When is surgery suitable for TAAA?

Michael Jacobs
Maastricht, Aachen,
BASIC QUESTION: OPEN REPAIR OR b-f/TEVAR AS PRIMARY PROCEDURE?

First level of determining factors

- Age
- Underlying cause of aneurysm: atherosclerosis, connective tissue, post dissection, post traumatic
18 year old girl with Loeys Dietz and aortic dissection

9-11-2006
OPEN REPAIR OR b-f/TEVAR AS PRIMARY PROCEDURE?

Second level of determining factors

- Proximal landing zone and extend of debranching
- Need for complex additional procedures like chimneys
- Assumed risk of paraplegia (LSA, previous surgery, length of coverage)
- Post type A dissection
Post Type A dissection Aneurysms
TOO short for debranching and endograft
TEVAR failure: what does that mean?

- Proximal or distal type I endoleak, not manageable with additional endo techniques
  (main cause is post dissection DTAA due to rigid septum)
- Growing TAA(A)
  (main cause is post dissection aneurysm with patent false lumen)
- Miscellaneous
  (migration, perforation, infection)
Surgical correction of failed thoracic endovascular aortic repair

Stephan Langer, MD, a Gottfried Mommertz, MD, a Thomas A. Koeppel, MD, a
Geert W. H. Schurink, MD, b Rüdiger Autschbach, MD, c and Michael J. Jacobs, MD, a,b
Aachen, Germany; and Maastricht, The Netherlands

Marfan patient, TEVAR: Aorto-bronchial fistula and infection
TEVAR as primary procedure for TAA(A)

- **TAA(A)** (with acceptable additional procedures, if necessary)
- Traumatic aortic rupture
- Penetrating aortic ulcer
- Post operative false aneurysm
- Aorto bronchial fistula
- **TAA(A)** in patients unfit for open repair
Open repair as primary procedure for TAA(A)

- Young(er) patients
- Connective tissue disease
- TAA(A) associated with chronic dissection
- Patients at high risk to develop paraplegia
- Post type A dissection TAA(A)
Basic question for the (near) future: who is going to do open repair?
How do I open a chest?
What about extracorporeal circulation?
How do I anastomose a thoracic graft?
How do I reimplant intercostals?
Maastricht University Medical Center, Netherlands

University Hospital Aachen, Germany
How do I open a chest?
What about extracorporeal circulation?
How do I anastomose a thoracic graft?
How do I reimplant intercostals?