

Workshop: Modelling and simulation in the respiratory care

Thursday, 19th November, 15:00-17:30

White Hall (Room C), Traian Hotel

Chairpersons: ***Karel Roubik, Martin Rozanek, Călin Corciovă***

1.	A keynote presentation of prof. Karel Roubik, with a title to be announced.
2.	Metabolic Model of the Human Respiratory System <i>Petr Kudrna, Jakub Johánek, Martin Rožánek, Karel Roubík , Paper ID: 72</i>
3.	Identification of the Model of the Respiratory System in High-frequency Oscillatory Ventilation <i>Martin Rožánek, Petr Kudrna, Zuzana Rožánková, Karel Roubík, Paper ID: 182</i>
4.	The Effect of Electrode Belt Size Selection upon Evaluation of the Distribution of Ventilation Using Electrical Impedance Tomography <i>Kristyna Buzkova, Karel Roubik, Paper ID: 206</i>
5.	The Effect of Dynamic Hypoinflation during High Frequency Oscillatory Ventilation in an in Vitro Model of the Respiratory System <i>Vaclav Ort, Karel Roubik, Paper ID: 235</i>

Poster Session – Friday, 20th November, 8:00-9:30

Room Eminescu (Room A), Astoria Hotel

6.	Demonstration of Assisted Mechanical Ventilation Using Human Patient Simulator <i>Gabriela Duhárová, Martin Rožánek, Paper ID: 208</i>
7.	Effect of Mechanical Properties of the Respiratory System upon the Ventilatory Parameters Demonstrated on the Human Patient Simulator <i>Lucie Roškotová, Martin Rožánek, Paper ID: 221</i>