

News from Imaging and 3D Printing for Aortic Disease

L. Maene

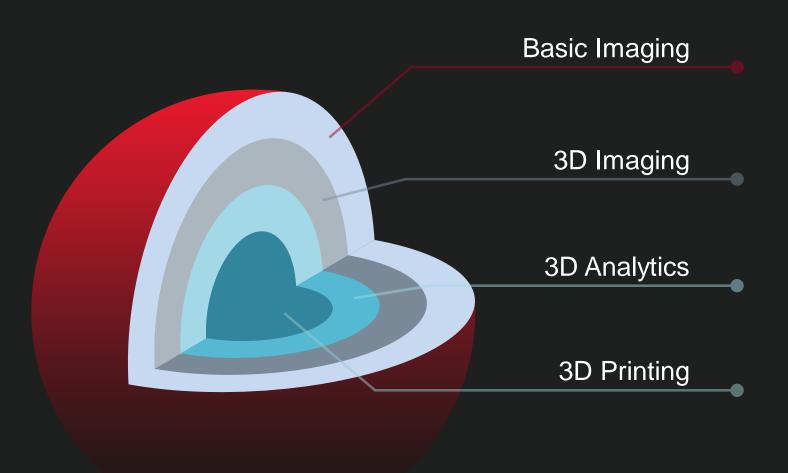


Disclosure of Interest

Speaker name: L. Maene	
	I have the following potential conflicts of interest to report:
✓	Consulting
	Employment in industry
	Shareholder in a healthcare company
	Owner of a healthcare company
	Other(s)
	I do not have any potential conflict of interest



Imaging & Aortic disease







That moment ... when you realize it's not a chair...

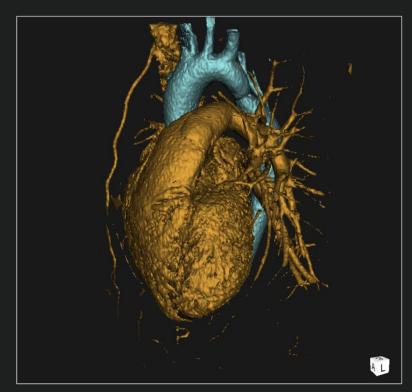




3D Imaging ...

Segmentation & Volume Rendering





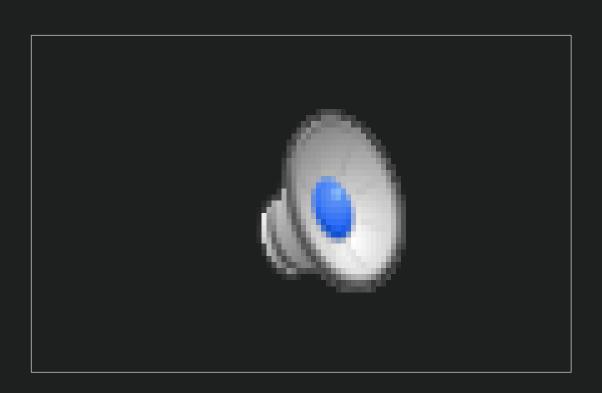




3D Imaging 2016

Segmentation & Volume rendering

- Easy
- Fast
- Reliable
- All sources

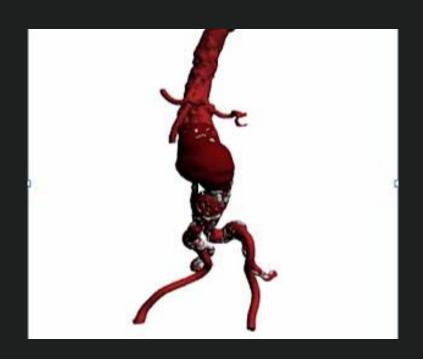






3D Imaging 2016

- Segmentation & Volume rendering
 - Aortic Isolation
 - Flow Lumen
 - Aneurysm sac
 - Ca++
 - Endoleaks

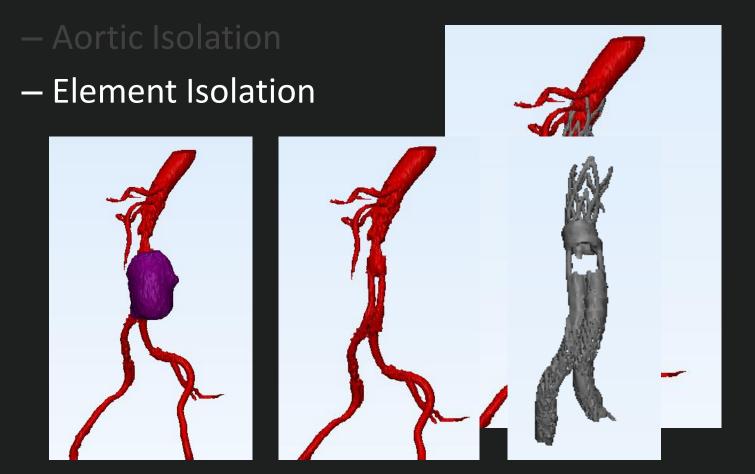






3D Imaging 2016

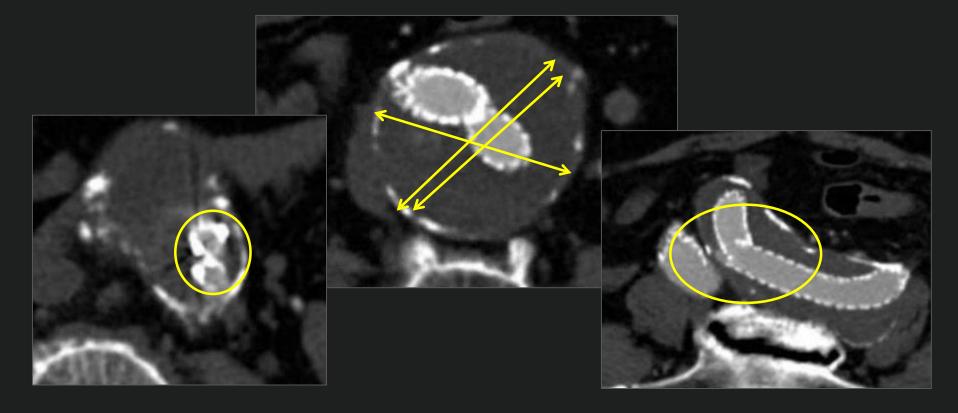
Segmentation & Volume rendering







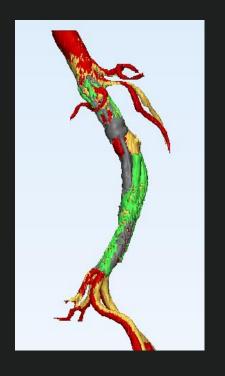
- Segmentation & Volume rendering
 - Changing Configuration / Morphology



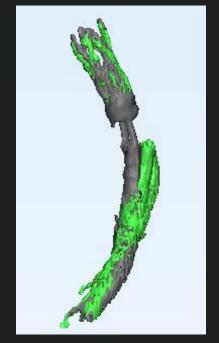


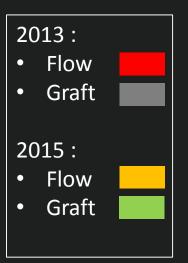


- Segmentation & Volume rendering
 - Changing Configuration / Morphology







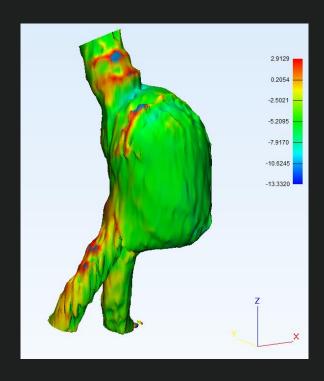


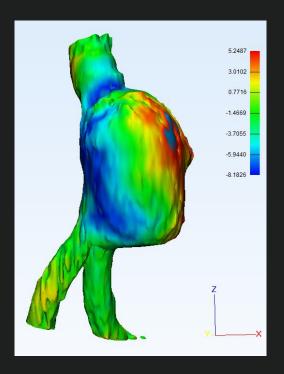




- Segmentation & Volume rendering
 - Aneurysm Volume Analysis

(post implant \rightarrow 2Y FU)

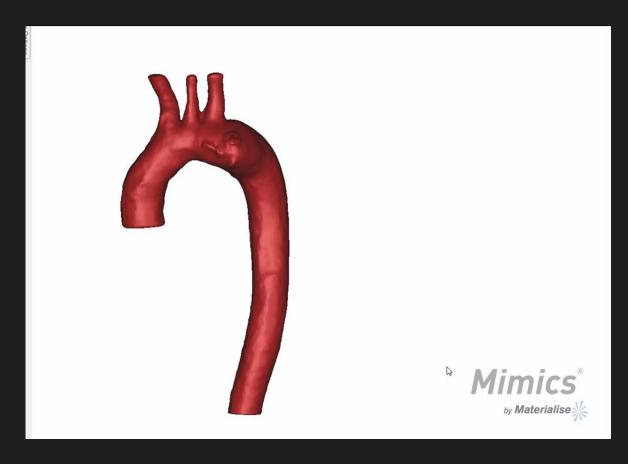








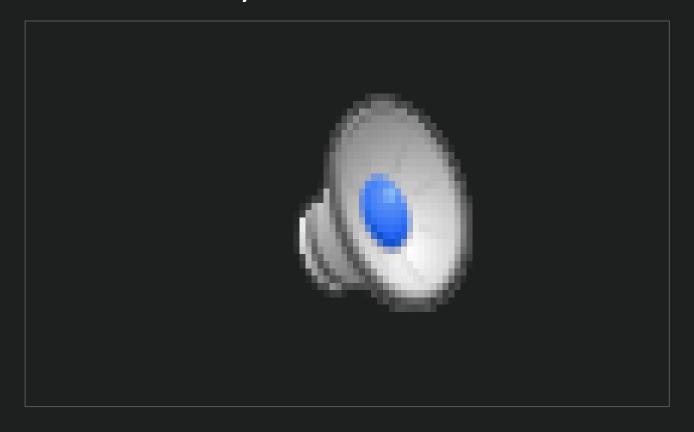
3D Pre-Operative Graft Planning: Prototype







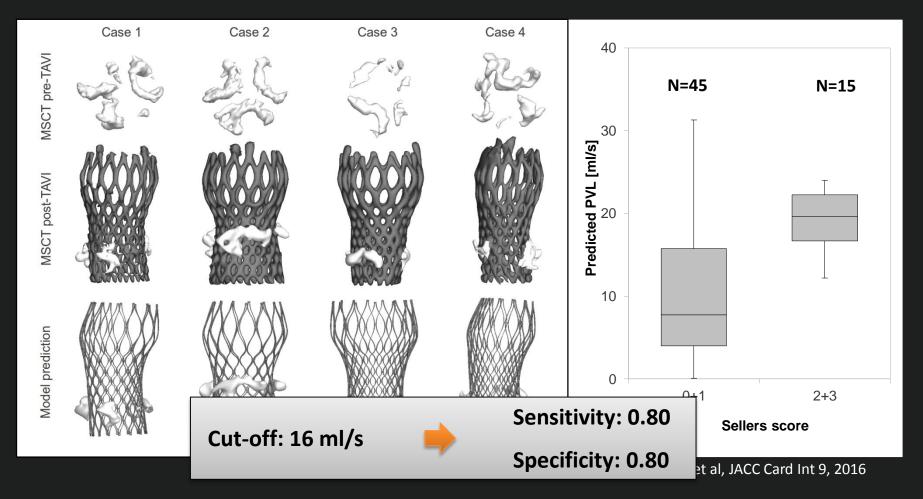
 3D Pre-Operative Planning TAVI : Validated Physics based simulation







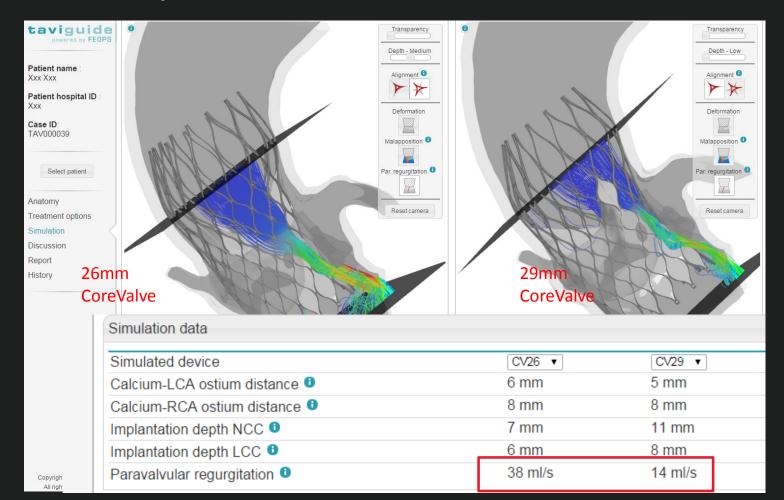
3D Pre-Operative Planning TAVI: Validation







• 3D Pre-Operative VIRTUAL TAVI:

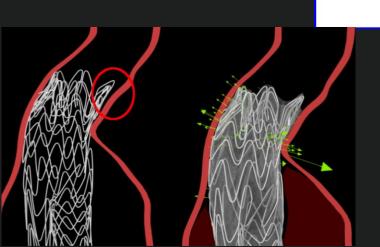






3D Analytics Soon ...

- Validated Physics based simulation ...
 - Mitral valve
 - LAA Closure
 - Devices
 - TEVAR / EVAR

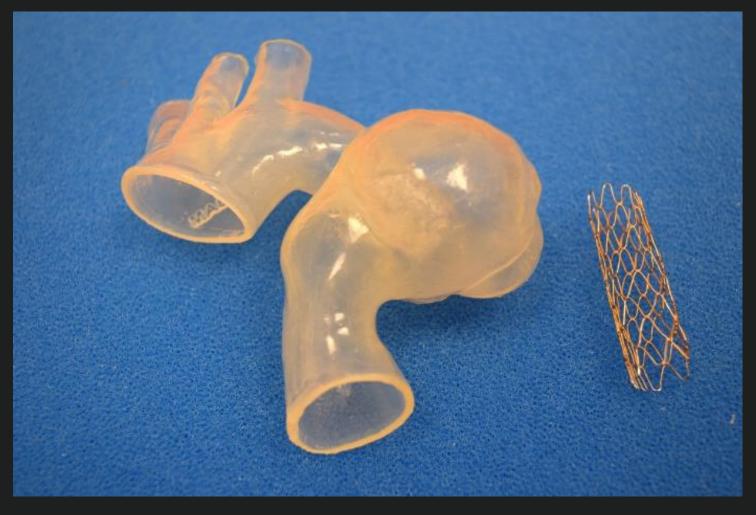








3D Printing 2016





News from Imaging and 3D Printing for Aortic Disease

L. Maene