Patient-specific computer modelling of coronary bifurc programme

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Citation Report

#	Article	IF	Citations
1	Biomechanical Modeling to Improve Coronary Artery Bifurcation Stenting. JACC: Cardiovascular Interventions, 2015, 8, 1281-1296.	2.9	84
3	CFD analysis of multiphase blood flow within aorta and its thoracic branches of patient with coarctation of aorta using multiphase Euler - Euler approach. Journal of Physics: Conference Series, 2016, 745, 032112.	0.4	10
4	Coronary fractional flow reserve measurements of a stenosed side branch: a computational study investigating the influence of the bifurcation angle. BioMedical Engineering OnLine, 2016, 15, 91.	2.7	22
5	Computational replication of the patient-specific stenting procedure for coronary artery bifurcations: From OCT and CT imaging to structural and hemodynamics analyses. Journal of Biomechanics, 2016, 49, 2102-2111.	2.1	60
6	Hybrid intravascular imaging: recent advances, technical considerations, and current applications in the study of plaque pathophysiology. European Heart Journal, 2017, 38, 400-412.	2.2	152
7	Behaviour of two typical stents towards a new stent evolution. Medical and Biological Engineering and Computing, 2017, 55, 1019-1037.	2.8	6
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12	Current Advances in the Diagnostic Imaging of Atherosclerosis: Insights into the Pathophysiology of Vulnerable Plaque. International Journal of Molecular Sciences, 2020, 21, 2992.	4.1	45
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14	Patient-specific computational simulation of coronary artery bifurcation stenting. Scientific Reports, 2021, 11, 16486.	3.3	13
15	Optical Coherence Tomography-Based Modeling of Stent Deployment in Heavily Calcified Coronary Lesion. Journal of Biomechanical Engineering, 2020, 142, .	1.3	11
16	Impact of plaque type and side branch geometry on side branch compromise after provisional stent implantation: a simulation study. EuroIntervention, 2017, 13, e236-e245.	3.2	13
17	Virtual bench testing to study coronary bifurcation stenting. EuroIntervention, 2015, 11, V31-V34.	3.2	25
18	Co-registration of pre- and post-stent intravascular OCT images for validation of finite element model simulation of stent expansion. , 2020, 11317, .		3
19	Superficial femoral artery stenting: Impact of stent design and overlapping on the local hemodynamics. Computers in Biology and Medicine, 2022, 143, 105248.	7.0	10

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21	Advances in Intravascular Ultrasound. Indian Journal of Cardiovascular Disease in Women WINCARS, 0, 8, 131-141.	0.1	1
22	A systematic review of cardiac in-silico clinical trials. Progress in Biomedical Engineering, 2023, 5, 032004.	4.9	2
23	A review on the use of finite element simulations for structural analyses of coronary stenting: What can we do nowadays and what do we need to move forward?. European Journal of Mechanics, A/Solids, 2023, 101, 105071.	3.7	1
24	Computational fluid dynamics as supporting technology for coronary artery disease diagnosis and treatment: an international survey. Frontiers in Cardiovascular Medicine, 0, 10, .	2.4	1
25	Computational fluid dynamics of coronary arteries with implanted stents: Effects of Newtonian and nonâ€Newtonian blood flows. Engineering Reports, 0, , .	1.7	1
26	In vivo chronic scaffolding force of a resorbable magnesium scaffold. Journal of Biomechanics, 2024, 164, 111988.	2.1	0