Case name	**A joint casestudy: production and design of soft and flexible aorta models**	
Dimensions in mm (L x W x H)		
Application	Medical Technology - Design and functional Testing Studies	
RM process	Stereolithography	
Software	Standard RP/RM Software	
System	3D Systems Viper si^2	
Material	FlexSL® SE-25	
Lead time (hours/days)	n.a. – please request info	
Costs	n.a. – please request info	
Surface finish	Normal post-processing with FlexSL® SE-25	
Mechanical properties	FlexSL® SE-25 properties: Appearance - clear light amber Density [g/cm^3] - tba Tensile (Young's) Modulus [MPa] - 20 Tensile Strength at break [MPa] - 2,5 Elongation at break [%] - 14,3 Additional information, TDS on www.3mat.de	
Thermal properties	Additional information on www.3mat.de	
Any additional info	Biocompatible stereolithographic material as functional design prototypes for medical technology applications	
Contact info	name	Dr. A.T. Bens and Prof. Dr. C. Tille
	organisation	**3mat**
	website	www.3mat.de
	email	info@3mat.de
	Telephone (-Fax)	+49 228 9656 -400 (-9400)

Photo of the Model (Stereolithography – FlexSL® Material)

Case name	**Soft and Flexible Aorta Models**	
Dimensions in mm (L x W x H)		
Application	Medical Technology - Design and functional Testing Studies	
RM process	Stereolithography	
Software	Mimics 3Matic	
System		
Material	FlexSL® SE-25	
Lead time (hours/days)		
Costs		
Any additional info	Redesigns and usage of the exact geometries of the human anatomy, for research and testing studies	
Contact info	name	Ing. M.M.A Beerens Ing. P.F.J Laeven Ing. J.G.P Cox
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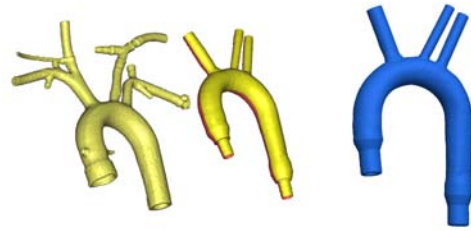
Redesign of an aorta model
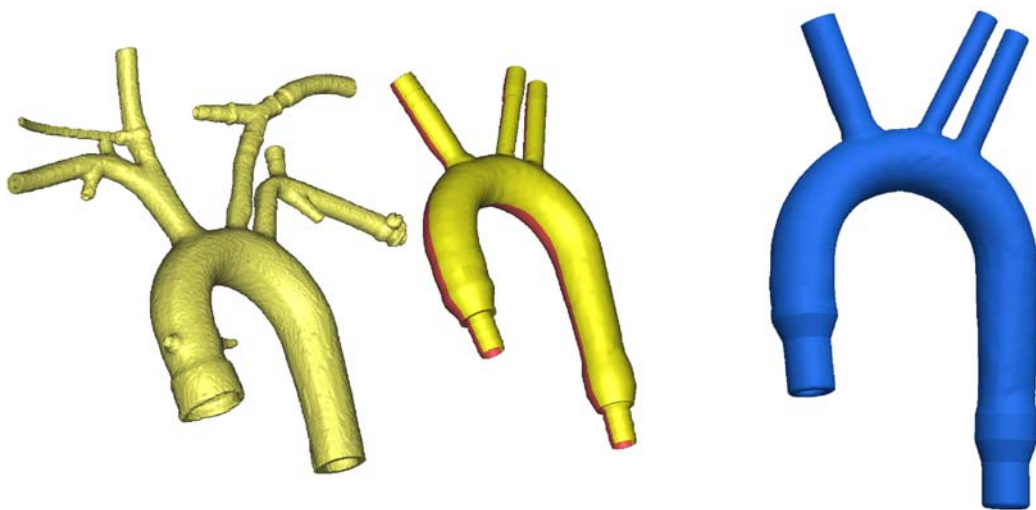
Image acquired with 3Matic software Materialise