

CATEGORY A SCHEDULE

- NBDHMT:** This live activity is approved for **20*** Category A credit hours by the National Board of Diving and Hyperbaric Medical Technology, P.O. Box 758, Pelion, South Carolina 29123. ***Up to 10 Cat A credits** for the in-person/live stream meeting and up to **10 Cat A credits** for reviewing posters/quizzes online at your leisure. Not to exceed TBD total maximum Cat A credit hours. (Note: you will need to log in to the main UHMS website: www.uhms.org, and on the 'My Account' tab, you will find the Poster review / quiz.)
 - NBDHMT Accreditation Statement:** For CHT recertification purposes, the NBDHMT requires a minimum of nine of the minimum 12 required Category A credits relate directly to any combination of hyperbaric operations, related technical aspects, and chamber safety.

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| IN-PERSON/LIVE STREAM MEETING | POSTER REVIEW / QUIZ |
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| THURSDAY, JUNE 13 | | | Room |
|---|--------------|---|--------------------|
| 8:00 | 8:30 | Opening Ceremony / Welcome: UHMS President: Pete Witucki, MD | Grand Ballroom ABC |
| 10:00 | 11:30 | Plenary: International Panel: Diving Decompression an actual view: Costantino Balestra, Jack Kot, Jean-Pierre Imbert | Grand Ballroom ABC |
| 11:30 | 12:00 | Posters: Session A1; A4-A6; B7-B8; E66-E67 | Grand Ballroom D |
| <p>A4: Effective Decompression Sickness Diagnosis: Proof-of-concept Machine Learning Biomarker Selection and Predictive Modelling with Blood Transcriptome Presenting Author: Daniel Landry, MD on behalf of Jing Zhang PhD</p> <p>B8: Comparison of Hyperbaric Oxygen Treatment Pressures for Radiation-Induced Hemorrhagic Cystitis Presenting Author: Riggs Sanchez BA</p> | | | |
| <p>C35: Genomic Expression Patterns in Recreational Divers with Type 1 Decompression Sickness Prior to Hyperbaric Oxygen Therapy Presenting Author: Daniel Landry, MD, CCFP, DRCPSC</p> <p>E66: Pseudoephedrine prophylaxis does not prevent middle ear barotrauma in hyperbaric oxygen therapy Presenting Author: Kinjal Sethuraman MD MPH</p> | | | |
| 14:10 | 14:20 | A2: Reduction of inflammatory mediators and neutrophil activation by hyperbaric oxygen in patients with decompression sickness or carbon monoxide poisoning: Stephen Thom, MD, PhD | Grand ballroom ABC |
| 14:20 | 14:30 | A3: Pressure-related inflammatory responses of SCUBA divers and tunnel workers: Phi-Nga Jeannie Le, MD | Grand ballroom ABC |
| 14:30 | 15:00 | Plenary: UHM Fellows: Top Articles in Hyperbaric Medicine: Emma Rogers, MD: UPenn Fellow | Grand ballroom ABC |
| 16:40 | 16:50 | B8: Comparison of Hyperbaric Oxygen Treatment Pressures for Radiation-Induced Hemorrhagic Cystitis: Riggs Sanchez, BA | Grand ballroom ABC |
| 17:00 | 17:30 | Posters: Session B10 - B25; B27 - B33 | Grand Ballroom D |
| <p>B15: Frequency of Urgent Consults for Hyperbaric Oxygen Therapy Presenting Author: Kinjal N Sethuraman, MD, MPH</p> <p>B25: A Systematic Review of Iatrogenic Air Gas Embolisms Presenting Author: Benito Pascua, MD</p> <p>B29: Reducing incidence of PE tube placement</p> | | | |

Presenting Author: Jennifer Wright, CHRN, BSN

B30: Assessment of Prevention of Middle Ear Barotrauma in Clinical Hyperbaric Facilities

Presenting Author: Jayesh B. Shah, MD

B31: A Physiological Model for DCS Presentations

Presenting Author: Michael B. Strauss MD

B33: Text Alert Notifications and Care Process Model Used to Increase Hyperbaric Consultation Rate for Carbon Monoxide Poisoning

Presenting Author: Marc Robins, DO, MPH

FRIDAY, JUNE 14

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| 9:00 | 10:00 | Plenary: Principles of isobaric counter diffusion to prevent DCS: Richard Moon, MD | Grand Ballroom ABC |
| 10:30 | 10:40 | C34: First-in-human imaging of venous gas emboli using a capacitive micromachined transducer toward an underwater wearable ultrasound for personalized decompression: Virginie Papadopoulou, PhD | Grand Ballroom ABC |
| 10:40 | 10:50 | C108: Innate immune cell responses from elevated pressures and dissolved gases using human lung-on-a-chip devices: Abigail Harrell | Grand Ballroom ABC |
| 10:50 | 11:00 | C36: Decompression stops at three instead of six meters of sea water could reduce the risk of decompression sickness: Oscar Plogmark, MD | Grand Ballroom ABC |
| 11:30 | 12:00 | Posters: Session C34 - C39 | Grand Ballroom D |
| <p>C34: First-in-human imaging of venous gas emboli using a capacitive micromachined transducer toward an underwater wearable ultrasound for personalized decompression Presenting Author: Virginie Papadopoulou, PhD</p> <p>C36: Decompression stops at three instead of six meters of sea water could reduce the risk of decompression sickness Presenting Author: Oscar Plogmark, MD</p> <p>C38: Decompression Gas Bubble Dynamics in the Spinal Cord of Live Rats Presenting Author: Jens-Christian Meiners</p> <p>C39: Midpoint assessment: A prospective trial on intra- and inter-subject variability in venous gas emboli and other biomarkers after repeated dives. Presenting Author: Joshua Currens, BS</p> <p>C108: Innate Immune Cell Responses from Elevated Pressures and Dissolved Gases using Human Lung-on-a-chip Devices Presenting Author: Abigail Harrell</p> | | | |
| 15:00 | 15:10 | D40: Effect of BHB level and Gender on Latency to CNSOT: Bruce J. Derrick, MD | Grand Ballroom ABC |
| 15:20 | 15:30 | D42: Dive profiles and DCS rate among seafood harvesters in British Columbia Canada: Sherri Ferguson, MSc | Grand Ballroom ABC |
| 16:00 | 16:30 | Plenary: UHM Fellows: Top articles in Undersea Medicine: | Grand Ballroom ABC |
| 17:00 | 17:30 | Posters: Session D40 - D57 & D59 | Grand Ballroom D |

D40: Effect of BHB level and Gender on Latency to CNSOT

Presenting Author: Bruce J. Derrick, MD

D42: Dive profiles and DCS rate among seafood harvesters in British Columbia Canada

Presenting Author: Sherri Ferguson MSc.

D45: Cutaneous Decompression Sickness in Cozumel

Presenting Author: Montserrat May Araujo MD

D48: Selection of Pre-Dive Ketone Regimen to Evaluate Impact of Short-Term Ketosis on Latency to CNS O2 Toxicity in Working Divers (KETOX 2)

Presenting Author: Kreager Taber, BA

D49: New methods for head out water immersion in freely behaving rats to study CNS oxygen toxicity

Presenting Author: Courtney Wheelock, PHD

D53: Recovery from pulmonary oxygen toxicity: a new (ESOT) model

Presenting Author: Jan Risberg, MD, PhD

D54: Efficacy of Hyperbaric Oxygen Therapy in Cases of Decompression Sickness with Delay to Evaluation

Presenting Author: Thomas J. Gregory, MD

SATURDAY, JUNE 15

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| 8:00 | 9:00 | Davis Keynote: Non-compliant chambers: Individual liability, and a threat to our industry: Francois Burman, Pr Eng, BSc (Eng), MSc | Grand Ballroom ABC |
| 10:30 | 11:00 | Plenary: Shortage of 24/7 Facilities: Jim Chimiak, MD | Grand Ballroom ABC |
| 11:00 | 11:15 | Plenary: Mass CO poisoning: Geness Koumandakis, CHT | Grand Ballroom ABC |
| 11:15 | 12:15 | Plenary: DCI treatment debate: Shorter oxygen exposures vs US Navy treatment tables: TBD (Pros) & Richard Moon, MD (Cons) | Grand Ballroom ABC |
| 12:15 | 13:00 | Plenary: Tech's going off the reservation: Upholding the CHT Code of Conduct: | Grand Ballroom ABC |
| 14:00 | 14:30 | Plenary: Session E: Monoplace hyperbaric chamber, equipment for treating critically ill patients: Lin Weaver, MD | Grand Ballroom ABC |
| 14:40 | 14:50 | E61-62: Continuous blood glucose monitor performance in a 100% hyperbaric oxygen environment & Continuous blood glucose monitors and safety in the hyperbaric environment: Enoch Huang, MD & Jacqueline Hocking, CHT | Grand Ballroom ABC |
| 14:50 | 15:00 | E63: 3D Printed IV Pass Through for Monoplace Hyperbaric Chambers: Jeffrey Cooper, MD | Grand Ballroom ABC |
| 15:00 | 15:30 | Posters: Session E60-E65, E68, E70-E72; F73-F74; F76-F83 | Grand Ballroom ABC |

E61: Continuous blood glucose monitor performance in a 100% hyperbaric oxygen environment

Presenting Author: Enoch Huang, MD

E62: Continuous blood glucose monitors and safety in the hyperbaric environment

Presenting Author: Jacqueline Hocking, CHT

E63: 3D Printed IV Pass Through for Monoplace Hyperbaric Chambers

Presenting Author: Erin Etoll-Jones, MD; Jeffrey Cooper, MD

E64: Delivering Hyperbaric Oxygen in the COVID-19 Era: The effect of eliminating air breaks on incidence of oxygen toxicity seizure

Presenting Author: Abigail Winn MD

E70: POCUS in the Multiplace Chamber

Presenting Author: Christian Repollet Otero

E72: Operational and patient characteristics of a new, hospital-based hyperbaric facility

Presenting Author: Troy Madsen, MD

F78: A Case Series of 5 Patients with pneumothorax successfully treated with HBO without tube thoracostomy

Presenting Author: Abigail Winn MD

F79: Cold Urticaria Preventing Clearance For Scientific Diving

Presenting Author: Dan Popa, MD PhD

F80: A mysterious CAGE and the man inside

Presenting Author: Natalie Ouellette BSc MD

F81: Respiratory Decompensation during Hyperbaric Oxygen Therapy in a patient with Severe Aortic Stenosis

Presenting Author: Christopher Allen, MD

F83: Position change during hyperbaric oxygen therapy for arterial gas embolism

Presenting Author: Naoto Jingami, MD, PhD

16:30

17:00

Posters: Session F: 84 - F107

Grand Ballroom D

F85: Fulminant decompression illness in a recreational diver without significant omitted decompression.

Presenting Author: Laura M. Lauer, DO

F101: Safety of delivering Hyperbaric Oxygen therapy in a patient with Lung transplant: a case report

Presenting Author: Jayanth Adusumalli MBBS, MPH

F104: Alcohol intoxication vs decompression sickness

Presenting Author: Christopher Leiker, M.D.

F105: Patient Suffering Guillain Barré Syndrome Mimicking Neurological Decompression Syndrome

Presenting Author: Richard Fontanez, Pedro Arroyo