



MEET 2014
MULTIDISCIPLINARY EUROPEAN
ENDOVASCULAR THERAPY

THE NEXT GENERATION OF FENESTRATED ENDOGRAFTS

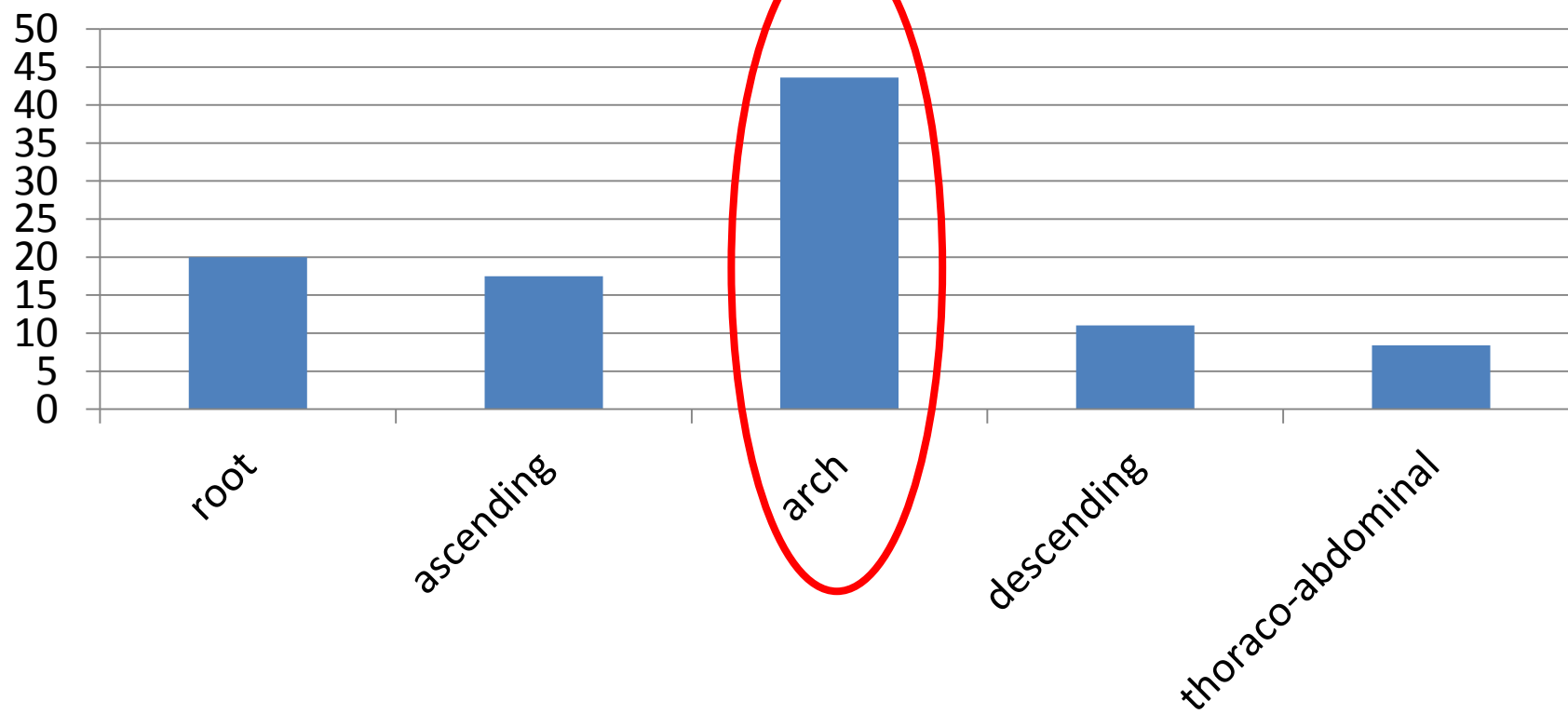


Department of Cardiovascular Surgery, Tokyo Women's Medical University
Takashi Azuma, Yoshihiko Yokoi, and Kenji Yamazaki

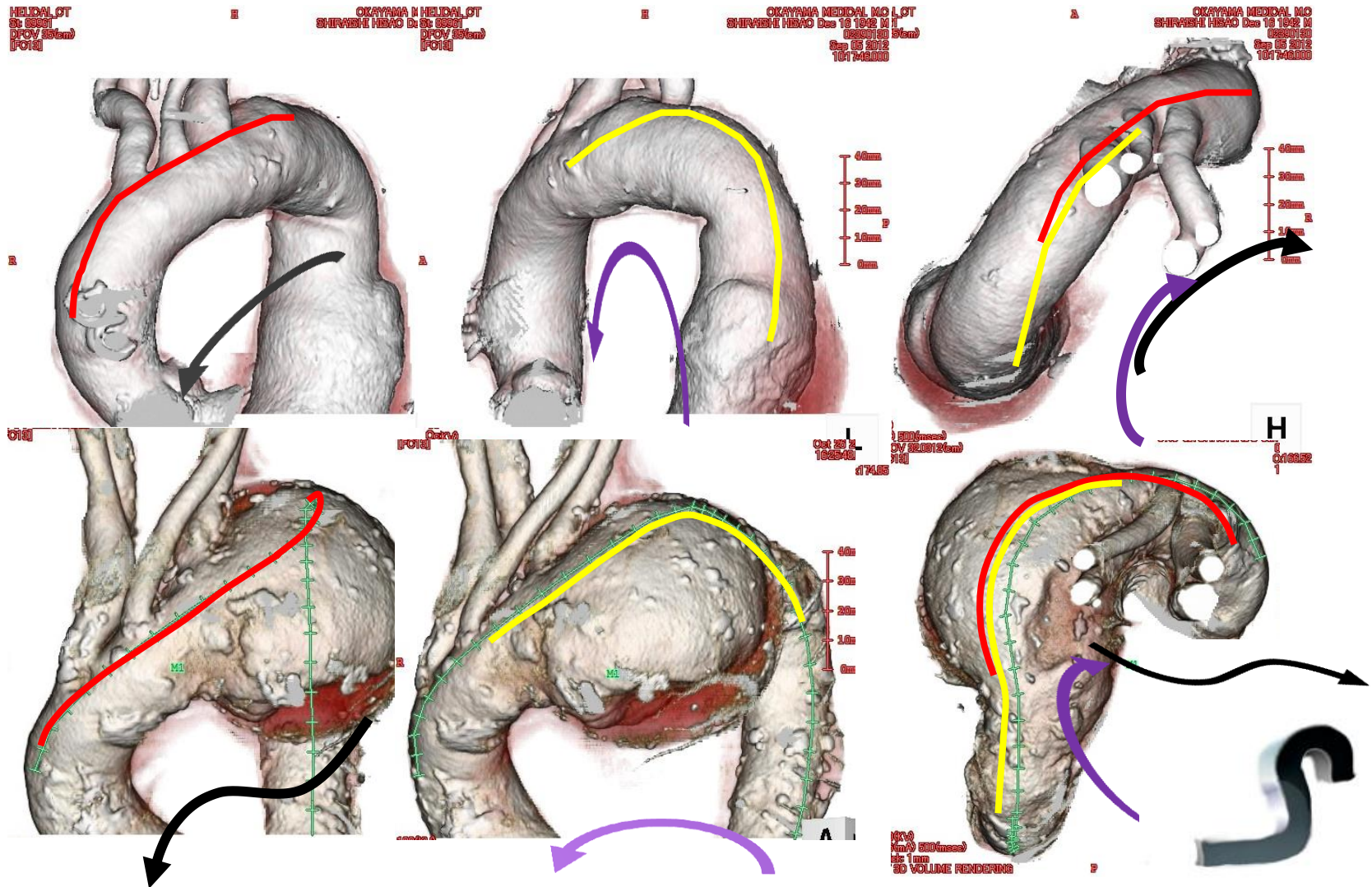


Why arch?

TAA in Japan



Anatomy of arch pathology



How to fit to stent-graft to the S-curve?



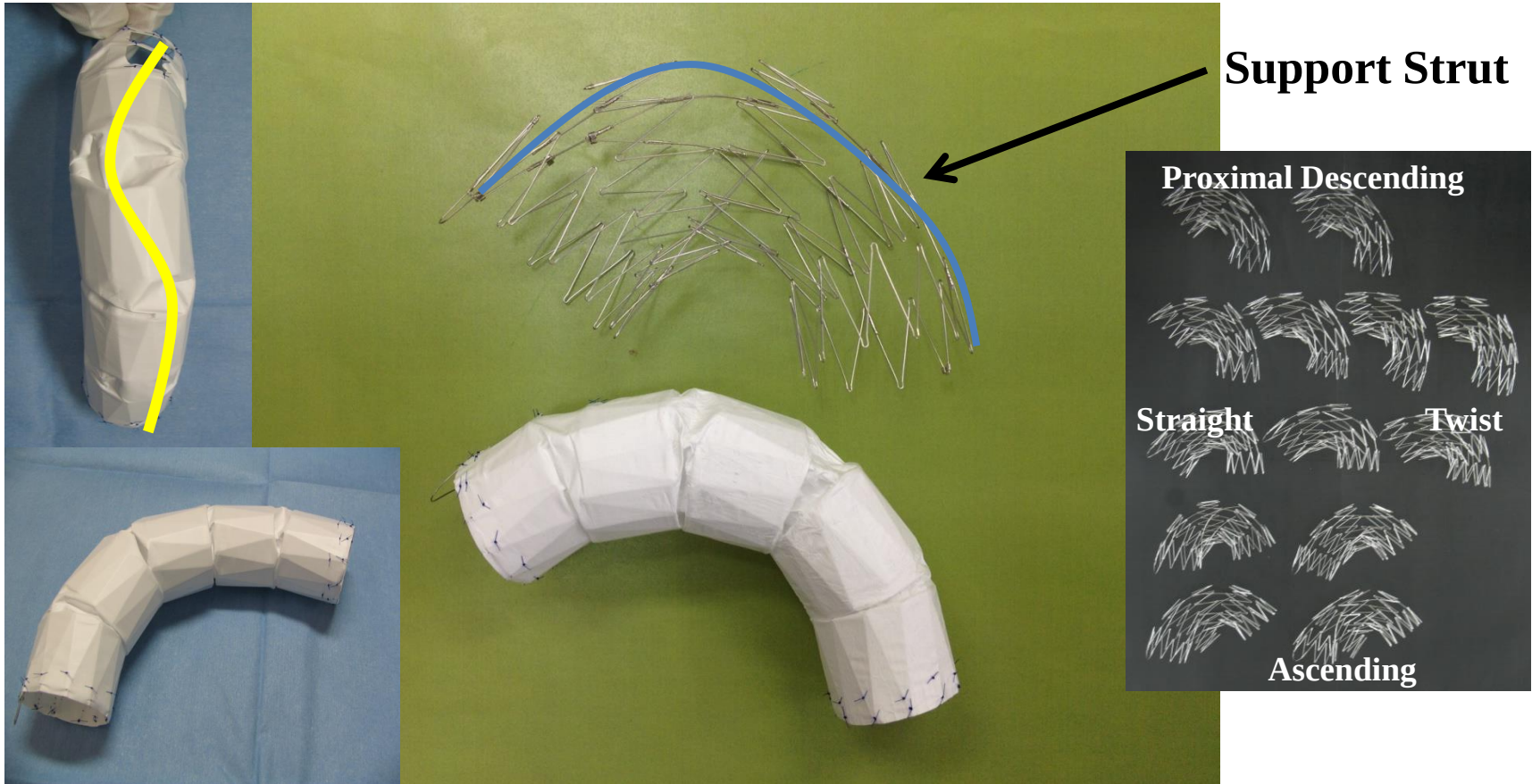
Key features

- Precurved endograft design
- Fenestrations
- Active sealing
- Easy positioning
- Tapered Sheath technology
- Rotation control
- Targeting zone 0 landing
- Stepwise stent-grafting

Key features

- Precurved endograft design
- Fenestrations
- Active sealing
- Easy positioning
- Tapered Sheath technology
- Rotation control
- Targeting zone 0 landing
- Stepwise stent-grafting

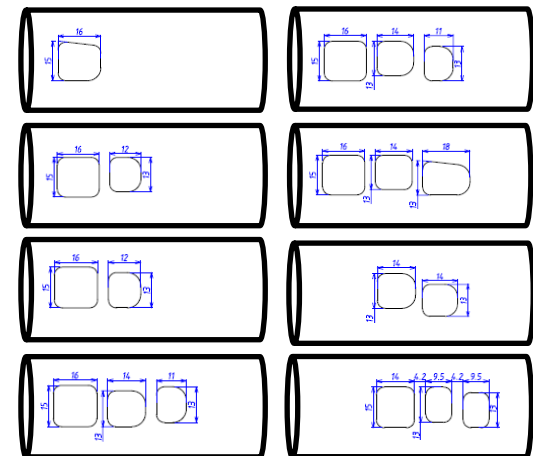
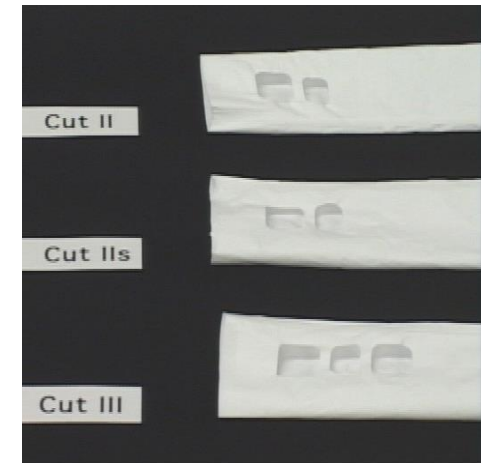
Precurveded endograft design



Key features

- Precurved endograft design
- **Fenestrations**
- Active sealing
- Easy positioning
- Tapered Sheath technology
- Rotation control
- Targeting zone 0 landing
- Stepwise stent-grafting

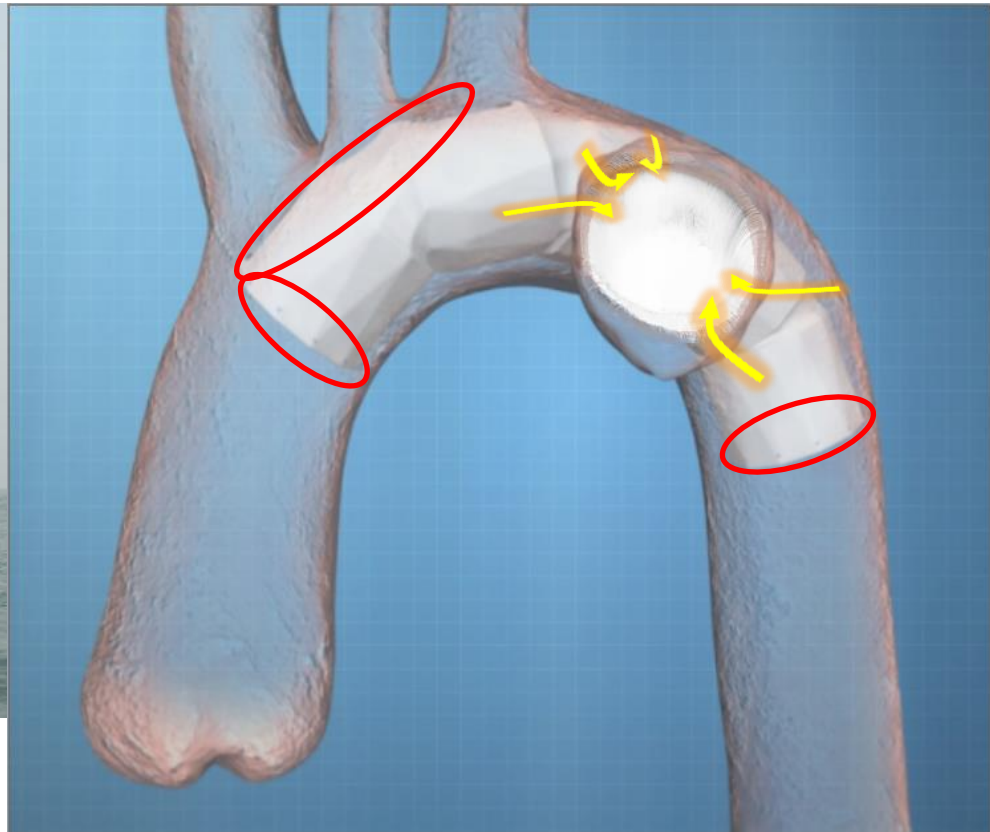
Fenestrations



Key features

- Precurved endograft design
- Fenestrations
- **Active sealing**
- Easy positioning
- Tapered Sheath technology
- Rotation control
- Targeting zone 0 landing
- Stepwise stent-grafting

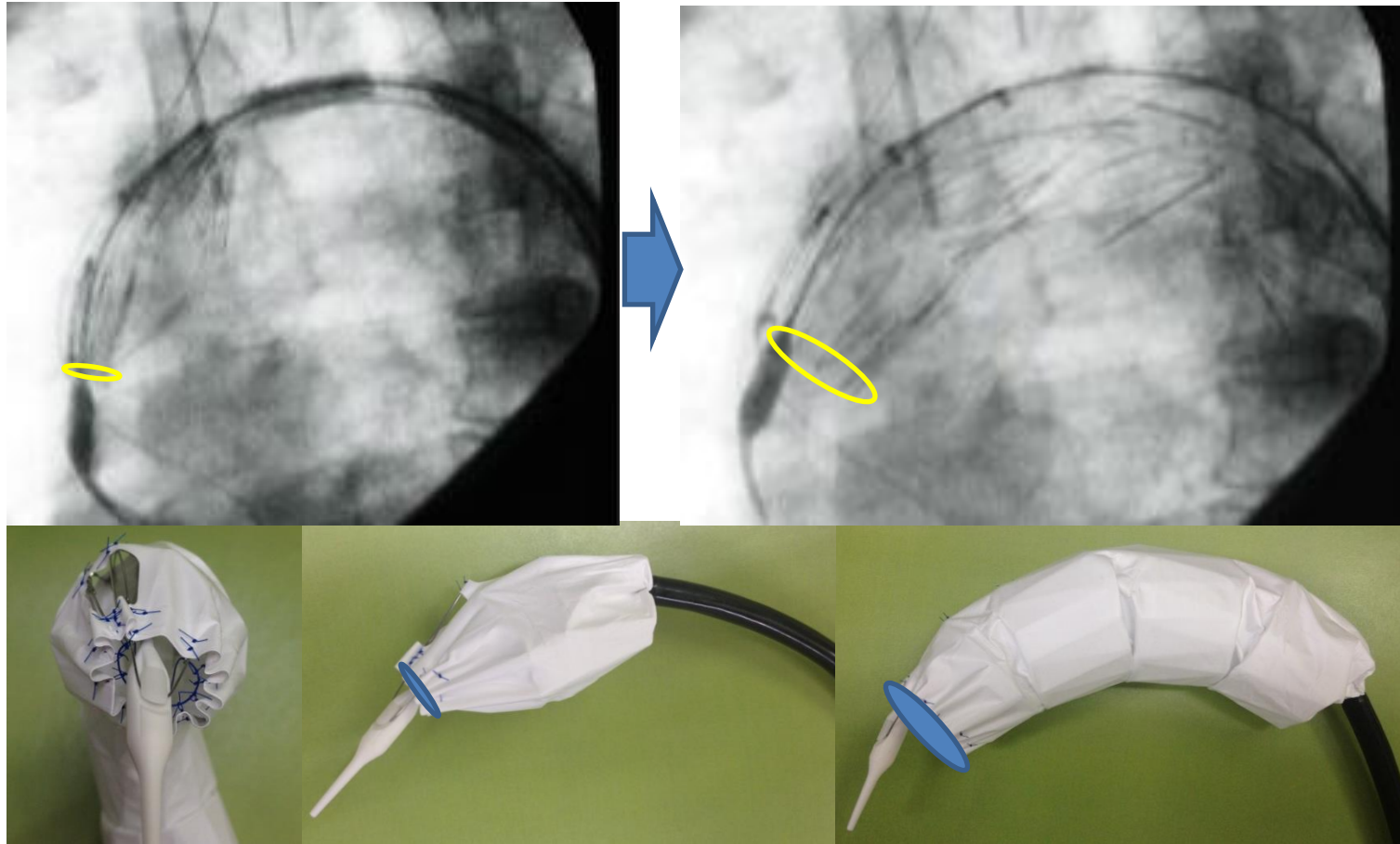
Active sealing



Key features

- Precurved endograft design
- Fenestrations
- Active sealing
- **Easy positioning**
- Tapered Sheath technology
- Rotation control
- Targeting Zone 0 landing
- Stepwise stent-grafting

Easy positioning



DSA

MEET 2014
MULTIDISCIPLINARY EUROPEAN
ENDOVASCULAR THERAPY

TOUNO SACHIKO

PHILIPS BV Libra

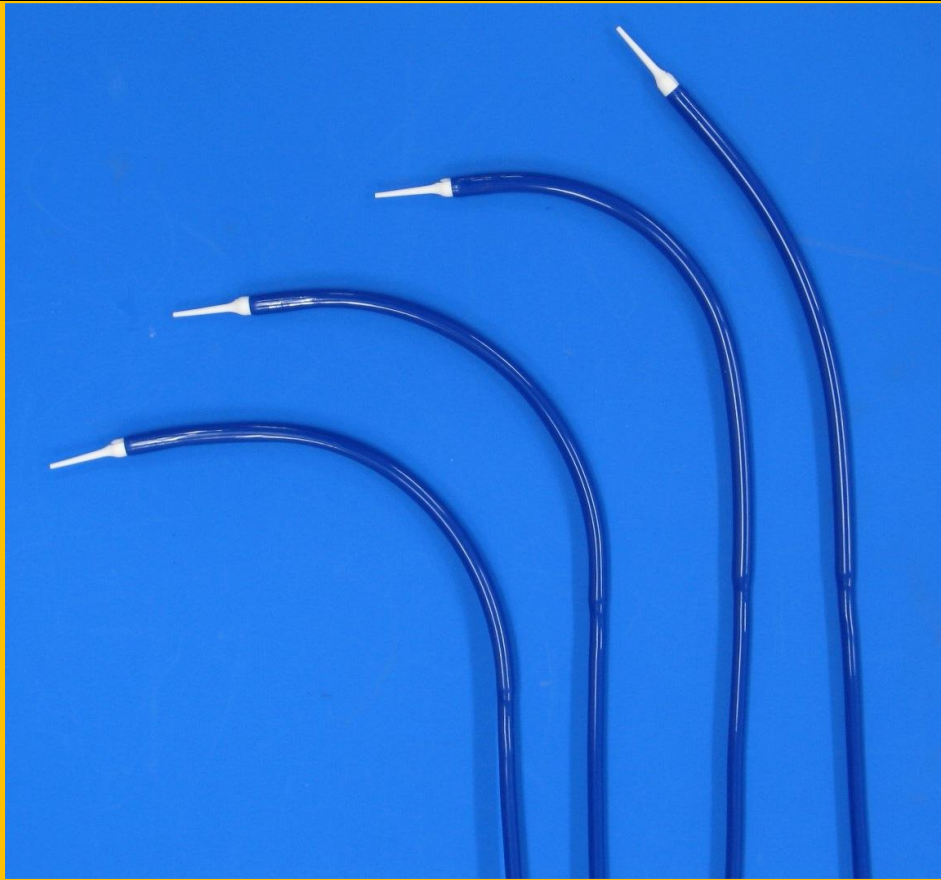
SUBTRACT
INJECT



Key features

- Precurved endograft design
- Fenestrations
- Active sealing
- Easy positioning
- **Tapered Sheath technology**
- Rotation control
- Targeting zone 0 landing
- Stepwise stent-grafting

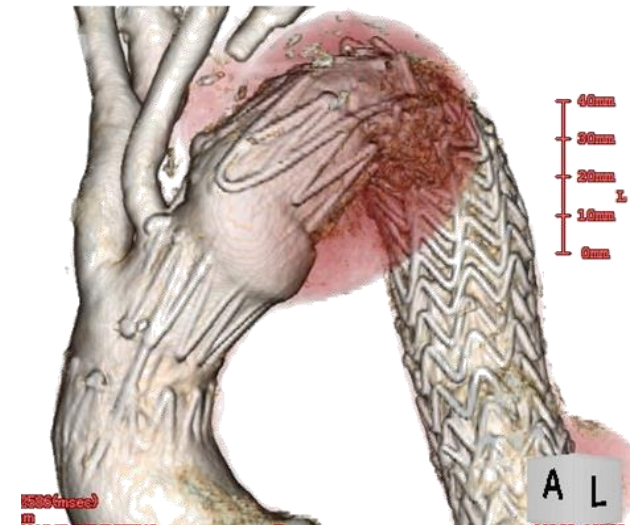
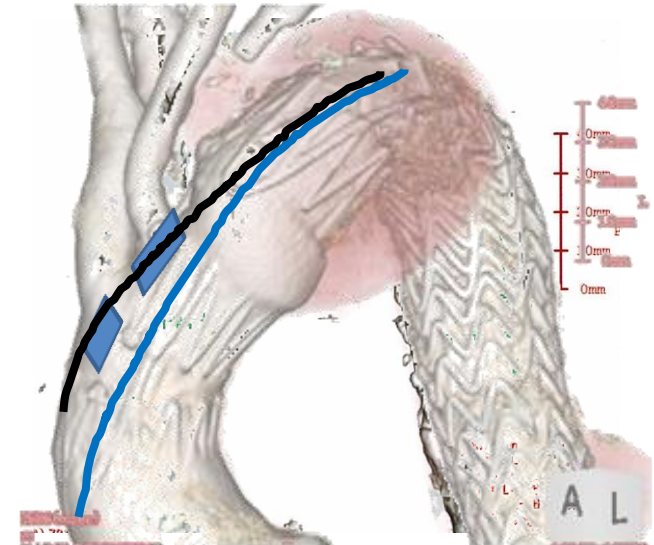
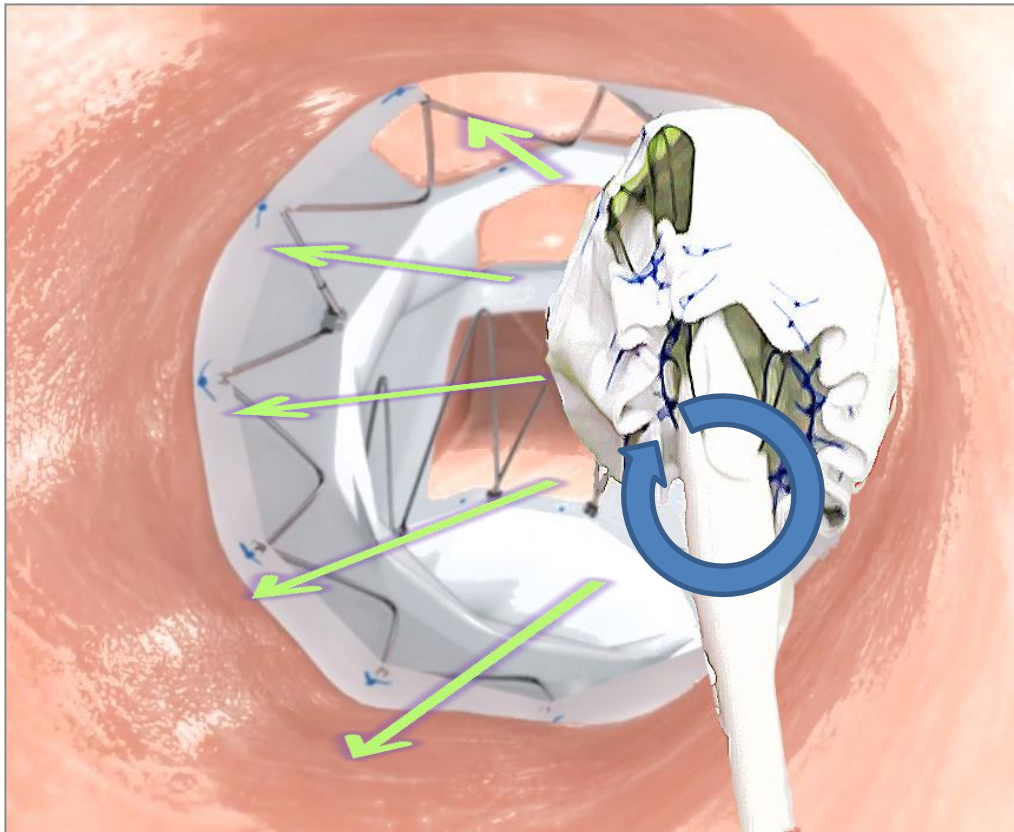
Tapered sheath technology



Key features

- Precurved endograft design
- Fenestrations
- Active sealing
- Easy positioning
- Tapered Sheath technology
- **Rotation control**
- Targeting zone 0 landing
- Stepwise stent-grafting

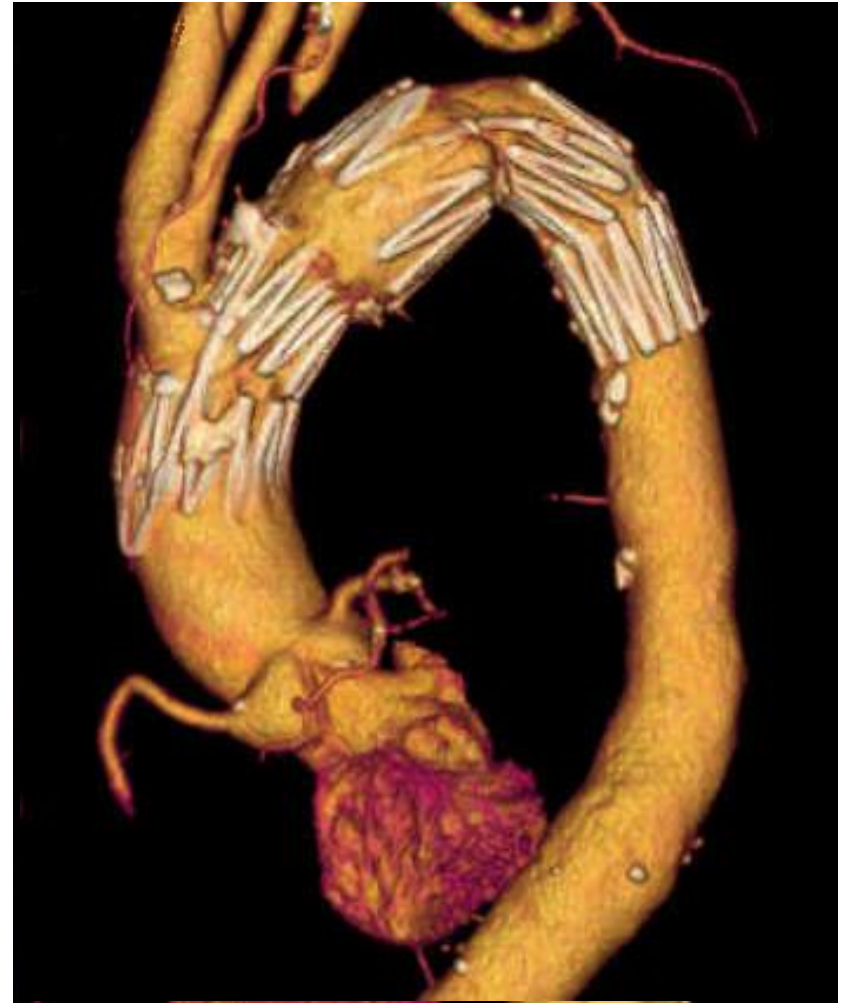
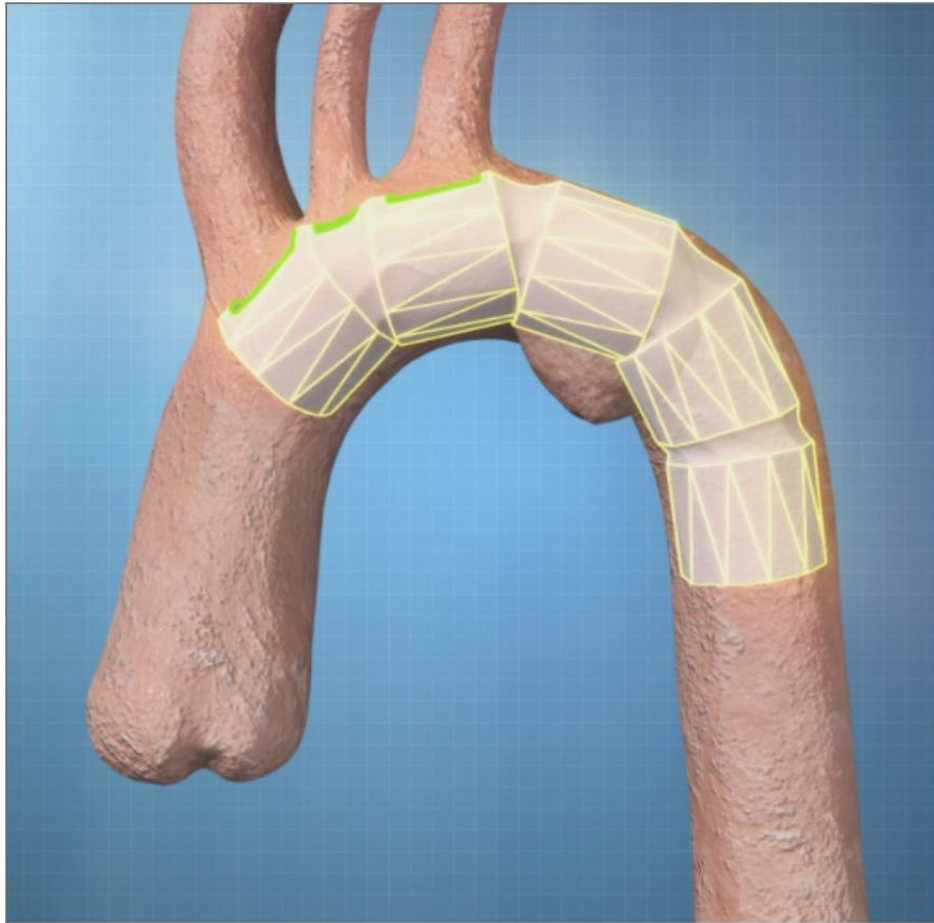
Rotation control



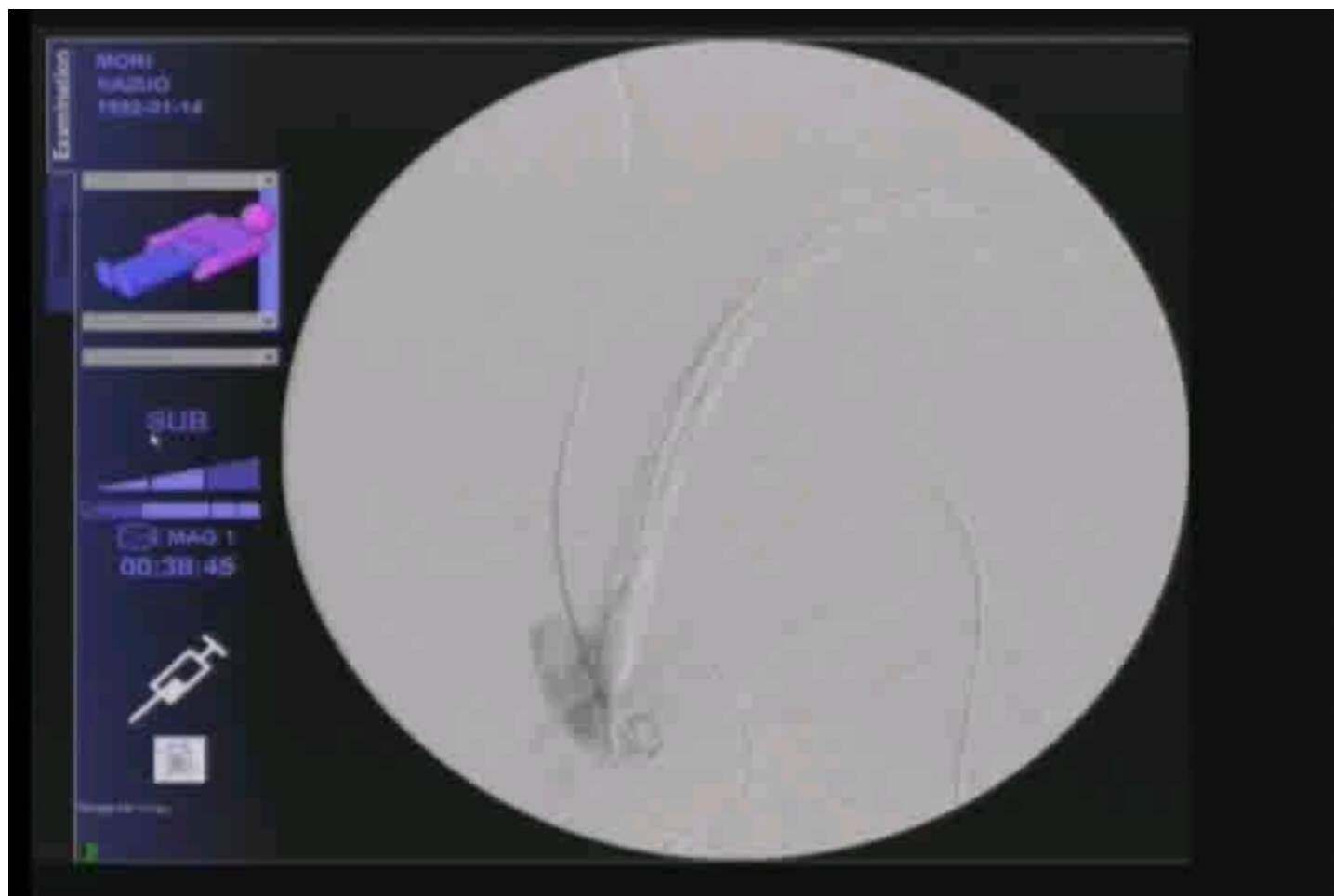
Key features

- Precurved endograft design
- Fenestrations
- Active sealing
- Easy positioning
- Tapered Sheath technology
- Rotation control
- **Targeting zone 0 landing**
- Stepwise stent-grafting

“Zone 0” landing



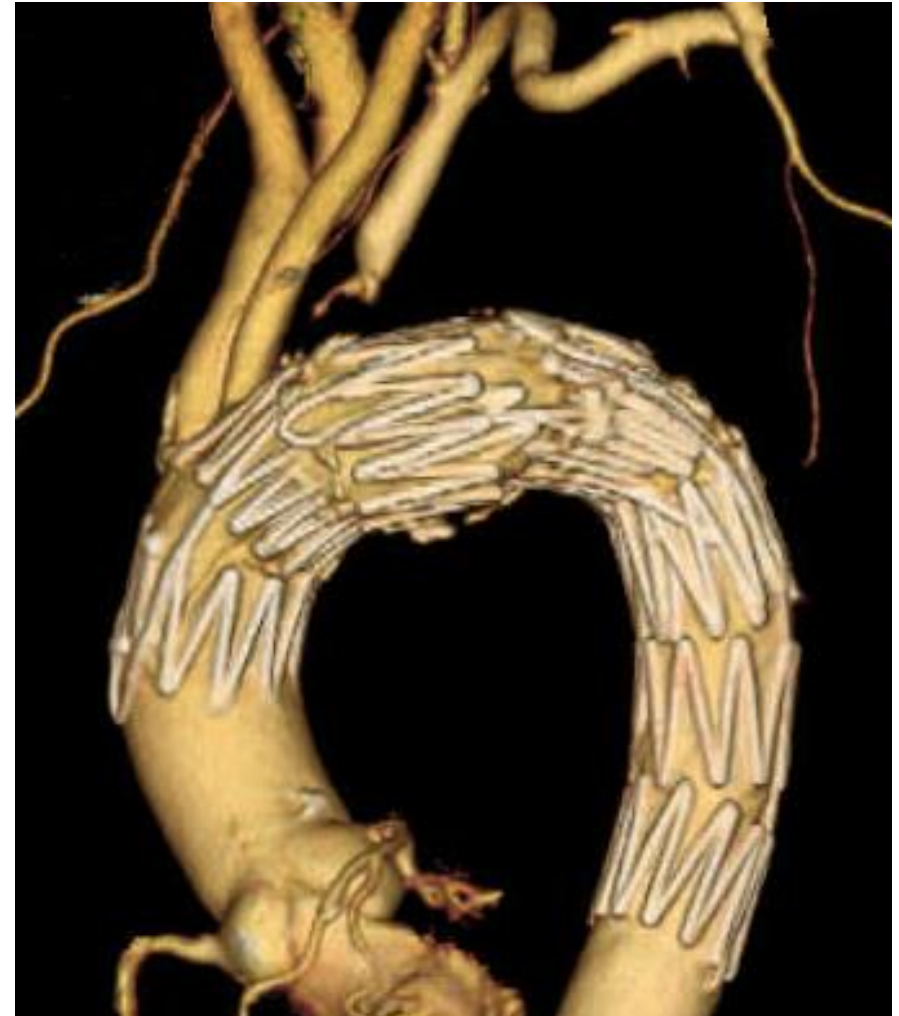
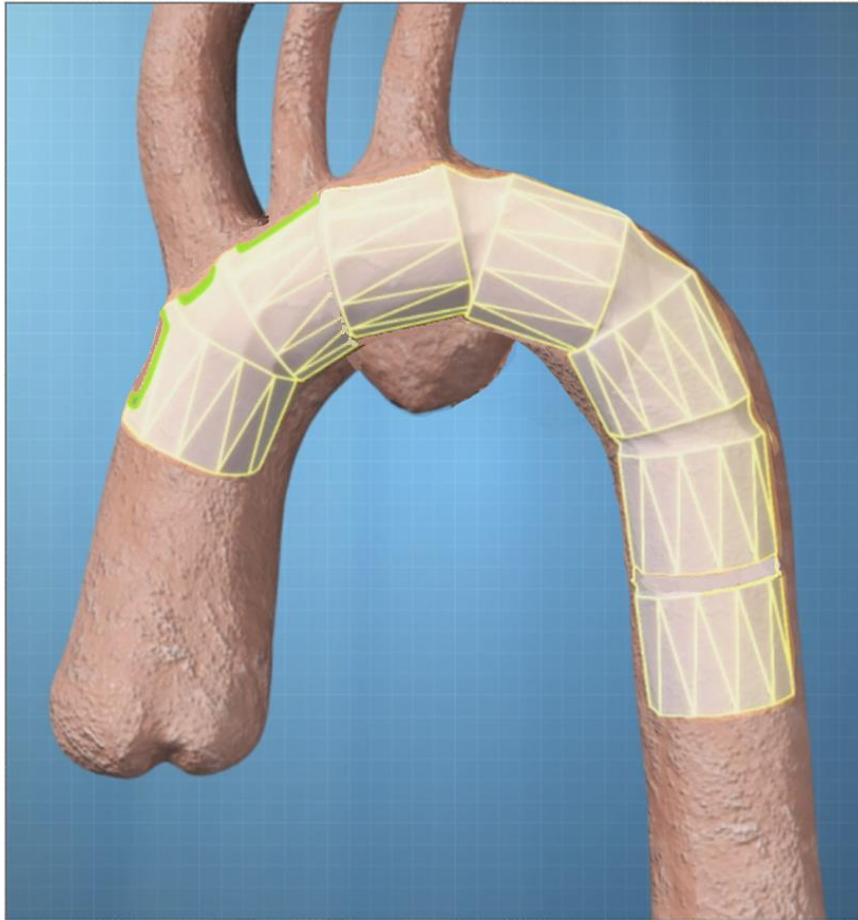
DSA



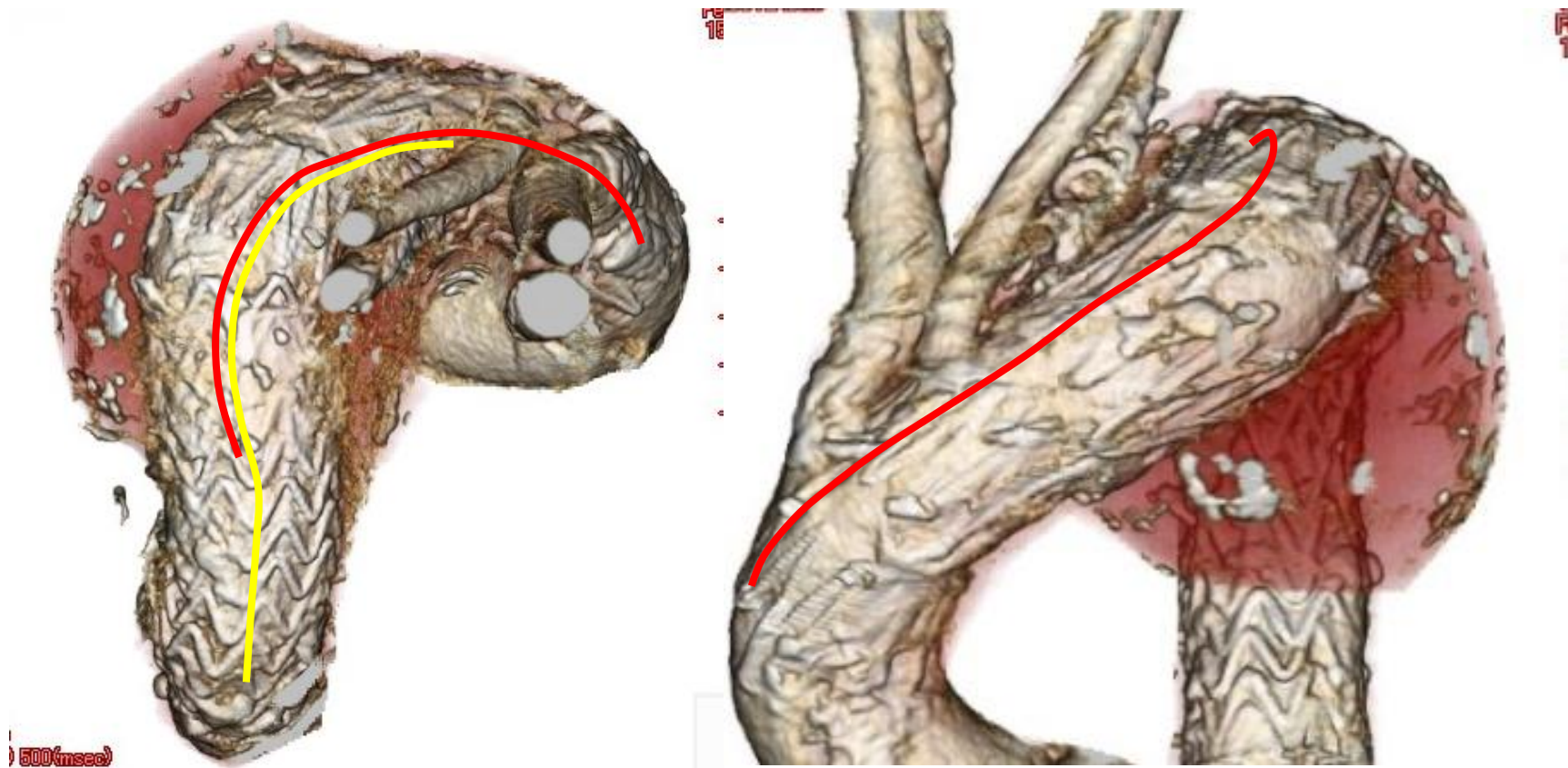
Key features

- Precurved endograft design
- Fenestrations
- To catch the blood flow for fixation
- Easy positioning
- Tapered Sheath technology
- Rotation control
- Targeting zone 0 landing
- **Stepwise stent-grafting**

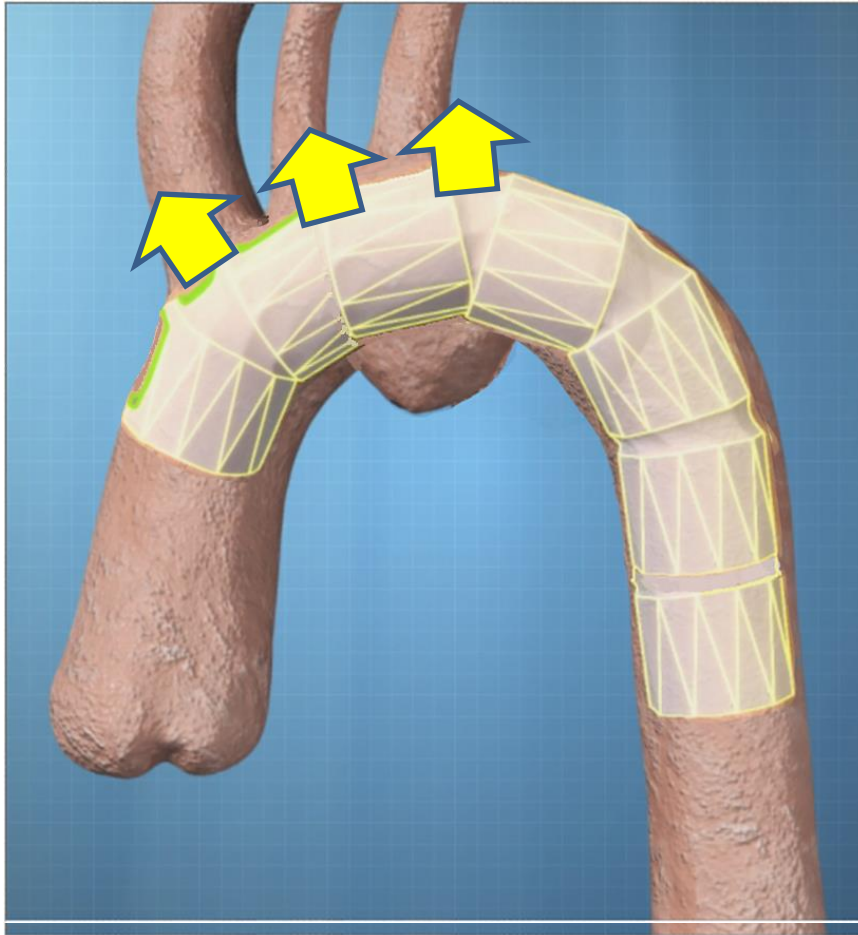
Stepwise stent-grafting



Separate arch into two curves



Stepwise stent-grafting



DSA



Patient profile

(2010~Dec.2011)

Patients

393/2yr

sealing length less than 20mm

371(94%)

sealing length less than 15mm

224(56%)

Male/Female

338/55

Age

76.1±79.2yrs.

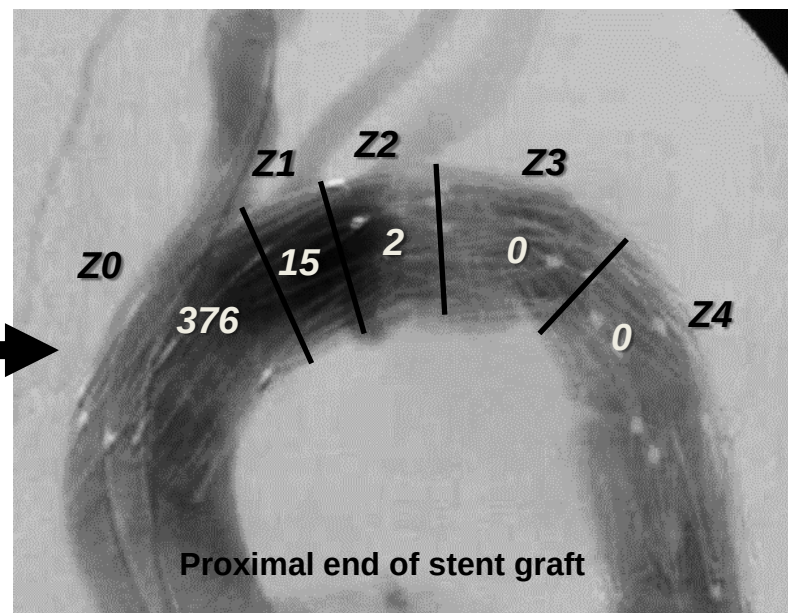
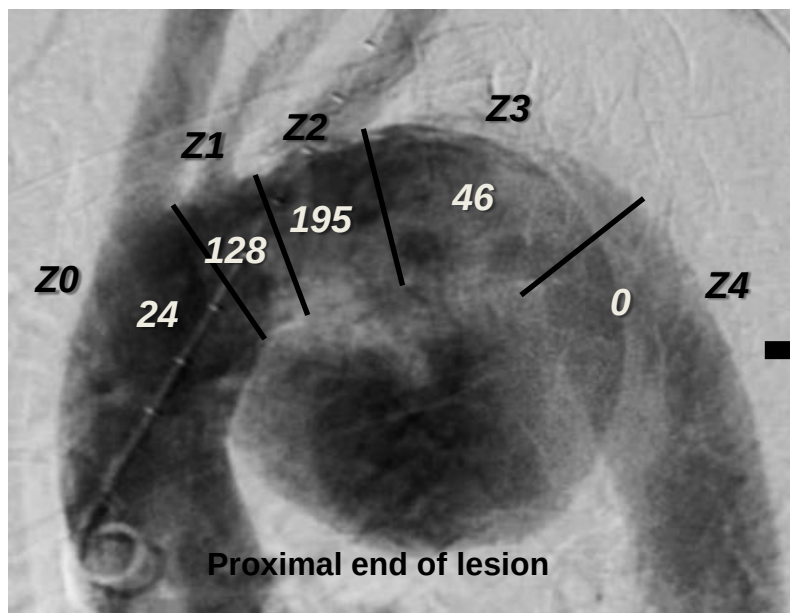
Proximal sealing length

14.2±5.1mm

Carotid artery Bypass

9

Results



Technical success

390 (99.2%)

Fluoroscopic time

26 ± 13 min

30-day mortality rate

5/390 (1.2%)

Cerebral infarction • TIA

7(1.8%)

Type Ia endoleak

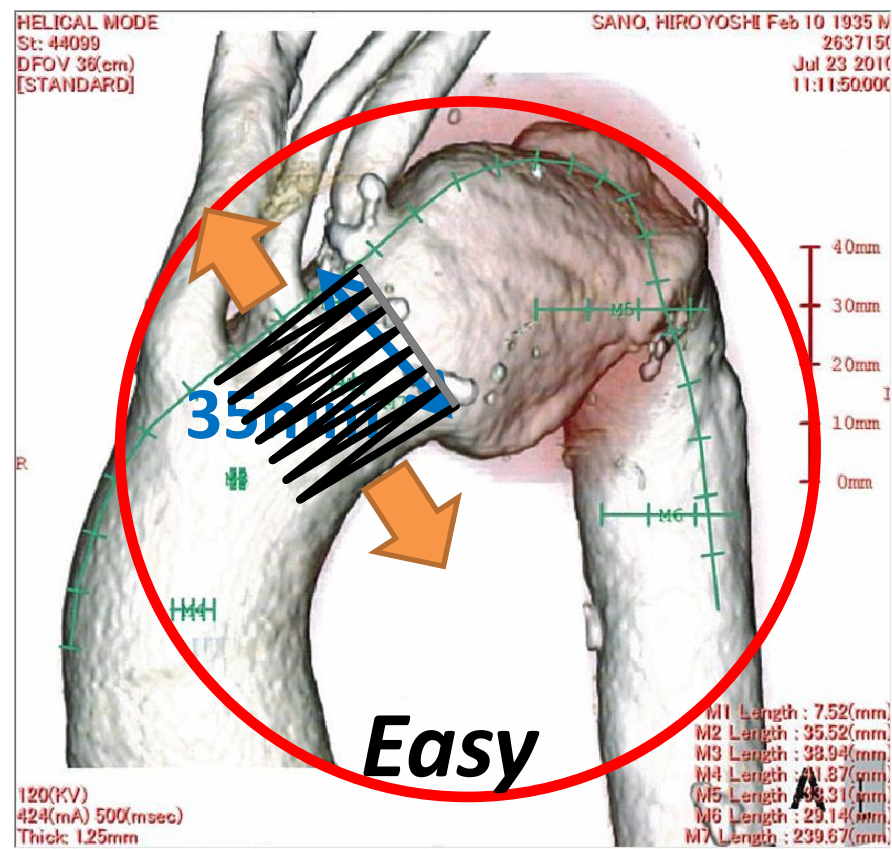
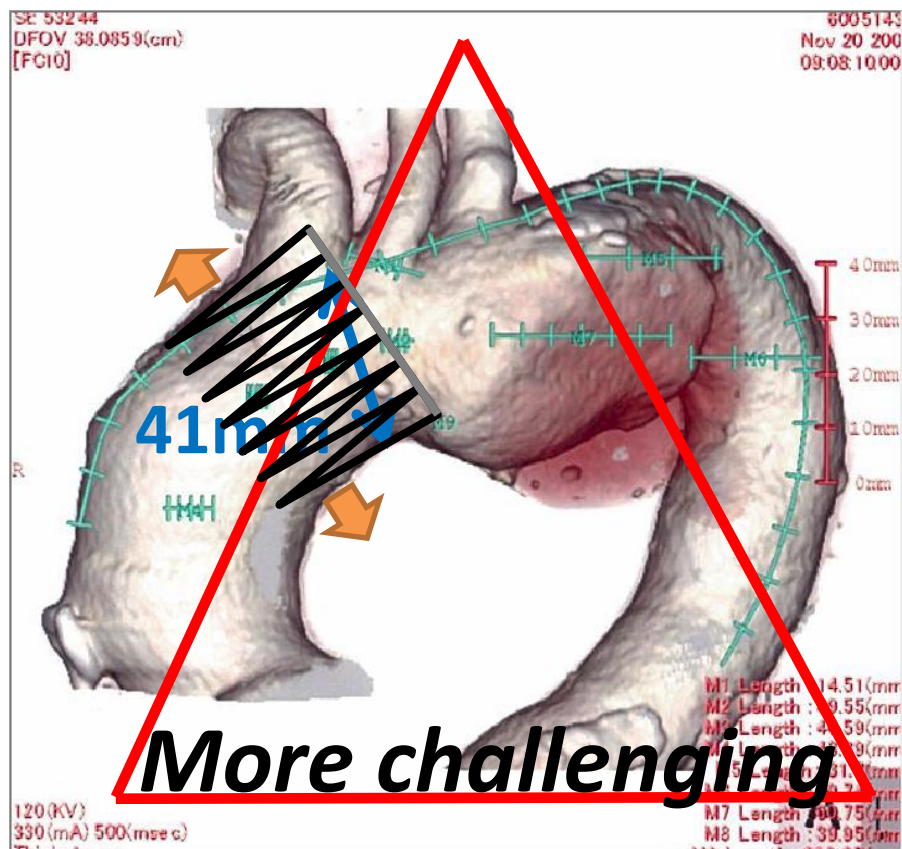
18(4.5%)

Results

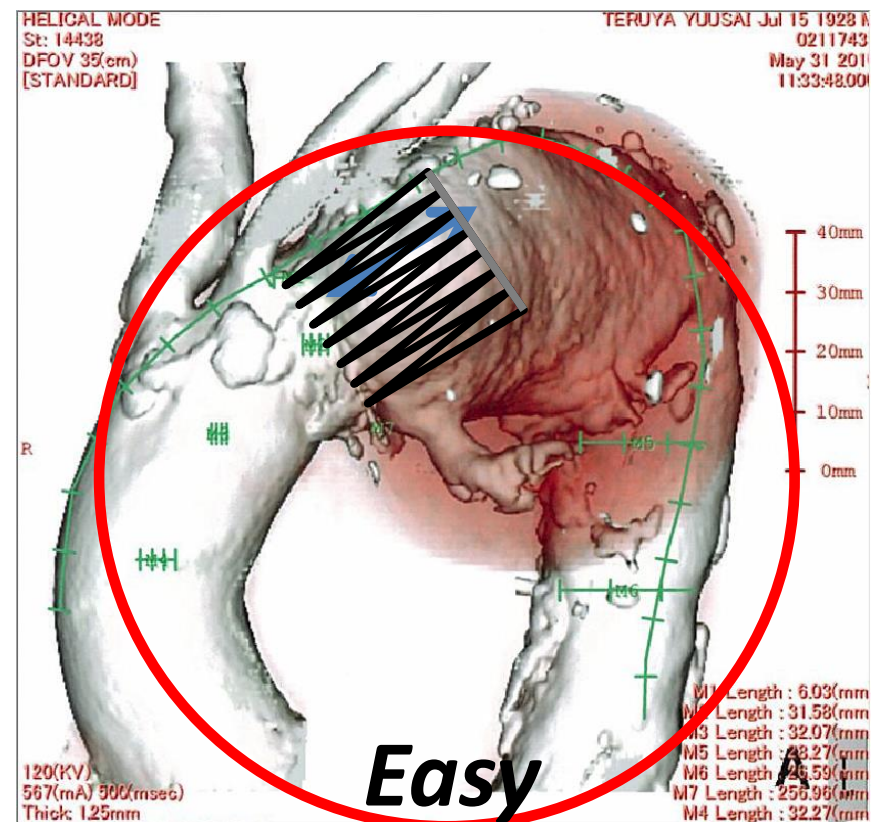
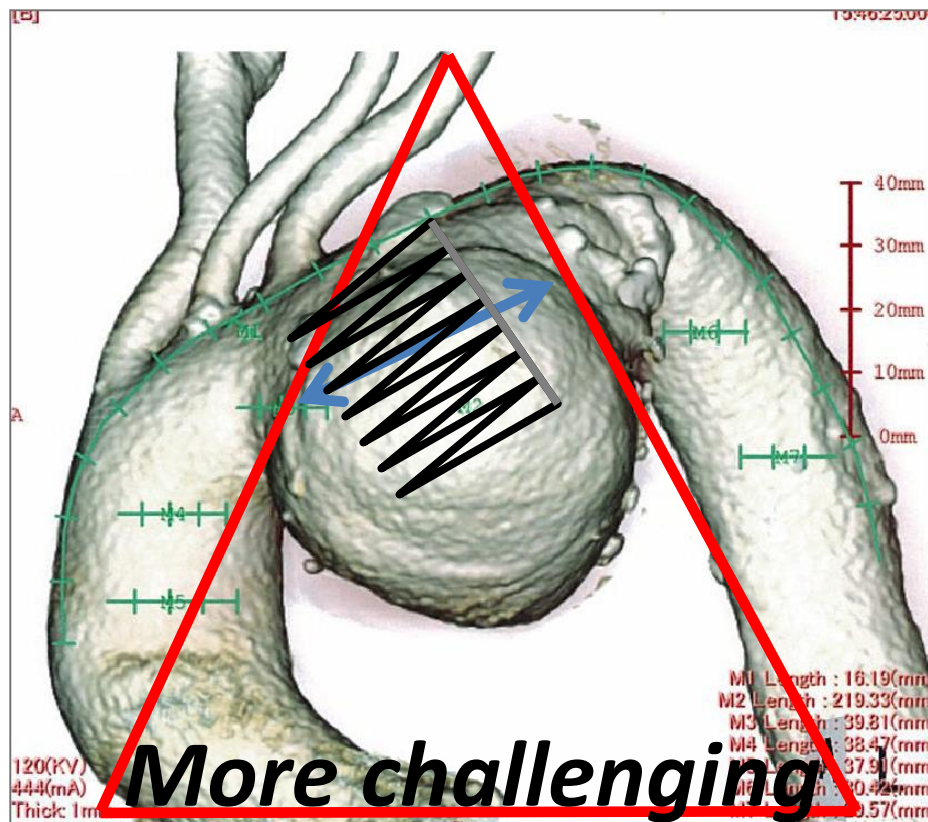
N=244(LZ<15mm)

	No Endoleak n=228	Endoleak n=16
Proximal sealing zone length	11 ± 12mm	9 ± 13mm n.p.
Proximal aortic diameter	34.0 ± 13.3mm	36.6 ± 6.3mm P<0.01
Maximum length of aneurysm	73 ± 55mm	97 ± 59mm P<0.01

Discussion



Discussion



Summary

- Short term result is excellent
- Reduced fluoroscopic time (26 ± 13 min)
- Promising for precise positioning and absence of migration
- Low incidence of stroke
- Feasible for short proximal neck

Thank you for your attention!

MASUDA^KOUICHIROU, O, 19360217
1, 20120118
Fr: 7, WL: 1909, WW: 683

S.C.R.C
UNKNOWN^UNKNOWN
SIEMENS

ARCADIS