

2023 UHMS ANNUAL SCIENTIFIC MEETING SCHEDULES

THURSDAY, JUNE 15

0700	0800	Registration and coffee for Pre-courses	
1200	1300	Lunch (on own)	
1200-1300		UHMS Business meeting / luncheon (advance purchase for lunch – meeting open)	Tidepool 2
1730-1830		Office-Based Hyperbaric Medicine Committee	Tidepool 3
1800-1900		UHMS Diving Committee	Coral 3

Fitness to Dive: Introduction to the Routine Medical Evaluation of Recreational Divers Coral 3

0755	0815	Welcome & dive injury epidemiology	Jim Chimiak, MD
0815	0845	Introduction to recreational diving	Bruce Derrick, MD
0845	0915	Diving physics & physiology	Bruce Derrick, MD
0915	0945	Diving pathophysiology	Bruce Derrick, MD
0945	1000	Q&A with faculty	Faculty
1000	1100	Systems Approach to Assessing the Recreational Diver including Cardiovascular / Pulmonary	Nick Bird, MD
1100	1130	Neuro/psych	Davut Savaser, MD
1130	1200	Endocrine/other	Davut Savaser, MD
1200	1300	LUNCH (on own)	
1300	1330	Musculoskeletal	Davut Savaser, MD
1330	1400	ENT	Tony Alleman, MD
1400	1430	Medications and diving	Tony Alleman, MD
1430	1445	Q&A with faculty	Faculty
1445	1500	Diver evaluation: RSTC form/documentation	Nick Bird, MD
1500	1545	Physical examination/neuro exam	Davut Savaser, MD
1545	1645	Case discussions	Faculty
1645	1700	Course wrap up, Q&A with Faculty	Derrick/Faculty

Approaches to Safety for the Hyperbaric Professional: Life After the 40-hour Course Coral 1-2

0800	0815	Welcome/Introduction to the course	Andrew Melnychenko, CHT
0815	0900	Burning Down the Bandwagon—The Catastrophic Potential of a Casual Approach to Hyperbaric Safety	Gary Toups, MD
0900	0945	On-label safety for off-label therapy: Approaches to the delivery of hyperbaric oxygen therapy for off-label indications.	Col. Jason Kelly, MD
0945	1030	Approaches to safety in the delivery of hyperbaric oxygen therapy to critical care patients	Nicholas Marosek, CHRN

2023 UHMS ANNUAL SCIENTIFIC MEETING SCHEDULES

1030	1045	BREAK	
1045	1130	Unravelling our Hyperbaric Codes and Standards	Francois Burman, PR ENG, BSC (ENG), MSC
1130	1200	The AHJ. Who are they?	Derall Garrett, CHT
1200	1300	LUNCH (on own)	
1300	1345	Where to defibrillate – In the HBO Room or Not?	Richard Barry, CHT
1345	1430	Hyperbaric Staff Competencies	Anthony Johnston, ACHRN
1430	1530	Checklists, complacency, and human nature	Rob Sheffield, CHT
1530	1545	BREAK	
1545	1630	Retrospective Analysis of Monoplace and Multiplace Chamber Accidents	Roma Tremblay, APRN
1630	1715	Hyperbaric Medicine Emergencies	Matthew Kelly, MD
1715	1730	Questions / Course Evaluation / Closing	Andrew Melnyczenko, CHT

FRIDAY, JUNE 16

General Session will be in Pacific Jewel C

Posters will be in Pacific Jewel A

Breaks / Exhibits / Welcome Reception: Pacific Jewel B

0700	0800	Registration / Coffee / Exhibits
0800	0830	Opening Ceremony / Welcome - UHMS President: Pete Witucki, MD
0830	0930	Kindwall Keynote: Hyperbaric Oxygen Therapy for Inflammatory Bowel Diseases - Current Understandings and Future Opportunities: Parambir Singh Dulai, MBBS
0930	1000	Break / Exhibits

Session A - HBO₂ Theory and Mechanisms

Moderators: Zach Schadler / Gus Gustavson

1000	1130	Plenary: International Panel: Oxygen: How much, How Often: Jacek Kot, MD; Gerardo Bosco, MD; Tino Balestra, MSc, PhD
1130	1200	<p>Posters: Session A: (A1-A2, A4) & Session B: (B5, B7-B17; B20-B21)</p> <p>A1: Hippocampal neuronal death partially inhibited with early hyperbaric oxygen therapy in asphyxial cardiac arrest rat model: Hyoung Youn Lee, PhD</p> <p>A2: Oxidative burst and cytokine expression in patients and healthy volunteers receiving hyperbaric oxygen: A pilot study: Lindell K. Weaver, MD, FACP, FCCP, FCCM, FUHM</p> <p>A4: Early single-session hyperbaric oxygen therapy attenuates post cardiac arrest renal injury in asphyxial cardiac arrest rat model: YS Lee, MD</p> <p>B5: National outcomes of hyperbaric oxygen in necrotizing soft tissue infections: William Toppen, MD</p> <p>B7: Age and diabetes increase refractive changes over time with hyperbaric oxygen: Jay C. Buckey, M.D.</p> <p>B8: Pilot evaluation of long-term follow-up for the Multicenter Registry for Hyperbaric Oxygen Therapy: Jay C. Buckey, M.D.</p>

2023 UHMS ANNUAL SCIENTIFIC MEETING SCHEDULES

		<p>B9: Multicenter Hyperbaric Outcomes Registry: 2022 review: Jay C. Buckey M.D.</p> <p>B10: Retrospective assessment of the “Duke Mods”, An approach to reducing hyperbaric tender decompression sickness risk for multiplace chamber operations: M. Claire Ellis</p> <p>B11: Association between number of hyperbaric oxygen therapy sessions and neurocognitive outcomes of acute carbon monoxide poisoning: Yong Sung Cha, MD, PhD</p> <p>B12: Utility of echocardiographic global longitudinal strain to predict myocardial fibrosis in patients in carbon monoxide poisoning: Yong Sung Cha, MD, PhD</p> <p>B13: Hyperbaric oxygen therapy regimens, treated conditions, and adverse effect profile: A UHMS survey study: Matteo Laspro, BA</p> <p>B14: Perception and availability of hyperbaric oxygen therapy as a treatment modality for carbon monoxide poisoning among emergency medicine physicians: Tyler Connelly, BS</p> <p>B15: Early hyperbaric oxygen therapy is associated with favorable outcome in iatrogenic cerebral arterial gas embolism: Individual patient data meta-analysis of observational studies: Robert P. Weenink, CAPT (Navy), MD, PhD</p> <p>B16: Hyperbaric oxygen therapy chamber supervision across the usa: how often do practitioners supervise more than one HBO2 simultaneously? Helen Gelly, MD, FUHM, UHM/ABPM</p> <p>B17: Inflammatory response profiles in COVID-19 patients treated with hyperbaric oxygen therapy compared with best practice: Anders Kjellberg, MD</p> <p>B18: Withdrew</p> <p>B20: Effectiveness of 6-week follow-up after hyperbaric oxygen treatment for carbon monoxide poisoning in identifying delayed neurological sequelae and referral to neurological services: Dallin Lindahl, MD, MS</p> <p>B21: Oxygen concentration in and around a monoplace hyperbaric chamber after emergency decompression and defibrillation safety: Justin P. Meunier, MD</p>
1200	1400	Lunch (on own)
1200-1300		Education Committee
1200-1300		GME Committee
1200-1300		Navy UMO meeting – (private mtg)
1300-1400		Research Committee
1300-1400		NIH study for the use of HBO in ulcerative colitis Meeting – (private mtg)
1300-1400		Resident/Fellow Luncheon (advance purchase only)
1400	1410	B11: Association between number of hyperbaric oxygen therapy sessions and neurocognitive outcomes of acute carbon monoxide poisoning: Yong Sung Cha, MD, PhD
1410	1420	B28: A randomized, double-blind trial of hyperbaric oxygen for persistent symptoms after brain injury (HYBOBI-2): Lindell Weaver, MD
1420	1430	A3: Sex differences in susceptibility to central nervous system oxygen toxicity: Matthew S. Makowski, MD
1430	1500	Plenary: UHM Fellows: Top Articles in Hyperbaric Medicine: Claire Ellis, MD: Duke Fellow

2023 UHMS ANNUAL SCIENTIFIC MEETING SCHEDULES

1500	1530	Break / Exhibits
Session B - Clinical HBO₂ Moderators: Laurie Gesell / Geness Koumandakis		
1530	1630	Plenary: Reimbursement-Revenue Management Panel, Helen Gelly, MD; Ian Grover, MD
1630	1640	B5: National outcomes of hyperbaric oxygen in necrotizing soft tissue infections: William Toppen, MD
1640	1650	B6: A Randomized Trial of Preoperative Hyperbaric Oxygen (HBOT) Before Pancreaticoduodenectomy: Enrico Camporesi, MD
1650	1700	B7: Age and diabetes increase refractive changes over time with hyperbaric oxygen: Jay Buckey, MD
1700	1730	<p>Posters: Session B: (B22-B41)</p> <p>B22: U.S. multicenter randomized controlled trial of hyperbaric oxygen for COVID-19 patients with moderate to severe hypoxemia: Enoch Huang, MD, MPH&TM, FUHM</p> <p>B23: Hyperbaric oxygen treatment + icing achieves the effects of icing and thermotherapy simultaneously in a rat acute skeletal muscle contusion model: Takashi Hoshino MD, PhD</p> <p>B24: Dartmouth Registry Annual Report: A look at treatment of conditions outside of UHMS indications: Hideaki Leo Tanaka, MD, FACEP</p> <p>B25: Feasibility and FDA evaluation for a Phase II Clinical Trial on efficacy of hyperbaric oxygen therapy for post COVID condition: Hideaki Leo Tanaka, MD, FACEP</p> <p>B26: Risk factors for complications of orthopedic trauma – post hoc analysis of the HOLLT Study data: Ian Millar MBBS</p> <p>B27: Assessing hyperbaric and undersea medicine physicians prescribing practices regarding HBO₂ for non-emergent indications in patients who smoke: Kaighley Brett, MD</p> <p>B28: A randomized, double-blind trial of hyperbaric oxygen for persistent symptoms after brain injury (HYBOBI-2): Lindell K. Weaver, MD, FACP, FCCP, FCCM, FUHM</p> <p>B29: Carbon monoxide poisoning from being towed behind a boat: Lindell K. Weaver, MD, FACP, FCCP, FCCM, FUHM</p> <p>B30: A 19-year retrospective analysis of hyperbaric oxygen seizures: Geness Koumandakis, RRT</p> <p>B31: Does slow and steady win the race? Consideration on optimal compression time: Samuel Hawkins, MD</p> <p>B32: CO-oximetry in the emergency department: Jeffrey Cooper, MD</p> <p>B33: Hyperbaric oxygen therapy for renal abscess: A case series: Kazuki Yanagida, MD</p> <p>B34: Current trends in hyperbaric oxygen therapy use in central retinal artery occlusion management in US hyperbaric facilities: William Toppen, MD</p> <p>B35: Neuropsychological outcomes in a randomized, double-blind trial of hyperbaric oxygen for persistent symptoms after brain injury: Rosemary Ziemnik, MS</p> <p>B36: Safety and adverse events in a randomized, double-blind trial of hyperbaric oxygen for persistent symptoms after brain injury (HYBOBI-2): Rosemary Ziemnik, MS</p>

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		<p>B37: Hyperbaric treatment improves late effects of radiation on the chest wall: Joan Chou, MD</p> <p>B38: Successful placement and activation of artificial urethral sphincter for urinary incontinence after completing adjunctive hyperbaric oxygen therapy for radiation cystitis: Dallin Lindahl, MD, MS</p> <p>B39: Myodesopsia after hyperbaric oxygen therapy: An unusual case report: Jiho Lee, PhD</p> <p>B40: Hyperbaric oxygen therapy for thalamic pain syndrome: Peter Lennox MD</p> <p>B41: HBO₂ for wound in irradiated field leads to avoidance of surgery: A case report: Jayanth Adusumalli, MBBS, MPH</p>
1800	1900	Welcome Reception
1800-2000		HBO2 Therapy Committee
		Tidepool 2
SATURDAY, JUNE 17		
0700	0800	Registration / Coffee / Exhibits
0700-0800		Presidents Breakfast (UHMS BOD Current & Past Presidents Only)
		Tidepool 3
0700-0800		Stop the Bleed Workshop
		Pacific C
0800	0900	Lambertsen Keynote: SEALAB the Dawn of SAT Diving: Kevin Hardy, DSC hc
Session C - Decompression Theory and Mechanisms		
Moderators: Owen O'Neill / Dan Christopher		
0900	0930	UHMS Exhibits / Break
0930	1030	Plenary: Decompression Panel: Stephen Thom, MD (Microparticles); David Doolette, PhD (VGE Measurement); Greg Murphy, PhD (USN Heliox Tables)
1030	1040	C55: Diving into decompression sickness-resistant rat's gene expression of genes involved in antioxidant mechanisms and mitochondrial biogenesis; Emmanuel Dugrenot, PhD
1040	1050	C56: Real-time deployment feasibility of deep learning VGE detection models for ultrasound echocardiograms; Josh Currens on behalf of Arian Azarang, PhD
1050	1100	C54: Preliminary qualitative assessment of bubbles inside porcine lymph nodes, imaged by ultrasound after a provocative dive profile: Josh Currens, BS
1100	1110	C52: Elevations of inflammatory biomarkers in closed circuit SCUBA divers parallel those in DCS models: Stephen Thom, MD
1110	1120	C53: A Novel Method for Observing Gaseous Nitrogen In Vivo and Ex Vivo Using Radioactive Nitrogen-13: Edward Ashworth, PhD
1120	1130	C58: Effects of oxygen prebreathing on tissue nitrogen content under normobaric and hyperbaric conditions; Edward Ashworth, PhD
1130	1200	<p>Posters: Session B: (B19; B42-B51) & Session C: (C54-C62)</p> <p>B19: Severe digital frostbite treated with hyperbaric oxygen therapy: Jessica Hoge, MD</p> <p>B42: Use of hyperbaric oxygenation therapy for Cyclophosphamide-Induced Hemorrhagic Cystitis. A case report with a call for awareness and advocacy: Denise Nemeth, OMS-II, MPAS, PA-C</p> <p>B43: CT perfusion patterns in iatrogenic cerebral arterial gas embolism: a retrospective cohort study: R.A. Fakkert, MD</p>

2023 UHMS ANNUAL SCIENTIFIC MEETING SCHEDULES

		<p>B44: Hyperbaric oxygen therapy for cerebral radiation necrosis secondary to stereotactic radiation: A Case Series: Jeffrey Cooper, MD</p> <p>B45: Incidence of COVID-19 history among patients with ISSNHL treated with hyperbaric oxygen therapy: Jacek Kot, MD, PhD</p> <p>B46: Withdrew</p> <p>B47: A research on the application of hyperbaric oxygen treatment for the treatment of sepsis: Xuyuan Kuang, MD, PhD</p> <p>B48: Delayed encephalopathy of tramadol overdoses related CHANTER syndrome successfully treated with consecutive hyperbaric oxygen therapy: Naoto Jingami, MD, PhD</p> <p>B49: Hyperbaric oxygen for long-covid condition: Joshua J. White, JD</p> <p>B50: Why wound you heal? Liz Eshleman, MSN, FNP-C</p> <p>B51: E-cigarette explosion leading to oropharyngeal cancer: Jessica Coffendaffer, MSN, APRN, FNP-C</p> <p>C54: Preliminary qualitative assessment of bubbles inside porcine lymph nodes, imaged by ultrasound after a provocative dive profile: Josh Currrens, BS</p> <p>C55: Diving into decompression sickness-resistant rat's gene expression of genes involved in antioxidant mechanisms and mitochondrial biogenesis: Emmanuel Dugrenot, PhD</p> <p>C56: Real-time deployment feasibility of deep learning VGE detection models for ultrasound echocardiograms: Josh Currrens on behalf of Arian Azarang, PhD</p> <p>C57: Automated grading of venous gas emboli in Doppler ultrasound achieves human inter-rater agreement performance: A log-scale mel spectrogram-based deep learning approach: Josh Currrens on behalf of Arian Azarang, PhD</p> <p>C58: Effects of oxygen prebreathing on tissue nitrogen content under normobaric and hyperbaric conditions: Edward Ashworth, PhD</p> <p>C59: A PET compatible hyperbaric chamber for rodents to enable temporal and spatial monitoring of tissue nitrogen gas (nitrogen-13) in vivo: Edward Ashworth, PhD</p> <p>C60: Pathophysiology of cutis marmorata in porcine decompression sickness: Aashay Patel, BSPH</p> <p>C61: Stress and inflammation salivary analytes collected from standardized dives: Rhiannon Brenner</p> <p>C62: Measuring whole-body inert gas turnover: Oscar Plogmark, MD, PhD student</p>	
1200	1400	Lunch (on own)	
	1200-1300	ACEP Committee Meeting	Tidepool 2
	1200-1300	Safety Committee	Tidepool 3
	1200-1300	BNA Luncheon (advance purchase only)	Tidepool 4
	1300-1400	Publications Committee	Tidepool 2

2023 UHMS ANNUAL SCIENTIFIC MEETING SCHEDULES

1300-1400	QUARC Committee	Tidepool 3
1300-1400	BNA Board meeting	Tidepool 4
1300-1400		Tidepool 5
1730-1800	Pacific Chapter meet & greet	Pacific Jewel C
1730-1830	Mayo Group (private mtg)	Tidepool 2
Session D - Diving Medicine		
Moderators: Bruce Derrick / Jay Duchnick		
1400	1500	Plenary: Session D: Diving Medicine Research Panel: Richard Moon, MD; Jay Dean, MD; Jim Chimiak, MD
1500	1510	D65: Preliminary evidence that fourteen days of apnea and hypoxia exposures reduces circulating pro-inflammatory microparticles: Zachary Schlader, PhD
1510	1520	D66: Analysis of chest radiographs from navy SEAL (Sea Air Land) candidates developing pulmonary symptoms while swimming: Two different patterns of what previously has been described as pulmonary: Peter Lindholm, MD, PhD
1520	1530	D67: Arterial PCO ₂ during submersed prone exercise suggests attenuation of hypercapnia after respiratory muscle training: Nicholas Bartlett
1530	1600	Break / Exhibits
1600	1630	Plenary: UHM Fellows: Top articles in Undersea Medicine: Matthew Makowski, MD - Duke Fellow
1630	1700	Plenary: ADCI Medical Guidelines Update: Tony Alleman, MD
1700	1730	<p>Posters: Session C: (C63-C64) & Session D: (D68-D75; D77-D83) & Session F: (F117)</p> <p>C63: A quantitative approach to assess similarity between dives under the Bühlmann decompression algorithm constraints: Josh Currens, BS</p> <p>C64: Analysis of gas evolution in the heart, liver and kidney of turtles presenting with decompression sickness based on ultrasonography: Katherine Eltz, BS, PhD Student</p> <p>D68: Effects of hyperbaric exposure on perceptual-motor coordination: Nozomu Kageyama, PhD</p> <p>D69: Nitrous oxide consistently attenuates thermogenic and thermoperceptual responses to repetitive cold stress in humans: Maaïke Iris Moes, Msc</p> <p>D70: Relative hypoxemia at depth during breath-hold diving investigated through arterial blood gas analysis and lung ultrasound: Gerardo Bosco, MD, PhD</p> <p>D71: Evaluation and follow-up of divers after COVID-19 infection: A prospective, observational study: Charlotte Sadler, MD</p> <p>D72: Exercise-related drops in blood oxygen saturation to diagnose marginal decompression sickness cases: Gabriela Morales, BSE</p> <p>D73: DRACO 2023: DAN looks at increased gas consumption upon return to dive in divers with COVID-19 infection: Frauke Tillmans, PhD</p> <p>D74: Divers treated in Townsville, Australia: Worse symptoms lead to poorer outcomes: Denise F Blake, BN, MD, FRCPC, FACEM, PGDipMedSci (DHM), Dip DHM, PhD candidate</p> <p>D75: Cost effectiveness of urinalyses in occupational diver clearance: William Toppen, MD</p>

2023 UHMS ANNUAL SCIENTIFIC MEETING SCHEDULES

		<p>D76: Withdrew</p> <p>D77: Treatment of decompression sickness at Kawashima Orthopaedic Hospital: Masayuki Kawashima, MD</p> <p>D78: Lack of recompression facilities for diving injuries on the Central Gulf Coast: Julio R. Garcia RN, BSN, ACHRN, WCC, FAPWCA</p> <p>D79: Maximal fat oxidation in relation to 20 weeks of military diver training: Clara Sjöblom MSc</p> <p>D80: Identifying low risk dive profiles in the Canadian Diving Data and Doppler Ultrasonic Data BASE: A retrospective review: Kaighley Brett, MD</p> <p>D81: Neurocognitive performance during repetitive recreational harvesting dives: Grant Dong B.S.</p> <p>D82: From UPTD to ESOT: Monitoring hyperoxic exposure in surface-oriented diving: Jan Risberg, MD, PhD</p> <p>D83: State of the art review – Cardiac fitness assessment for diving in individuals with pre-existing asymptomatic coronary artery disease: Weien Chow, MRCP, M.Med</p> <p>F117: Massive venous gas embolism in a diver post-COVID: Jenny Thacker, MD, FACEP</p>
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SUNDAY, JUNE 18

0700	0800	Registration / Coffee / Exhibits	
0800	0900	Davis Keynote: Historical perspective: Safety development; John Feldmeier, DO	
Session E - HBO₂ Operations, Chambers and Equipment:			
Moderators: John Feldmeier / Julio Garcia			
0900	0930	E100: Rapid discharge of rechargeable lithium-ion batteries at 1ATA and 3ATA: Chae Bliss, CHT	
0930	0940	E92: GO/NO GO: A tool to eliminate the guesswork in determining which items may be allowed in a hyperbaric chamber: Jeff Mize RRT, CHT, UHMSADS	
0940	0950	E98: A solution for clinical hyperbaric facilities to easily standardize, track and document routine safety inspections: Checklist-based digital task manager: Tiffany Hamm BSN, RN, ACHRN, CWS, UHMSADS	
0950	1000	F123: Pneumorrhachis and pneumocephalus following epidural anesthesia for labor and delivery: A case report and systematic review: Michelle Cao, BA	
1000	1030	Break / Exhibits	
1030	1100	Plenary: Pitfalls in hyperbaric facility safety management: Francois Burman, PR ENG, BSC (ENG), MSC	
1100	1200	Plenary: Active shooter in the pressurized environment setting. Julio Garcia, RN, Jacqueline Hocking, CHT; Geness Koumandakis, CHT, RRT	
1200	1300	Plenary: The first deep hydrogen rebreather dive; an adventure in applied gas physiology Simon Mitchell, MB ChB, PhD, DipDHM, DipOccMed, FUHM, FANZCA	
1300	1400	Lunch (on own)	
1300-1400		UHMS Associate Luncheon: (advance purchase only)	Tidepool 4
1300-1400		FDA Liaison Committee	Tidepool 2
1300-1400		REDCap Committee	Tidepool 3
1300-1400		UHMS Accreditation Council	Tidepool 5
1400	1430	Plenary: Review of Emergency Decompression - bailouts: Sean Hardy, MD	

2023 UHMS ANNUAL SCIENTIFIC MEETING SCHEDULES

1430	1440	E88: A Case to Support the Routine Monitoring and Analysis of Breathing Gases Provided to the BIBS Line from Vendor Provided K Cylinder Storage: John Sullivan, CHT
1440	1450	E89: Barriers to 24/7 Availability and Emergent Clinical Capabilities of Hyperbaric Medicine Facilities: A Large-Scale Survey Study: John McGlynn, MD
1450	1500	E90: Strengths and Weaknesses of Monoplace vs Multiplace Chambers for Hyperbaric Critical Care: Ian Millar, MBBS
1500	1515	Break
1515	1530	New Indication: Hyperbaric Treatment for Femoral Aseptic Bone Necrosis, Enrico Camporesi, MD
1530	1600	<p>Posters: Session D: (D84-D87) & Session E: (E88-E91; E93-E97; E99-E101) & Session F: (F102-F103)</p> <p>D84: Redefining work of breathing: Addressing modeling gaps in instantaneous flow models: Victoria Ribeiro Rodrigues, BS, PhD Student</p> <p>D85: Determination of tidal volume-controlled buoyancy boundaries' impact on diver workload efficiency: Aviad Cahana, BSc</p> <p>D86: Crochetage pattern: An electrocardiographic warning sign for scuba divers: Sarah Crawford MD, MSc</p> <p>D87: Development of a model to simulate underwater physiology: Tobias Cibis, PhD Candidate</p> <p>E88: A case to support the routine monitoring and analysis of breathing gases provided to the BIBS Line from vendor-provided K cylinder storage: John Sullivan, CHT</p> <p>E89: Barriers to 24/7 availability and emergent clinical capabilities of hyperbaric medicine facilities: A large-scale survey study: John J McGlynn, MD</p> <p>E90: Strengths and weaknesses of monoplace vs multiplace chambers for hyperbaric critical care: Ian Millar, MBBS</p> <p>E91: Allowing emergency decompression for inside attendant during hyperbaric oxygen therapy: Oscar Plogmark, MD, PhD student</p> <p>E93: Laptop-style POCUS machines in the multiplace HBO2 chamber: Jenny Thacker, MD, FACEP</p> <p>E94: The development of hyperbaric medicine in Korea since 2017: Sungmin Lee, MD, PhD</p> <p>E95: Evaluating the function and safety of a Bluetooth™ device in the multiplace hyperbaric environment: Andrew Melnychenko, BSHCA, CHT</p> <p>E96: Evaluation of an elastomeric respirator for use in the multiplace hyperbaric environment: Heather Viste, BAN, RN</p> <p>E97: Effects of airway and pressure threshold resistance on fatigue and cognition in divers: Daniel Steven Williams, BSCPE, MSEE</p> <p>E99: Predicting tidal volume of the Zoll Z Ventilator in a hyperbaric chamber: Abigail Winn, MD</p> <p>E100: Rapid discharge of rechargeable lithium-ion batteries at 1ATA and 3ATA: Chae Bliss BS, CHT, EMT</p> <p>E101: How hard is it to change from lithium-ion to alkaline fuel cell in a portable device? Tony Turner, MAICD</p>

2023 UHMS ANNUAL SCIENTIFIC MEETING SCHEDULES

		<p>F102: Hyperbaric oxygen therapy in the management of upper extremity frostbite injury: A case series: Olayinka David Ajayi, MD, MPH</p> <p>F103: Fluorescence microangiography as a novel tool to identify and monitor ischemia in crush injury: Margot Samson, MD</p>
Session F - Top Case Reports Moderators: Marc Robins / Jacqueline Hocking		
1600	1610	F102: Hyperbaric oxygen therapy in the management of upper extremity frostbite injury: A case series: Olayinka David Ajayi, MD, MPH
1610	1620	F103: Fluorescence microangiography as a novel tool to identify and monitor ischemia in crush injury: Margot Samson, MD
1620	1630	F104: Acute Central Retinal Artery Occlusion from Cosmetic Filler Injection: Casey Smith, MD
1630	1700	<p>Posters: Session F: (F104-F116; F118-F123)</p> <p>F104: Acute central retinal artery occlusion from cosmetic filler injection: Casey Smith, MD</p> <p>F105: New seizure disorders after carbon monoxide poisoning: Lindell K. Weaver, MD, FACP, FCCP, FCCM, FUHM</p> <p>F106: Hyperbaric oxygen treatment for paracentral acute middle maculopathy: A case study: Robert Neiberger, DO</p> <p>F107: Atypical avascular necrosis treated with hyperbaric oxygen therapy: Cheryl Hickey, MD</p> <p>F108: Acute Traumatic Polymicrobial Pinna Perichondritis Treated with Hyperbaric Oxygen Therapy: Raymond C. Shields, MD</p> <p>F109: Hyperbaric oxygen therapy in cases of BK virus hemorrhagic cystitis: Christopher Allen, MD</p> <p>F110: Case report of an intractable cough due to radiation pneumonitis treated with hyperbaric oxygen: Gerald H. Markovitz, MD</p> <p>F111: Polyarteritis nodosa treated with hyperbaric oxygen therapy: Jessica Hoge, MD</p> <p>F112: Hyperbaric oxygen therapy for the treatment of carbon monoxide-induced delayed neurological sequelae: A case report and review of the literature: Colin Teo, MBBS</p> <p>F113: Successful outcome from persistent brain abscess with addition of adjunctive hyperbaric oxygen therapy: Christopher Woodard, MB, BCH, BAO</p> <p>F114: Resolution of ischemic colitis with perforation, with hyperbaric oxygen treatments: Jay Buckey, MD on behalf of Kim Wilkinson, RN-AND</p> <p>F115: Altitude DCS treatment options: Nathan Kwan, MAJ (Army), MD</p> <p>F116: Bedside fluorescence microangiography aids decision-making regarding hyperbaric oxygen therapy for a compromised flap: Jenny Thacker, MD, FACEP</p> <p>F118: Acute cognitive impaired diver hyperbaric treatment effect: A case series: Ian Kirby, MD, CCFP, UHM</p>

2023 UHMS ANNUAL SCIENTIFIC MEETING SCHEDULES

		<p>F119: Case report of PFO closure in an occupational diver after Type II DCS: Kaighley Brett, MD</p> <p>F120: Immersion pulmonary edema: Not limited to a specific UBA: James E. Breuer, MD</p> <p>F121: Alternate treatment For AGE when USN TT6 not feasible: Shane Day, DO, MPH, MS, CP</p> <p>F122: Withdrew</p> <p>F123: Pneumorrhachis and pneumocephalus following epidural anesthesia for labor and delivery: A case report and systematic review: Michelle Cao, BA</p> <p>F124: Unusual Presentation of Diplopia after 100% Oxygen Closed Circuit Rebreather Diving: A Case Report: Chiew Wenqi, MBBS</p>	
1900	1930	Awards Banquet Reception	Eventide Gardens
1930	2200	Awards Banquet Reception/Dinner	Eventide
2200	2400	After Party	Eventide

Overall Goal of the UHMS Annual Scientific Meeting

The primary goal of the Undersea and Hyperbaric Medical Society ASM is to provide a forum for professional scientific growth and development to the participants. The meeting provides a basis for exchange of ideas, both scientific and practical, among physicians, researchers, and other health professionals. It affords an opportunity for participants to meet and interact with past and present leaders of the Society, and to become active in societal affairs.

CONTINUING EDUCATION

Accreditation Statement: The Undersea and Hyperbaric Medical Society is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Designation Statements:

- **Fitness to Dive: Introduction to the Routine Medical Evaluation of Recreational Divers: Thursday, June 15:**
- The Undersea and Hyperbaric Medical Society designates this live activity for a maximum of **8** AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
 - **The AAFP** has reviewed Fitness to Dive: Introduction to the Routine Medical Evaluation of Recreational Divers and deemed it acceptable for up to **8** live AAFP prescribed credits. Term of Approval is from 06/15/2023 to 06/15/2023. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
 - AAFP Prescribed credit is accepted by the American Medical Association as equivalent to AMA PRA Category 1 credit(s)[™] toward the AMA Physician's Recognition Award. When applying for the AMA PRA, Prescribed credit earned must be reported as Prescribed, not as Category 1.
- **Approaches to Safety for the Hyperbaric Professional: Life After the 40-hour Course: Thursday, June 15:** The Undersea and Hyperbaric Medical Society designates this live activity for a maximum of **8** AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.
- **2023 UHMS Annual Scientific Meeting: June 16-18:** The Undersea and Hyperbaric Medical Society designates this live activity for a maximum of **20** AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

2023 UHMS ANNUAL SCIENTIFIC MEETING SCHEDULES

Nursing CEU:

License Types Approved: Advanced Registered Nurse Practitioner; Clinical Nurse Specialist; Licensed Practical Nurse; Registered Nurse; Certified Nursing Assistant; Respiratory Care Practitioner Critical Care; Respiratory Care Practitioner Non-Critical Care; Registered Respiratory Therapist; Certified Respiratory Therapist

- **Fitness to Dive: Introduction to the Routine Medical Evaluation of Recreational Divers: Thursday, June 15:** is approved by the Florida Board of Registered Nursing Provider #50-10881. Credit hours approved **8**.
- **Approaches to Safety for the Hyperbaric Professional: Life After the 40-hour Course: Thursday, June 15:** is approved by the Florida Board of Registered Nursing Provider #50-10881. Credit hours approved **8**
- **2023 UHMS Annual Scientific Meeting: June 16-18** is approved by the Florida Board of Registered Nursing Provider #50-10881. Credit hours approved **20**.

NBDHMT:

- **Fitness to Dive: Introduction to the Routine Medical Evaluation of Recreational Divers: Thursday, June 15:** The NBDHMT does not recognize this educational program as meeting their requirements and scope for credit.
- **Approaches to Safety for the Hyperbaric Professional: Life After the 40-hour Course: Thursday, June 15:** This live activity is approved for **8** Category A credit hours by National Board of Diving and Hyperbaric Medical Technology, P.O. Box 758, Pelion, South Carolina 29123.
 - 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.
- **2023 UHMS Annual Scientific Meeting: June 16-18:** This live activity is approved for a maximum of **20*** Category A credit hours by National Board of Diving and Hyperbaric Medical Technology, P.O. Box 758, Pelion, South Carolina 29123. ***Up to 15 Cat A credits** for the in-person/live stream meeting and up to **5 Cat A credits** for reviewing posters/quiz online at your leisure. Not to exceed 20 total maximum Cat A credit hours. [CLICK HERE for approved lectures & posters](#).
 - 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.

Full Disclosure Statement: All faculty members and planners participating in continuing medical education activities sponsored by Undersea and Hyperbaric Medical Society are expected to disclose to the participants any relevant financial relationships with ineligible companies. Full disclosure of faculty and planner relevant financial relationships will be made at the activity.

Disclosure: The following individuals have disclosed a relevant financial relationship with ineligible companies. Financial relationships are relevant if the following three conditions are met for the individual who will control content of the education:

Disclaimer: The information provided at this CME activity is for Continuing Medical Education purposes only. The lecture content, statements or opinions expressed however, do not necessarily represent those of the Undersea and Hyperbaric Medical Society.

Evaluation: The evaluation will be available at the conclusion of the meeting. To access the evaluation, you will need to log in to the UHMS main website with your username and password. Once logged in, you will be able to find the evaluation under the "My Account" tab.

Presentations:

Presentations are also located on the course portal under the "My Account" tab. This meeting is recorded to post as a future enduring material. You cannot claim CE credit for both live stream and enduring material programs.