

Addressing Unmet Needs: Practical application of the Navion Device

Prof. Dr. Götz M. Richter

Director Klinik for Diagnostic und Interventional Radiology

Klinikum Stuttgart, Germany

Schichtdicke: 12,92mm
Modus: MIP

Prof. Dr. G.M. Richter, KDIR

Klinikum Stuttgart

Unmet Needs?

Clinical challenges in acute dissection

Critical vs. uncritical TBAD

Reduction of complications in uncritical TBAD

Pushing the limits in complex arch pathology

Small access sizes

Critical arch aneurysm

Open vs. endovascular repair

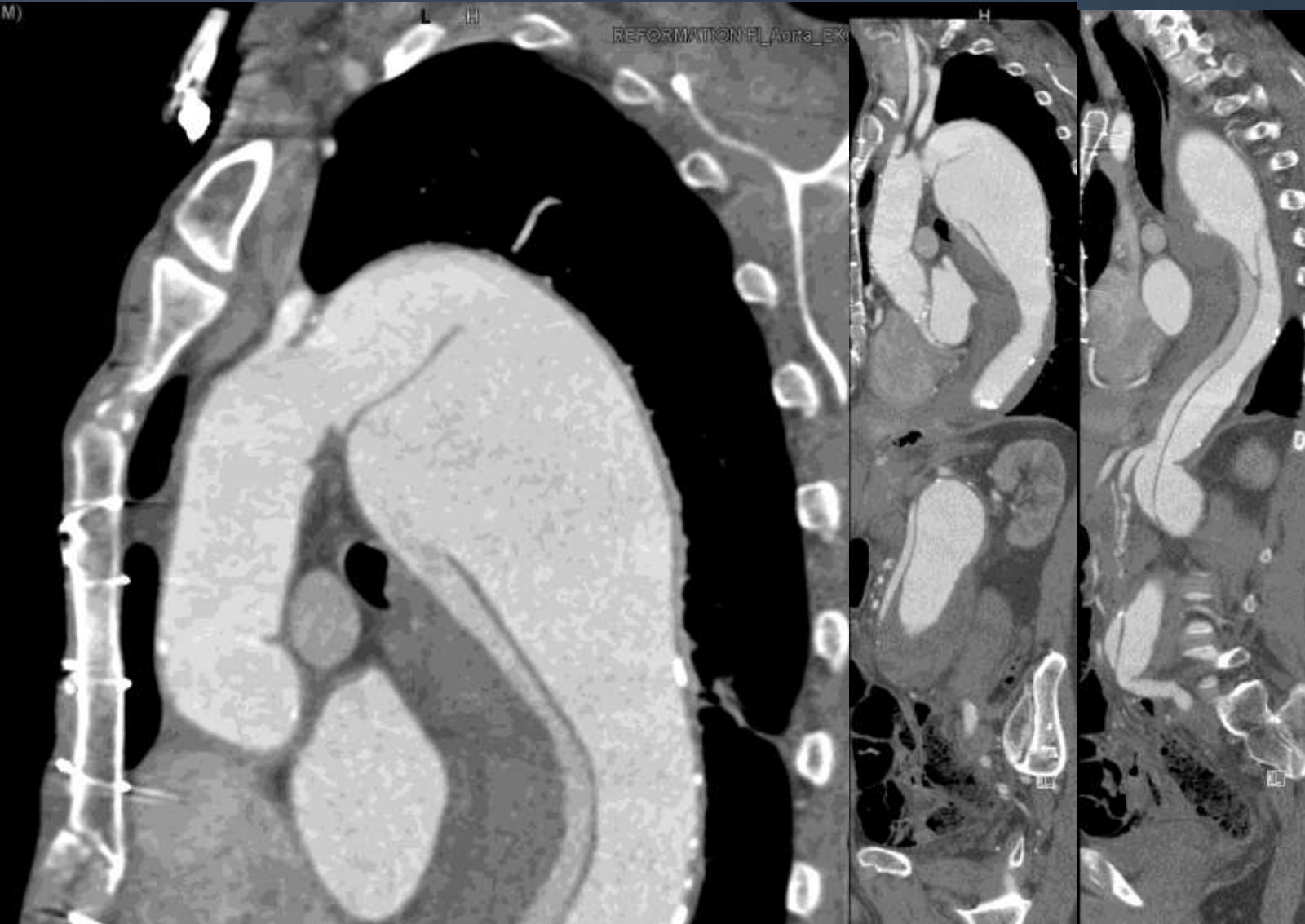
Tortuosity

Schichtdicke: 12,92mm
Modus: MIP

Prof. Dr. G.M. Richter, KDIR

Klinikum Stuttgart

Gothic Arch, High Urgency TBAD, Imminent Rupture, Severe Pain



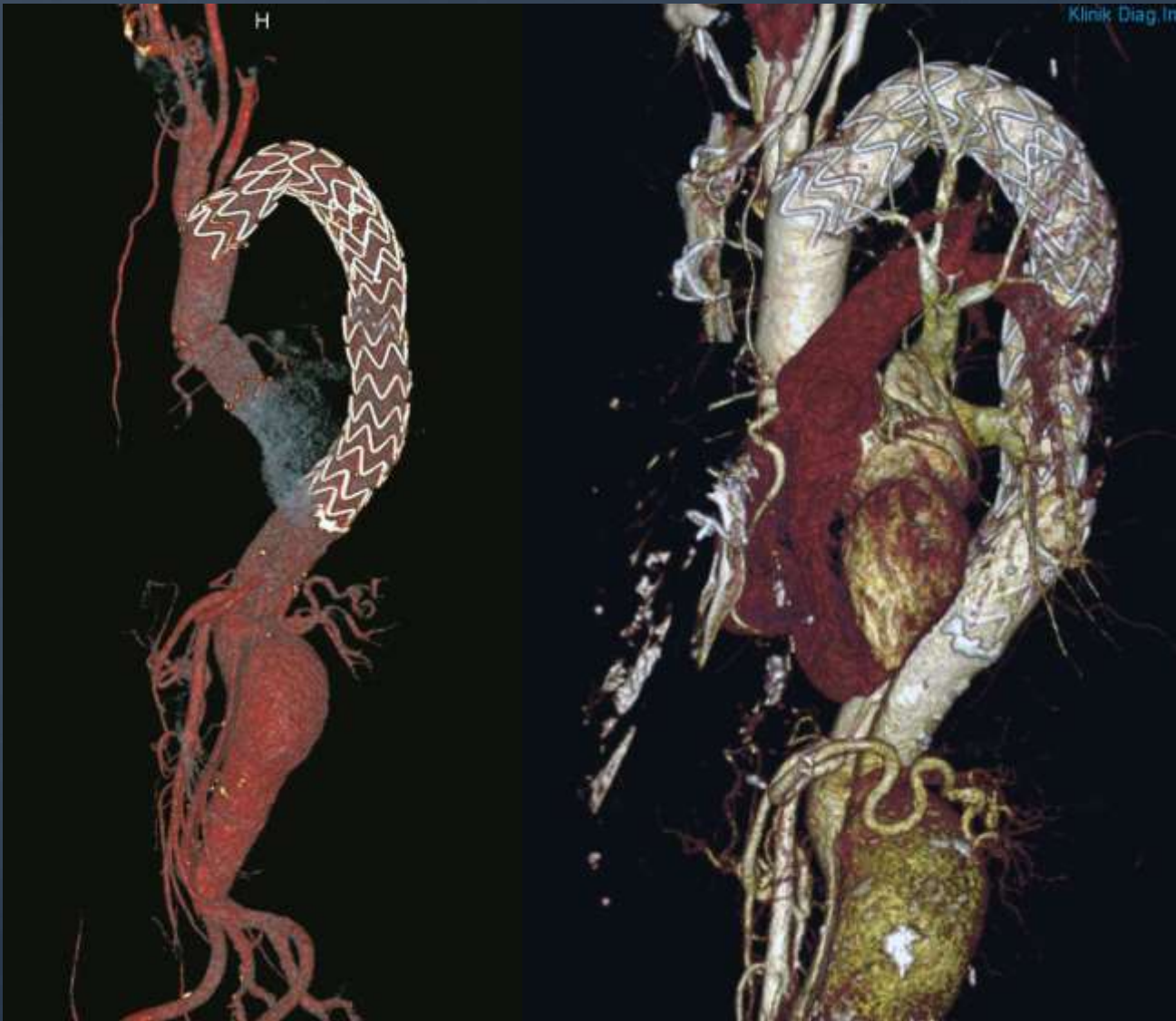
Imminent Rupture, LSA Bypass 1st



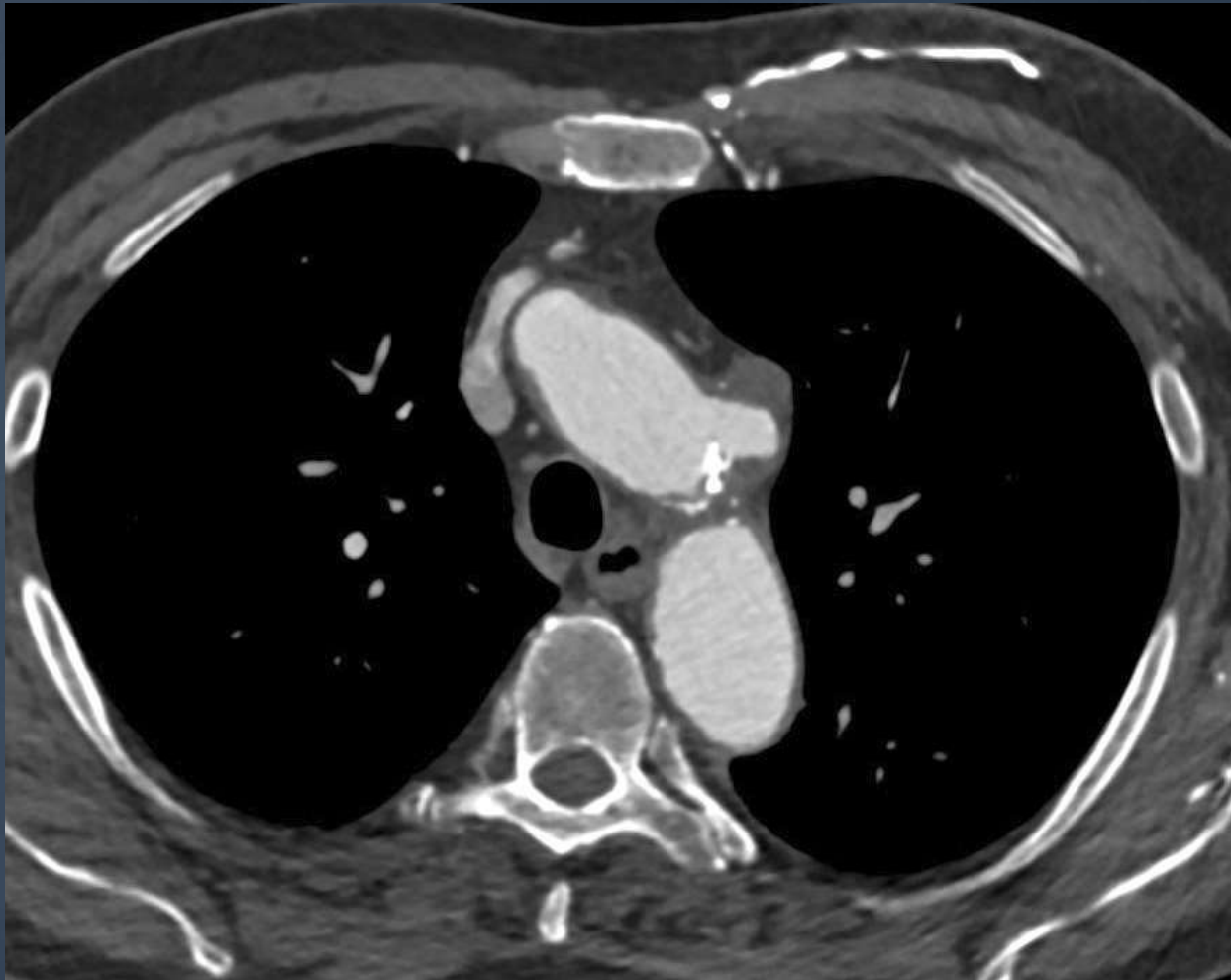
24 Hours after LSA bypass: Navion Placement



Final Result: 1 Month / 6 Months



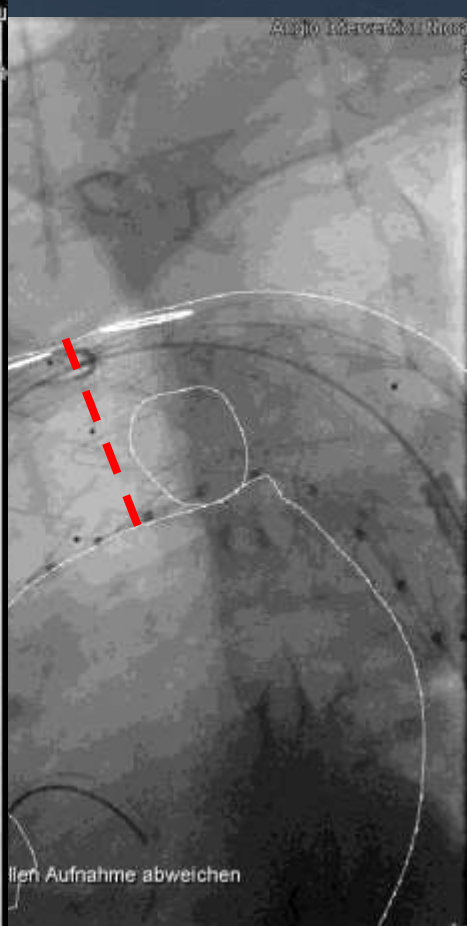
Symtomatic Zone 2/3 Aneurysm



Open vs. Endovascular Arch Repair



LSA Bypass + Precise Placing



Post Navion LSA Thrombosed



Clinical Summary (103 Patients)

| | |
|---|--------------|
| Critical aneurysm occluded | 41/43 |
| Remodelling in dissections | 42/47 |
| Remodelling in IMH | 11/11 |
| Paraplegia | 0/102 |
| 30 day mortality | 1/102 |
| Groin revision in perc. approach | 3/80 |