

Complex Aortoiliac Occlusions

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Case



- 72Y, M
- Hyperlipidemia



- 2010: Prostate cancer → hormone therapy + radiation
- 2011: Rectal Cancer: Laparotomy → Rectum amputation + terminal colostomy
- 29.04.2015: Kissing stents CIA, Rutherford III
- 21.05.2015: Occlusion stents CIA and failure recanalization
- 24.06.2015: Aorto bi-iliac prosthesis

Case

→ 27.09.2022: Emergency department → presentation with acute developed bilateral claudication. Rutherford III, 90 meters

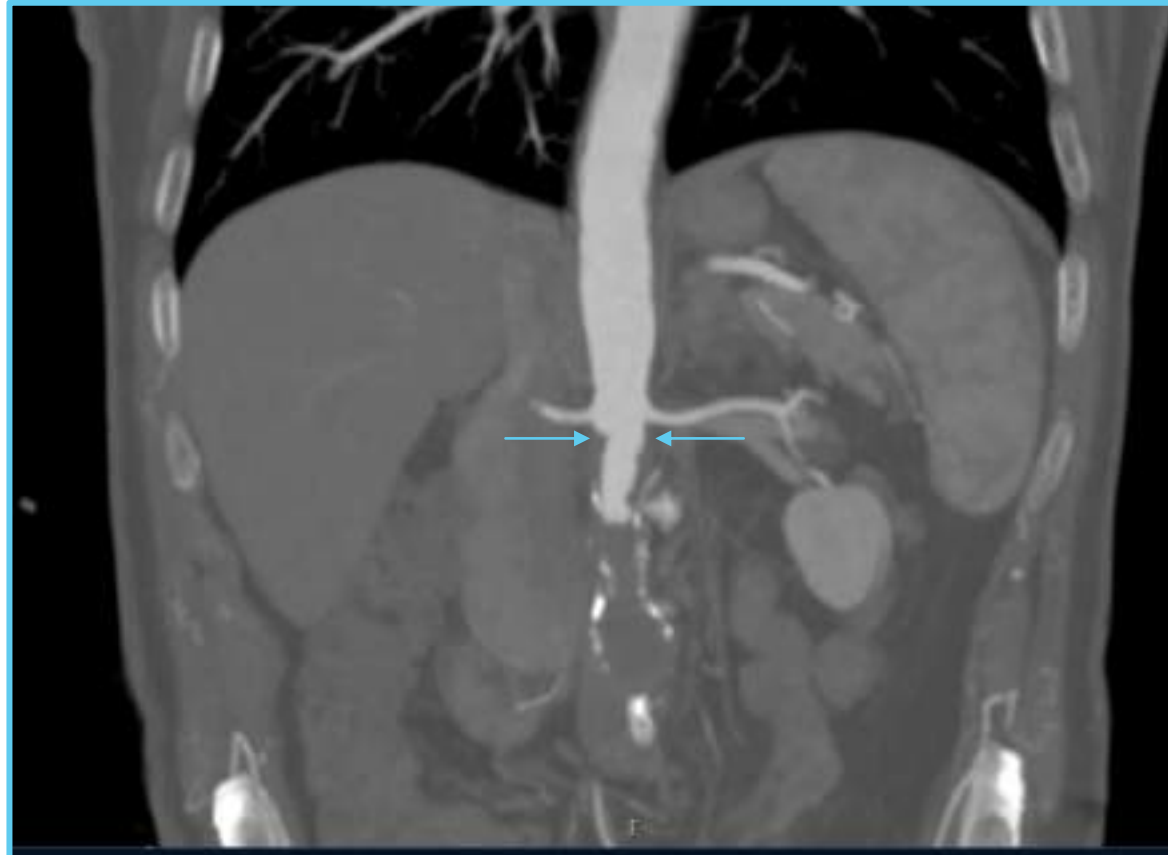


→

→ CT angiography: occlusion of the aorto bi-iliac bypass



CTA What do you see?



Case



→ What to do?

→ Options

1/ wait and see

2/ endovascular thrombosuction +/- trombolysis

3/ hybrid : open thrombectomy +/- stenting if necessary

4/ redo open surgery (third time)

5/ axillo bifem bypass

Case Description



- Admission, Observation, Heparine
- After explaining the options/risks + the symptoms of the patients
- Decision: conservative therapy
- Discharged +2 days with anti-platelets
- Management: Supervised Walking Therapy



Case



- 10.12.2022:
- rest pain and ischemic wounds
- ABI en TP
 - ABI right: 0,16 left: 0,13
 - TP right 27 mmHg left 0 mmHg

Case

- Rutherford 5 bilateral ischemic ulcers
- Multidisciplinary meeting (IR, Vascular Surgeons)



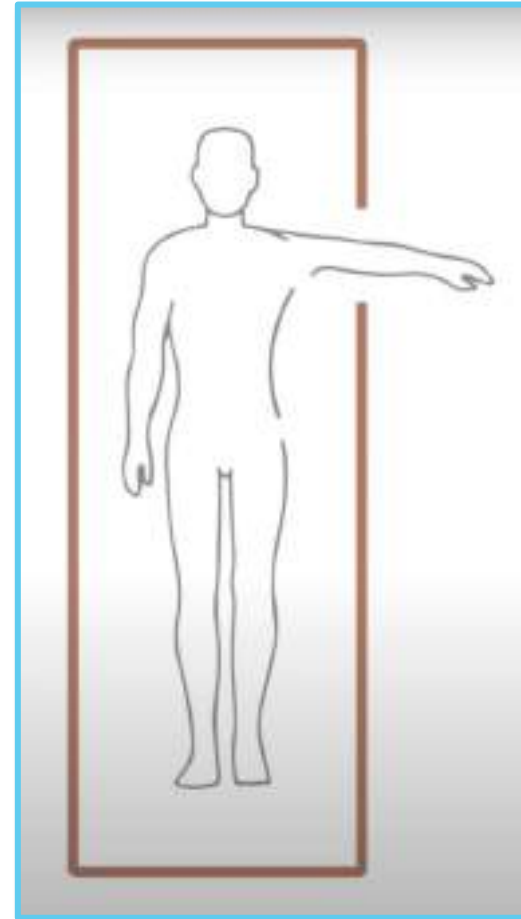
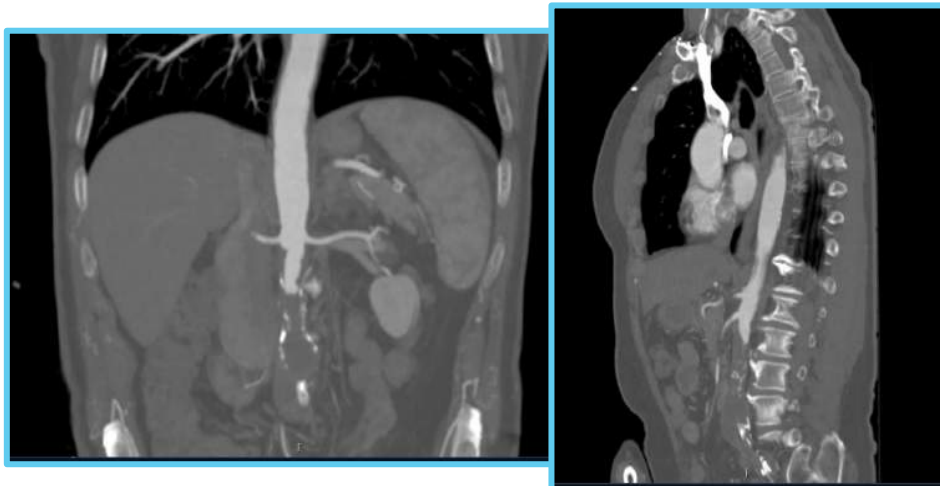
- 1/ ~~wait and see~~
- 2/ ~~endovascular thrombosuction +/- thrombolysis~~
- 3/ recanalization and stenting
- 4/ redo open surgery (third time)
- 5/ axillo bifem bypass



Details Procedure: Chimney CERAB

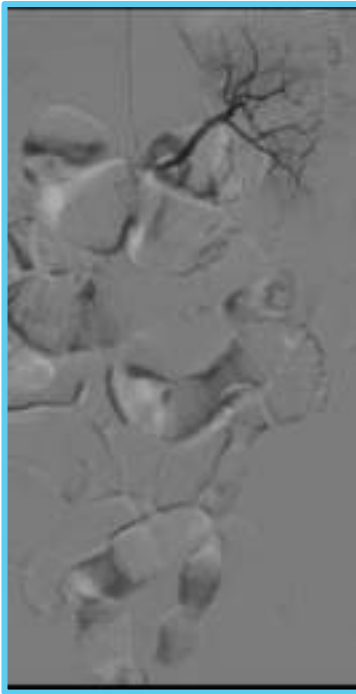
General anesthesia

- Surgical cutdown axillary artery
- 12F sheath in the suprarenal aorta
- Ultrasound-guided puncture bilateral CFA
 - 2x 9F sheath



Details Procedure

- Rekanalization of both limbs
 - Right via antegrade and snare
 - Left via retrograde
- Antegrade positioning BECS (Advanta V12 5x39) in RRA and LRA
- Retrograde positioning Advanta V12 LD 12x29. Cristal Balloon distal 16mm



UF broken due to rotation



Details Procedure



→ 2x Scitech Solaris 7x100 EIA
- graft

Details Procedure

→ 2x Advanta V12 7x59
graft limbs

→ 2x Advanta V12 8x38
main body





Postoperative

- Uncomplicated
- No rest pain
- Discharged after 1 night
- Medication: Dual Antiplatelet Therapy (DAPT)

Follow-up

- Return visit in 6 weeks with CT angiography
- Wounds are healing-> no amputation

Follow-up 6 weeks



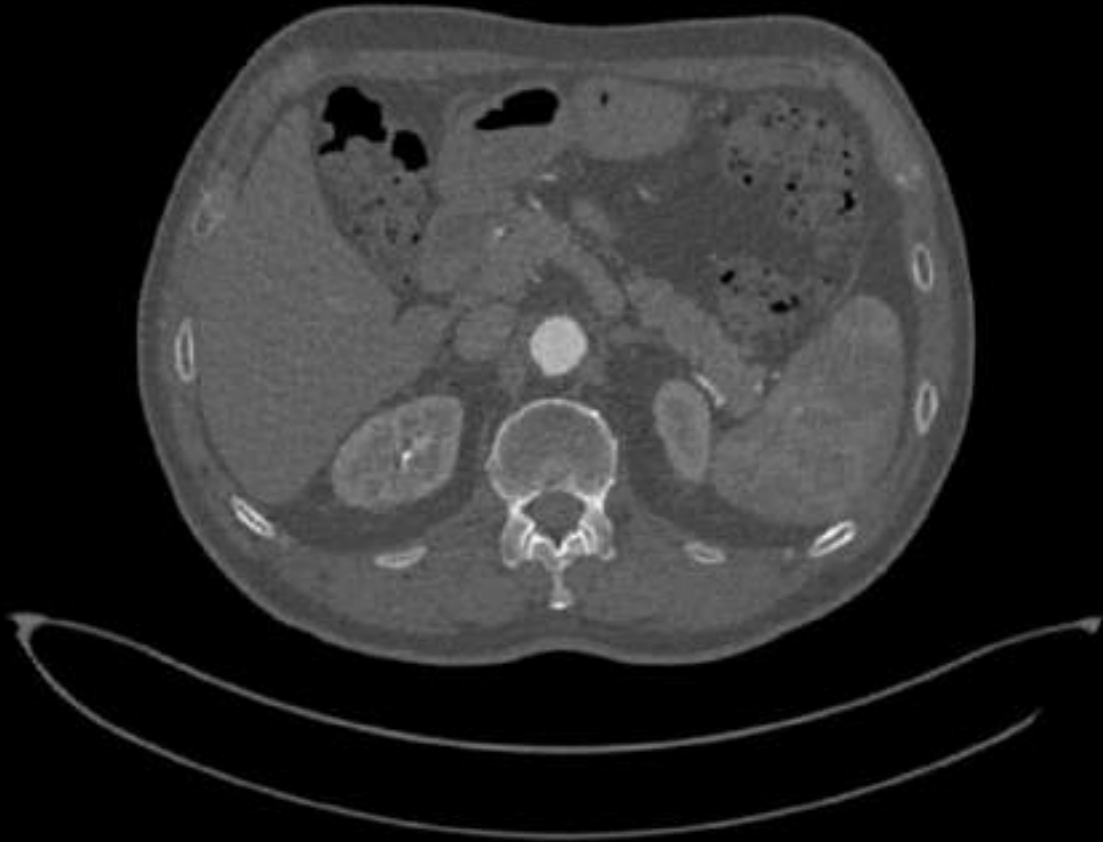
CTA after ONE Year

Zuyderland, lokatie Heerle

SOMATOM Definition AS

25-1-2024, 11:17:59

NLRZUY000947299-



p

Pos: FF
Slice: 1 mm
Contrast: Xeneti
C: 250,0, W: 1800,0
80 kV
162 mA

Price

CERAB

7x V12 (900 euro/piece) = 6300

2x Solaris (1895 euro/piece) = 3790

1d Hospitalization Ward 700 euro/day =
700

10.790 euro

More frequent follow-up needed

OPEN REPAIR

Hospitalization IC 2500 euro/day = 5000

Hospitalization Ward 700 euro/day =
4900

Aortobifem bypass 500

Higher Mortality and Morbidity after
redo operation!

10.400 euro

Thank You For Your Attention

Questions?



zuyderland