



Aerospace Medicine Rounds

How the Space Shuttle Columbia Disaster Helped the Children in the Thailand Cave Rescue

Tuesday, December 6th, 2022
12:00 – 1:00 p.m. (EST)



Dr. Douglas R. Hamilton

MD PhD MSc Elec Eng
FRCPC ABIM LMCC USMLE PE Peng

Clinical Associate Professor Medicine
Adjunct Professor Electrical Engineering
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Learning Objectives:

1. The audience will understand how to estimate the O₂ and the CO₂ produced by astronauts using the Revised Harris-Benedict Equation.
2. The audience will understand how to model the atmosphere of the Space Shuttle using a supercomputer to perform computational fluid dynamics.
3. The audience will understand how to estimate the O₂ and the CO₂ produced by the children and the volume of the Tham Luang Nang Non cave in northern Thailand accident.

Zoom Details:

<https://us06web.zoom.us/j/82036987410?pwd=YXJuaTZ3MGRhOU9BZVNFOWVMWFU0Zz09>

Meeting ID: 820 3698 7410

Passcode: 647795



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The 'Aerospace Medicine Rounds' is a self-approved group learning activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

To be eligible for Section 1 MOC credits, participation in the event must be formally recorded. For tracking purposes, participants attending must ensure their Zoom display/login name includes first and last name.

Please email occmmed.div@utoronto.ca to be added to the Aerospace Medicine Rounds mailing list and/or the Occupational Medicine Rounds Mailing List.

Evaluation survey: LINK WILL FOLLOW