

Investigating the biological and physical complexities of ascending thoracic aortic aneurysms

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Stellingen

Behorende bij het proefschrift

Investigating the Biological and Physical Complexities of Ascending Thoracic Aortic Aneurysms

Shaiv Amit Parikh

1. Outward hypotrophic remodeling is not a general characteristic of aortic aneurysms. - *Dit proefschrift*
2. Accurately estimating aortic wall thickness is a significant challenge in both *in vivo* and *ex vivo* settings. - *Dit proefschrift*
3. While obtaining geometric data of ascending aortic aneurysms for computational biomechanics is challenging, acquiring accurate boundary conditions is even more difficult. - *Dit proefschrift*
4. Ascending aortic axial deformations should be taken into account in the assessment of aortic function. - *Dit proefschrift*
5. Estimating the forces responsible for aortic root displacement presents a novel challenge that demands immediate focus. - *Dit proefschrift*
6. Our understanding of the mechanobiological implications of non-homogenous ascending aortic strain patterns will always remain incomplete. - *Dit proefschrift*
7. At times, better characterizing a biological process by striving for accuracy can lead to endless and fruitless efforts, whereas relevant information may also lie in evaluating with precision the differences between cases or of one case over time.
8. Our social networks are like the cellular extracellular matrix: they shape an *umwelt* and their disruptions lead to maladaptive conditions.
9. On a metaphysical plane, ideas are like living organisms as they transition from a disorganized state to an organized state, take shape and form, and eventually evolve.