

2021 UHMS ANNUAL SCIENTIFIC MEETING

SCHEDULE OF EVENTS: June 9-12

As of 3/23/2021: Subject to change

WEDNESDAY, JUNE 9			
7:00 AM	5:00 PM	Registration	Grand Ballroom Foyer
7:00 AM	8:00 AM	Continental breakfast / Vendors	Astor Ballroom
7:00 AM	8:00 PM	Committee Meetings (please see Committee Schedule for times and locations)	
8:00 AM	5:00 PM	PRE-COURSE: Cardiopulmonary Considerations for Divers Recovered from COVID-19 Infection	St. Charles Room (Lobby level)
8:00 AM	5:00 PM	PRE-COURSE: Hyperbaric Safety Considerations: Disinfection of Hyperbaric Facilities and COVID-19 Risk Mitigation Strategies	Toulouse
12:00 PM	1:00 PM	Lunch (on own)	

THURSDAY, JUNE 10			
General Session: Grand Ballroom			
7:00 AM	5:00 PM	Registration	Grand Ballroom Foyer
7:00 AM	8:00 AM	Continental breakfast / Vendors	Astor Ballroom
8:00 AM	8:30 AM	President's address	Marc Robins, DO
Session A - HBO ₂ Theory and Mechanisms			
8:30 AM	9:15 AM	Plenary: COVID: Mechanisms	John Feldmeier, DO
9:15 AM	10:00 AM	Plenary: HBO ₂ in treating Covid 19 respiratory distress	Scott Gorenstein, MD
10:00 AM	10:30 AM	Break/Vendors	
10:30 AM	11:00 AM	Session A: Posters (3) & Session B-2: Posters (5)	Astor Ballroom Gallery
11:00 AM	11:10 AM	A1: Glymphatic dysfunction and neuroinflammation as manifestations of CNS decompression sickness.	Stephen R. Thom, MD
11:10 AM	11:20 AM	A2: Neural proteins and auto-antibodies after carbon monoxide poisoning	Lindell Weaver, MD
11:20 AM	11:30 PM	A3: The Effect of Total Compression Time and Rate (Slope) of Compression on the Incidence of Symptomatic Eustachian Tube Dysfunction and Middle Ear Barotrauma: A Phase II Prospective Study	Owen J. O'Neill, MD
11:30 PM	12:00 PM	Session B-1: Posters (15)	Astor Ballroom Gallery
12:00 PM	1:00 PM	Lunch (on own)	
1:00 PM	2:00 PM	Kindwall Keynote: TBI Research/Study	Gaylan Rockswold, MD
Session B - Clinical HBO ₂			
2:00 PM	2:50 PM	Plenary: Registry Panel to include International registries	Michael Bennett, MD Jay Buckey, MD Caroline Fife, MD

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2:50 PM	3:40 PM	Plenary: Central Retinal Artery Occlusion Description: <i>Central retinal artery occlusion is a form of acute ischemic stroke. Despite over 150 years of research there are no widely available, effective forms of treatment. Administration of hyperbaric oxygen is a compelling treatment avenue as the dual blood supply to the retina (from the central retinal artery and choroidal circulations) means that systemic hyperoxia can rescue ischemic retinal cells and act as a critical temporizing measure to arrest visual loss. In this talk, Dr. Mac Grory discusses the pathophysiology of CRAO, recent advances in our understanding of this condition and the central role that hyperbaric oxygenation may play in its treatment.</i>	Brian Mac Grory, MD
3:40 PM	4:10 PM	Break/Vendors	Astor Ballroom
4:10 PM	4:20 PM	B1: Effect of hyperbaric oxygen therapy on Xerostomia and taste in patients who have undergone head and neck radiation therapy	Marvin Heyboer, MD
4:20 PM	4:30 PM	B2: Evidence-supported HBO ₂ therapy in femoral head necrosis: A systematic review and meta-analysis.	Vincenzo Zanon, MD
4:30 PM	4:40 PM	B3: Diabetic foot wound case analysis: Amputations and cost of care with and without hyperbaric oxygen	Kayla Deru
4:40 AM	4:50 PM	B4: A cardiovascular strategy for management of carbon monoxide-poisoned patients	Susan Churchill, ACNP, PA
4:50 PM	5:00 PM	B7: Retrospective case-control study of long-term health outcomes after carbon monoxide poisoning	Lindell Weaver, MD
5:30 PM	7:30 PM	Welcome / Exhibitor Reception	Astor Ballroom

FRIDAY, JUNE 11			
General Session: Grand Ballroom			
7:00 AM	5:00 PM	Registration	Grand Ballroom Foyer
7:00 AM	8:00 AM	Continental breakfast / Vendors	Astor Ballroom
Session C - Decompression Theory and Mechanisms			
8:00 AM	8:55 AM	Plenary: Altitude DCS and the flight surgeon's concerns	Michael Harrison, MD
8:55 AM	9:50 AM	Plenary: Decompression Modeling Panel	Greg Murphy Dave Doolette, MD Laurens Howle, MD
9:50 AM	10:20 AM	Session C: Posters (5) & Session D-2: Posters (4)	Astor Ballroom Gallery
10:20 AM	10:50 AM	Break/Vendors	Astor Ballroom
10:50 AM	11:03 AM	C1: Experimental test of the surface interval decompression tables	Aleksey Sobakin, PhD
11:03 AM	11:16 AM	C2: Development of a freeware application for the estimation of inert gas load in common half-time compartments	Kaighley Brett, MD
11:16 AM	11:30 AM	C3: Aviation DCS	Mahmoud Sabha, MD
11:30 AM	12:00 PM	Session D-1: Posters (14)	Astor Ballroom Gallery
12:00 PM	1:00 PM	Lunch (on own) / UHMS Business Meeting (Grand Ballroom)	
1:00 PM	2:00 PM	Lambertsen Keynote: Submarine Escape/Rescue	Anthony Bielawski, MD
Session D - Diving Medicine			
2:00 PM	2:55 PM	Plenary: Assessing aftereffects of Covid related to Diving Medicine Panel	Peter Lindholm, PhD Charlotte Sadler, MD

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			Tony Alleman, DO CDR Joy Dierks
2:55 PM	3:50 PM	Plenary: International perspectives in DCS Management: Controversies in treatment tables. Series of cases and how they would use the tables Panel	Richard Moon, MD Cuauhteomoc Sanchez, MD Simon Mitchell, MD Maria Teresa David, MD
3:50 PM	4:20 PM	Break/Vendors	Astor Ballroom
4:20 PM	4:30 AM	D1: Test of cross corrections for altitude nitrox diving at 10,000 and 12,000 ft elevation	Tim Beck
4:30 PM	4:40 PM	D2: An analysis of health conditions among of U.S. Navy divers near separation from service, 2008 to 2018	Brian J. Maguire, MD
4:40 PM	4:50 PM	D3: Buoyant ascent rate profiles for the Mk10 and Mk11 submarine escape and immersion equipment	Christopher Frederick, MD
4:50 PM	5:00 PM	D4: Diver cycling endurance after nine days of warm water acclimation.	Courtney Wheelock
7:00 PM	10:00 PM	Awards Banquet (separate fee)	St. Charles Ballroom

SATURDAY, JUNE 12			
General Session: Grand Ballroom			
7:00 AM	5:00 PM	Registration	Grand Ballroom Foyer
7:00 AM	8:00 AM	Continental breakfast / Vendors	Astor Ballroom
8:00 AM	5:00 PM	Associates Breakout Session	Toulouse Room
8:00 AM	8:30 AM	Plenary: UHM Fellows: Top articles in Hyperbaric Medicine	Kristi Ray, DO (LSU Fellow)
8:30 AM	9:00 AM	Plenary: UHM Fellows: Top articles in Undersea Medicine	Chris Winstead-Derlega, MD (Duke Fellow)
Session E - HBO ₂ Operations, Chambers and Equipment			
9:00 AM	9:50 AM	Plenary: White Paper: Lack of Emerging 24/7 Chambers	Richard Moon, MD
9:50 AM	10:20 AM	Break/Vendors	Astor Ballroom
10:20 AM	11:10 AM	Plenary: Lessons learned from the UHMS accreditation process during COVID	David Charash, DO Derall Garrett, CHT Monica Skarban, RN
11:10 AM	11:20 AM	E1: Evaluation of the Zoll Z-Vent for use in a multiplace hyperbaric chamber	Marc Pullis, CHT
11:20 AM	11:30 AM	E10: Functional characteristics of the Zoll Z-Ventilator during hyperbaric exposures	Sarah M Raleigh, MD
11:30 AM	11:40 AM	E2: Environmental cultures of hyperbaric chambers and treatment areas	Kayla Deru
11:40 AM	11:50 PM	E3: A survey of hyperbaric chamber cleaning practices	Michelle Fitts
11:50 AM	1:00 PM	Lunch (on own)	
1:00 PM	1:30 PM	Session E: Posters (11)	Astor Ballroom Gallery
Session F - Top Case Reports			
1:30 PM	1:40 PM	B17: Latency and symptoms of CNS O ₂ toxicity in working divers breathing 100% O ₂ 2.06 ATA	Christopher Winstead-Derlega, MD

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1:40 PM	1:50 PM	B18: Fluorescent Microangiography for Frostbite Assessment: a Case Series	Sarah M Raleigh, MD
1:50 PM	2:00 PM	D5: Modification of thermoregulation during cold water immersion by normobaric hypoxia	Jason M. Keeler, PhD
2:00 PM	2:10 PM	D19: Diving Deep: A 40 Year Prospective on the Treatment Decompression Illness in the Gulf of Mexico	Kristi Ray, DO
2:10 PM	2:20 PM	E11: Implementation of a successful COVID-19 screening protocol in routine and emergency operations of a multiplace hyperbaric chamber	Tiffany Castellano, MD
2:20 PM	2:30 PM	D6: Clinical Trial of Sildenafil to Prevent Swimming-Induced Pulmonary Edema (SIPE)	Tim Beck
2:30 PM	3:00 PM	Session F-1 Posters (15)	Astor Ballroom Gallery
3:00 PM	3:15 PM	Break/Vendors	
3:15 PM	3:45 PM	Session F-2 Posters (7)	Astor Ballroom Gallery
3:45 PM	3:56 PM	F1: DIY HBO ₂	Marc Robins, DO
3:56 PM	4:07 PM	F2: Monoplace hyperbaric chamber treatment of arterial gas embolism with cardiac pacing, swan-ganz monitoring and inhaled epoprostenol	Lindell Weaver, MD
4:07 PM	4:18 PM	F3: HBO for Cranial Free Flap with Cook-Swartz Doppler Flow Probe DP-SDP001 to monitor arterial anastomosis flow.	Geoff Zbitnew MD
4:18 PM	4:29 PM	F4: Hyperbaric oxygen as adjunctive therapeutic in management of severe odontogenic fascial space infections: Case report and treatment protocol	Sarah McGowan
4:29 PM	4:40 PM	F5: Symptom reporting during intentional carbon monoxide poisoning	Lindell Weaver, MD
4:40 PM	4:51 PM	F6: Ozone therapy gas embolism treated with HBO ₂	Marc Robins, DO