Strategies on the Frontline Case

Carotid Artery Intervention

D. Chris Metzger, MD
Ballad Health CVA Heart & Vascular
Kingsport, TN, USA
Disclosures

• **Symposia Honoraria & Proctor Fees:**
  - Abbott, Endologix/ TriVascular

• **Symposia Honoraria:**
  - Boston Scientific, Bard, Gore, CSI, Medtronic

• **VIVA Board Member**

• **National PI/Co-PI:** Confidence, SAPPHIRE WW, CANOPY

• **Research Grants, Stocks, Equity**
  - None
Case Presentation

- 81 yo male with severe CAD, prior CABG, all SVG’s occluded, moderate disease LIMA → LAD distal anastamosis
- Aortic stenosis with AVA 0.9 cm²; mean AV gradient 42 mm Hg
- COPD with O₂, Htn, NIDDM, dyslipidemia, cervical disc Dz
- Admitted with NSTEMI; plan for cath/PCI and staged TAVR
- Had R hemispheric TIA with L arm and leg weakness x 20”; history of 3 recent TIA’S; recovery to baseline
- CDU: R PSV 452 cm/sec, EDV 153 cm/sec; ICA/CCA 7.3
- MRI: Tiny non-hemorrhagic R frontal subacute stroke
- CTA: Deeply ulcerated RICA > 80%
L AP Cerebrals: No definite posterior communicating artery or collaterals to right hemisphere
Note Ascending pharyngeal artery

RICA: LAO view

RICA: RAO 40
RICA: lateral 90°
(Ulcerated)

R AP Cerebrals: No P. Comm.
(Glidewire and vert into terminal ECA; XC to Supracore)
Position, inflate ECA balloon

Take picture as reference image
Confirm good ECA balloon position, *then* remove Supracoar
Confirming “wire tip free” before inflating CCA balloon
Wiring RICA lesion with proximal protection
Deploying distal embolic protection

PTA 4X30 NC with dual protection

Stent Choice??
Deploying XACT 10X8X40 stent
PTA 5 X 20 NC within stent

Any other stent ideas/considerations?
XACT 8X8X20 stent in heavy ulcerated area
Aspiration of MoMa (X5) AND Export aspiration
After aspirations/export, removing dEPD with proximal protection
ECA balloon down FIRST, then..

CCA balloon down 2nd
Cerebral angios AND neuro checks with MoMa in place
MoMa out with aspiration (NO wire)
Post- CAS Course…

- Patient did well with normal NIHSS and no neuro symptoms
- DES to native LAD via LIMA next day
- Discharged home, underwent successful TAVR 4 weeks later performed percutaneously with conscious sedation
- Doing well at 9 month follow up
Comments??
Attend the conference live from your computer!

VIVA 19

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at Wynn Las Vegas, Nevada, USA
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