ENDOVASCULAR TREATMENT
OF JUXTARENAL OCCLUSIONS:
TECHNIQUE OF TREATMENT
AND RENAL AND VISCERAL PROTECTION:
MIDTERM RESULTS
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(grade II lev B)

The CERAB technique: tips, tricks and results

No Disclosure
- Risk of failure (low < 5%)
- Risk of embolization/thrombus displacement

Lesson learned: Recanalization from above with sheath inside the lesion.

Related to the occlusion level.

Related to the presence of recent thrombus 3 MTHS after 2 Renals 1 Visceral.

High with no precaution.
RECENT THROMBOSIS IS A RISKY SITUATION


goingue-neck cannulating the sheath

RECUPERATE THE WIRE FROM BELOW

FEMORAL ARTERY INVOLVEMENT

OCCLUSION CLOSE TO THE CFA

SFA puncture
DFA puncture

FEMORAL ARTERY INVOLVEMENT

Hybrid surgery
SFA patch

THE WIRE FROM ABOVE IS EXCHANGED WITH ONE FROM BELOW

RENAL ARTERIES PROTECTION FILTERS: ONE RENAL (MISALIGNED)
RESCE

RENAL ARTERIES PROTECTION FILTERS: BOTH RENALS

TWO SHEATHS FROM ABOVE

SOLITARY KIDNEY → BALLOON!!

RENAL ARTERIES PROTECTION
PROXIMAL ANGIOPLASTY

➤ Suboptimal to reduce thrombus squeezing (7-8 mm balloon)
DISTAL ANGIOPLASTY

Suboptimal

to avoid rupture

Avoid!!!

RENAL ARTERIES PROTECTION
HUGGING BARE STENTS

One shot proc
6F sheath
< thrombus dislodg

RENAL AA PATENCY → 8/19 PTS

OpenCell-STENTS ABOVE THE RENALS OR
ASSOCIATED RENAL STENTING OR CHIMNEY

2 2 4 (1 BILAT)

RENAL ARTERIES PROTECTION
BALLOON: SOLITARY KIDNEY → CHIMNEY

OPEN FIRST VIABAHN, THEN AORTIC STENTS

COVERED STENT
USED FOR ILIAC LESIONS

COVERED STENT
BETTER FOR ANEURYSMS

ANEURYSM REPERFUSION AT 3 YRS
RELYING WITH VIABAHN

Leriche Syndrome 19 PTS
FEB 2010 – OCT 2016
IMMEDIATE RESULTS

- Death 0
- Embolization 3
- Retroper haemat (high puncture) 1
  ARF (temporary dialysis)
- Stent occlusion *(treated) 1*

ARF (temporary dialysis)

Leriche Syndrome 19 PTS
FEB 2010 – OCT 2016

EMBOLIZATION

3/5 2010-2011 *(2 TREATED)*
  filter (single) 1
  wire 1

0/14 2011-2016
  filter (single 3) 6

LATE RESULTS 19 pts
follow-up 38.6 mths (1- 80 mths)

- Death 3 10.5%
  (6/24/41 mths unrelated)
- Prim patency 89.5%
- Sec patency 94.7%
- Ren art patency 100%
- AAA reperfusion (viabahn)

CONCLUSIONS

- RECANALIZATION IS FEASIBLE
- SOME PRECAUTIONS ARE NECESSARY
  - RECANAULATE WITH THE SKEATH INSIDE LESION
  - PROTECTIVE MEASURES FOR RENALS
  - SUBOPTIMAL ANGIOPLASTY
  - IF THROMBUS PASSES THE ARTERIES ➔ CHIMNEY
- MID TERM RESULTS ARE ENCOURAGING

THANK YOU FOR THE ATTENTION