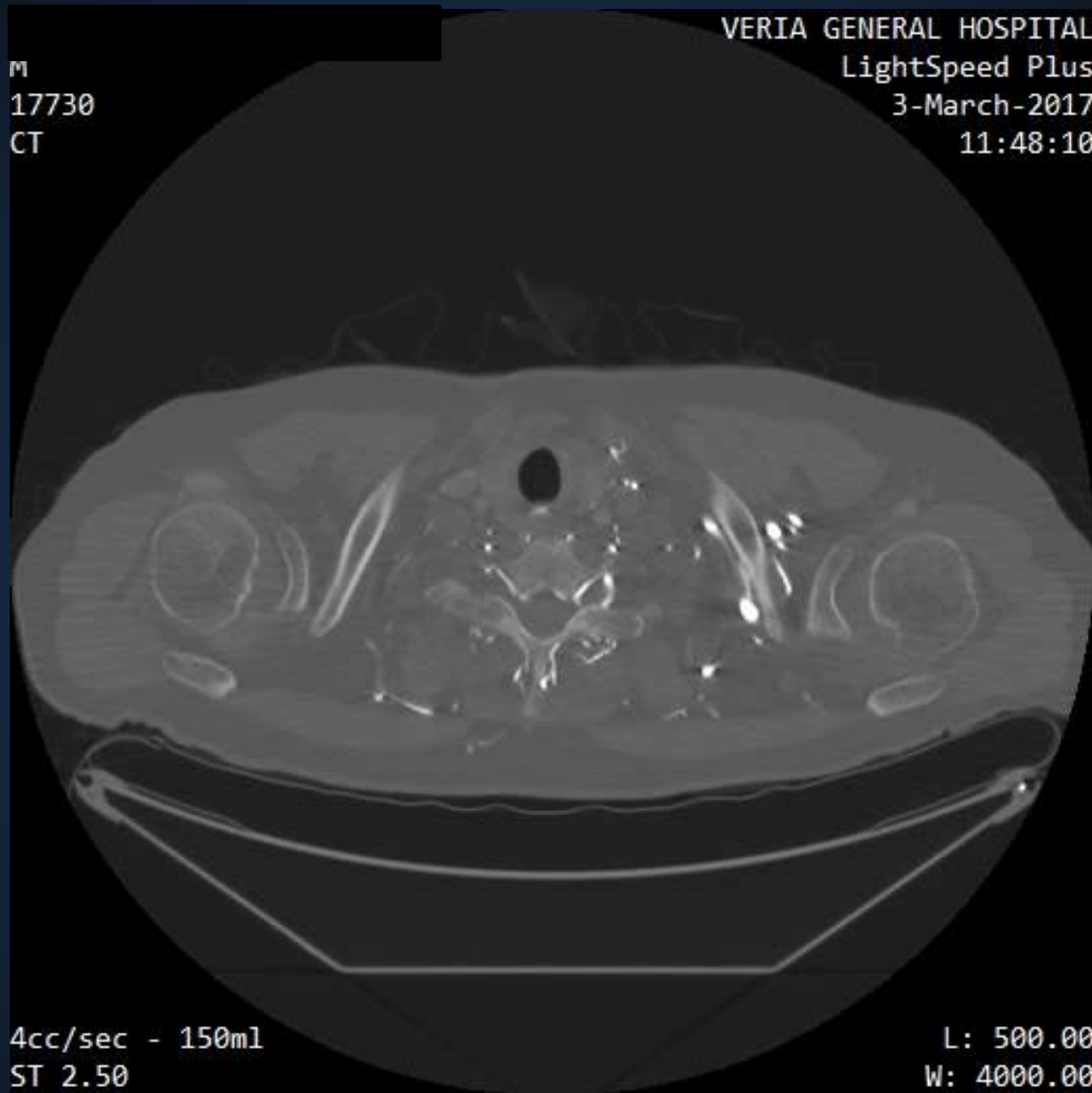
Case Presentation

Current status

- Dissection beginning at the LSA
- Ongoing aneurysm progression at 63mm
- Complete thrombosis of the TL at the level of the RA
- CA, LRA and IMA from FL, SMA dissected

M
17730
CT

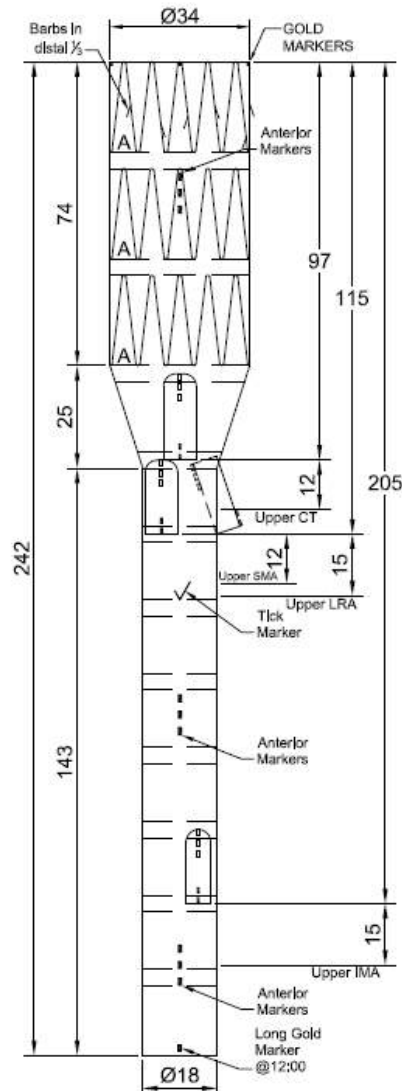
VERIA GENERAL HOSPITAL
LightSpeed Plus
3-March-2017
11:48:10



4cc/sec - 150ml
ST 2.50

L: 500.00
W: 4000.00

Case Presentation



INTERNAL/EXTERNAL SIDEBRANCH #1

DIAMETER: 8mm
 LENGTH: 21mm
 DIST FROM PROX EDGE: 97mm
 CLOCK: 12:00

INTERNAL/EXTERNAL SIDEBRANCH #2

DIAMETER: 8mm
 LENGTH: 18mm
 DIST FROM PROX EDGE: 115mm
 CLOCK: 11:00

INTERNAL/EXTERNAL SIDEBRANCH #3

DIAMETER: 6mm
 LENGTH: 18mm
 DIST FROM PROX EDGE: 115mm
 CLOCK: 2:45

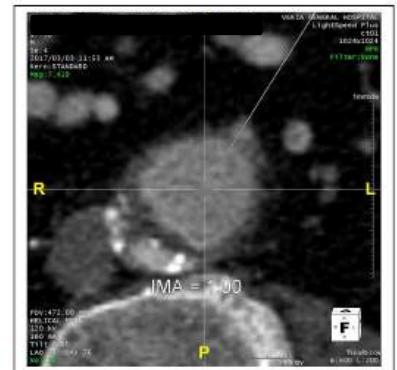
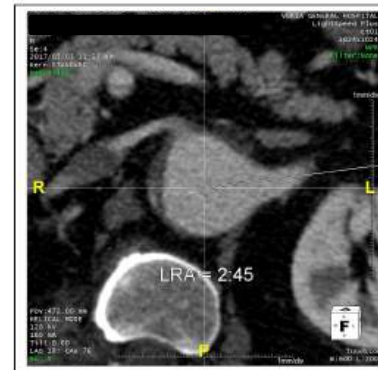
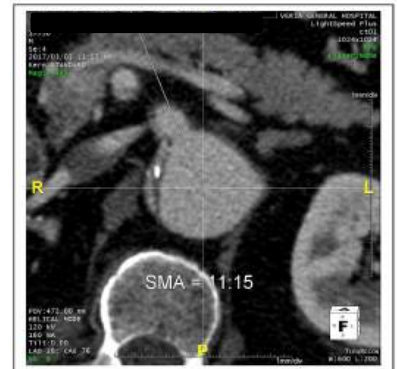
INTERNAL/EXTERNAL SIDEBRANCH #4

DIAMETER: 6mm
 LENGTH: 18mm
 DIST FROM PROX EDGE: 205mm
 CLOCK: 1:00

- SINGLE DIAMETER REDUCING TIES

Plus:

ZTEG-2P-32-200-PF
ZDEG-PT-38-30-199-PF
ZDEG-P-22-117-PF

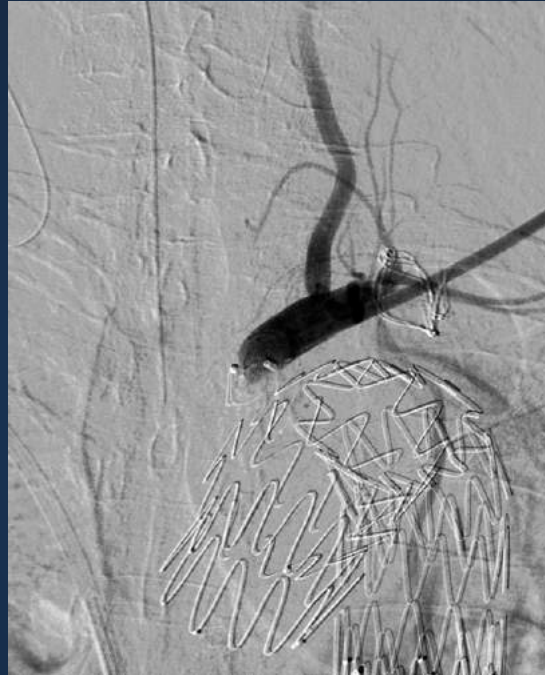


Case Presentation

First Procedure 02.10.:

- RCC-LSA Bypass with Reimplantation of the LCC
- Amplatzer Plug LSA
- 4x thoracoabdominal Stentgrafts in the FL (distal landing in left CIA)

Case Presentation

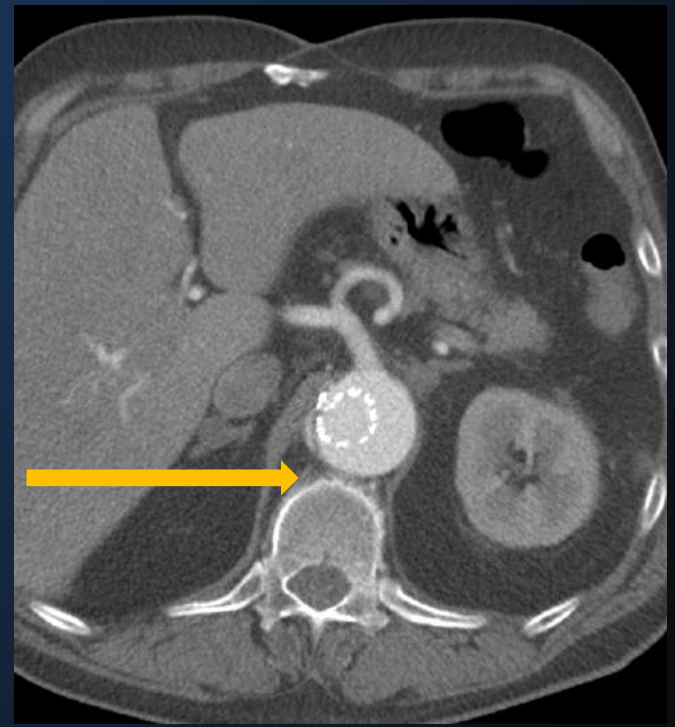


Case Presentation



FL thrombosis proximally

Patent SAs at the level of the CA



Case Presentation

Second Procedure 13.10.:

- Deployment of BE Covered Stentgrafts in SMA, LRA and IMA



Case Presentation

Third Procedure 24.10.:

- Cerebrospinal fluid drainage
- Right axillary cut down
- Puncture right SFA (through-and-through wire)
- Introduction of 12F and 8F coaxial sheaths over the right axillary artery

Case Presentation

Third Procedure 24.10.:

- Occlusion test of the CA with 10x8mm Balloon for 40'
 - **MEPS**
 - **Intrasaccular Pressure measurement (Volcano)**
- Completion with 2 BE stentgrafts



Regensburg Concept for B-EVAR in TAAA

- Preventive CSF
- Preserve Flow to the LSA and IIAs
- Staged Approach
- Intraoperative MEPS define completion interval
- Completion after occlusion test of the open branch
 - **under MEPS / local anaesthesia**
 - **AND Continuous intrasaccular blood pressure measurement**