IOP Conference Series: Materials Science and Engineering *Open Access* Volume 932, Issue 118 December 2020 Article number 012107 1st International Conference on Science, Engineering and Technology, ICSET 2020 Penang 27 February 2020 Code 165916

Grid sensitivity studies for validation of human upper airways

Absract

The studies of simulation in biomechanical engineering using computational fluid dynamics is the crucial approach nowadays for advance human surgery. The accuracy of result of simulation will help the surgery more efficient and less damage to the patient. The propose this research to investigate the most efficient number of elements could be used in validation the result of simulation of human upper airway. This research finds the 129k number of elements would give the accurate result in analysing human upper airway.