Editor's Choice Articles

This index lists new and innovative original research articles specially chosen to be highlighted by the Medical & Biological Engineering & Computing Editor-in-Chief in cooperation with their Editorial Board. Each chosen article will be freely-accessible for 2 months after being chosen.

We thank the submitting authors of these articles for their contributions to the journal and to the advancement of the field at large.

Latest Research Highlights - October 2022

https://www.springer.com/journal/11517/updates/23603788
Feasibility analyses of virtual models and 3D printing for surgical simulation of the double-outlet right ventricle

Jixiang Liang, Bingheng Lu, Xin Zhao, Jiong Wang, Dianjiang Zhao, Gen Zhang, Bin Zhu, Qiang Ma, Guangyu Pan, Dianyuan Li

Original Article | Published: 02 September 2022 | Pages: 3029 - 3040
Fluid dynamic assessment of positive end-expiratory pressure in a tracheostomy tube connector during respiration

Shiori Kageyama, Naoki Takeishi, Hiroki Taenaka, Takeshi Yoshida & Shigeo Wada

Original Article | Published: 25 August 2022 | Pages: 2981 - 2993

Graphical Abstract
(a) Computational domain for 3D CFD involving a modeled connector and schematics of a lumped lung model. (b and c) Snapshots of velocity fields in a normal connector in the end of expiration in (b) a normal connector and (c) connector with 50% stenosis. Snapshots of streamlines in each phase are also displayed in (b) and (c).
Estimating high-order brain functional networks by correlation-preserving embedding

Hui Su, Limei Zhang, Lishan Qiao & Mingxia Liu

Original Article | Published: 22 July 2022 | Pages: 2813 - 2823

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