

# Programme

## Tuesday Sept 2, 2025

8:00-9:00 Registration

### Preconference Course

9:00-18:00 Advanced Diving Accident Life Support (ADALS) 1 & 2 Course

*Chairs: Laura Tuominen and Timo Jama*

## Wednesday Sept 3, 2025

8:00-9:00 Registration

9:00-13:00 ADALS 3

*Chairs: Laura Tuominen and Timo Jama*

9:00-13:00 Workshop: Hyperbaric Safety Talks

*Chairs: Manuel Preto*

9:00-13:00 Workshop: Diving Medicine Cases

*Chairs: Richard Lundell and Tomi Wuorimaa*

13:00-14:00 Lunch

14:00-16:00 Opening ceremony

*Chair: Anne Räisänen-Sokolowski*

**Keynote 1:** Underwater world in Finland by Pekka Tuuri, Sami Paakkarinen and Tommi Toivonen

16:00-16:30 Coffee break

16:30-18:00 **Scientific session 1**

16:30-16:45 Bubble scenarios suggested by cluster analysis of 765 cases of DCS recorded in commercial diving by Imbert J-P et al.

16:45-17:00 To recompress, or not to recompress. That's the Hyperbaric Dilemma by Desola J et al

17:00-17:15 Measuring Whole-Body Inert Gas Uptake and Washout During Submersion by Plogmark O et al

17:15-17:30 Adapted Algorithms for Safe and Efficient Decompression in Extended Altitude Dives by Longbardi P et al

17:30-17:45 The Effect of Dyslipidemia on Endothelial Function During Scuba Dives by Ozgok Kangal m et al.

17:45-18:00 Discussion

19:30-21:00 Welcome reception at Helsinki City Hall

## Thursday Sept 4; 2025

8:00-8:30 Registration

**8:30-10:30 Scientific Session 2**

8:30-9:15 **Keynote 2:** Simon Mitchell: What's new in Diving and Hyperbaric Medicine?

9:15-9:30 The effects of HBO on the macro- and oligo-elements in the kidney and liver tissue by Nesovic Ostojic J et al.

9:30-9:45 Nubiss: A platform generating evidence for HBOT involving private investment, Patient Empowerment and Specialty Physicians by Cuntze F et al

9:45-10:00 Development of an evidence-based, collaborative, international interprofessional in situ hyperbaric medicine simulation curriculum by Boet S et al

10:00-10:15 Indications for Extended Hyperbaric Recompression Tables in Severe Cutis Marmorata with Neurological Impairment by Herrera C et al

10:15-10:30 Discussion

10:30-11:00 Coffee Break

**11:00-13:00 Scientific session 3**

11:00-11:15 Hyperbaric Oxygen Therapy for Multiple Acute Carbon Monoxide Poisonings During a Nationwide Blackout Response by Papoutsidakis E et al.

11:15-11:30 Atrial Fibrillation Secondary to Carbon Monoxide Poisoning: Resolution with Hyperbaric Oxygen Therapy by Taheri O et al

11:30-12:00 Orbital Emphysema and Risk of Compartment Syndrome during Hyperbaric Oxygen Therapy for Carbon Monoxide Poisoning by Taheri O et al

12:00-12:15 HBOT in Severe Carbon Monoxide Poisoning. A Ten-Years Experience from HBOT Facility in Oman by Alqartoobi H et al

12:15-12:30 Discussion

12:30-14:00 Lunch and poster sessions

**14:00-16:00 Scientific session 4**

14:00-14:45 **Keynote 3:** Anders Kjellberg: Hyperbaric oxygen treatment in acute COVID- and ARDS- patients

14:45-15:00 Hemodynamic monitoring of patients with necrotizing soft tissue during treatment with hyperbaric oxygen by Arienkiel B et al

15:00-15:15 Lack of sedation in gas embolism patients: a risk of central nervous system oxygen toxicity? by Lewy C et al

15:15-15:30 Enhancing Emergency Preparedness in Hyperbaric Medicine through Simulation-Based Training by Giacomini C

15:30-15:45 Use of hyperbaric oxygen therapy in severe earthquake injuries by Demir L et al

15:45-16:00 Discussion

16:00-16:30 Coffee break

**16:30-18:00 Scientific session 4**

16:30-17:15 **Keynote 4:** Nicklas Oscasson: Hyperbaric Oxygen after Radiation Therapy

17:15-17:30 Hyperbaric Oxygen for Idiopathic Sudden Sensorineural Hearing Loss, a preliminary update by Lin Z  
17:30-17:45 Sudden Deafness treated with Hyperbaric Oxygen (SuDHO) – An ongoing multicentre RCT in Norway by Mueller B et al  
17:45-18:00 HBOT for skin infections: literature review and synergy with antibiotics or novel medical devices by Longobardi P et al

Friday Sept 5; 2025

8:00-8:30 Registration

**8:30-10:30 Scientific Session 5**

8:30-9:15 **Keynote 5:** Neal Pollock: Cold Water Diving and Rebreathers

9:15-9:30 The Effect of Extended Hyperoxic Environment on Lung Function and Myopization in Closed-Circuit Diving Expedition by Sokolowski S et al

9:30-9:45 The Cardiac Changes During a Prolonged Diving Stress on a CCR Diving Expedition by Sokolowski S et al

9:45-10:00 Epidemiological assessment of technical diving accidents in France: a 15-year retrospective study by Gouin E et al

10:00-10:15 Cold Water and External Ear Canal Exostosis: Myth or Reality? by Sousa Telles S et al

10:15-10:30 Discussion

10:30-11:00 Coffee Break

**11:00-13:00 Scientific session 6**

11:00-11:15 Hypercapnia awareness training does not improve divers' ability to recognise hypercapnia during a simulated dive by Vrijdag X et al

11:15-11:30 Physiological response to hypoxia in awareness study by van Waart H et al

11:30-11:45 Oxy-Inflammation and neuroplasticity changes during surface-supplied bounce diving by Bosco G et al

11:45-12:00 Underwater forensic investigation of a diving fatality: evaluating the scope and limits of incident reconstruction by Rybarova V et al.

12:00-12:15 A case report of Takotsubo cardiomyopathy triggered by a diving incident by Brosnan K et al

12:15-12:30 Discussion

12:30-14:00 Lunch and poster sessions

**14:00-16:00 Scientific session 7**

14:00-14:45 **Keynote 6:** Peter Lindholm: Freediving

14:45-15:00 Can a laboratory-based static apnea ramp test predict dynamic freediving desaturation? by Schagatay E et al

15:00-15:15 Dry Static Apnea Ramp Test to identify freedivers at risk of faster oxygen desaturation by Pernett F et al

15:15-15:30 Can Heart Rate Variability be an indicator of stress and recovery in repeated freediving? by Pernet F et al

15:30-15:45 Heart rate and oxygen saturation during a blackout in dynamic apnea: A case study by Mulder E et al

15:45-16:00 Discussion

16:00-16:30 Coffee break

**16:30-18:00 Scientific session 8**

16:30-16:45 Self-test involving three-maximal apneas predicts sustainable serial diving time in beginner freedivers by Schagatay E et al

16:45-17:00 A platform for logging and real-time monitoring of physiological parameters of breath-hold divers by Binder M et al

17:00-17:15 Using Lactate in a Dynamic Apnea Ramp Test (DART) to Assess Performance in Trained Freedivers by Löfquist I et al

17:15-17:30 The 1:2 Pacing Strategy for Safe Repetitive Freediving: Assessing Oxygen Dynamics and Blackout Risk by Pernet F et al.

17:30-18:00 Discussion

19:00-23:30 Gala Dinner at Restaurant Sipuli

Saturday Sept 6; 2025

8:30-9:00 Registration

**9:00-11:00 Scientific Session 10**

9:00-9:30 **Keynote 7:** Edward Stockdale: Training of Scientific Divers for Polar Expeditions

9:30-9:45 A scoping review on the use of artificial intelligence (AI) applications in diving medicine Chow W et al

9:45-10:00 The Comparison of Hyperbaric Oxygen Therapy Protocols Against Ischemia-Reperfusion Injury in Rats After Testicular Torsion by Ozgok Kangal M et al

10:00-10:15 Acute Pulmonary Edema Related to aquatic activities: A Retrospective Analysis from a Diving Medicine Center by Garcia E et al

10:15-10:30 The effects of hyperbaric oxygenation on oxidative stress after acute physical activity exposure by Kovacevic S et al

10:30-10:45 Wound healing results of diabetic foot ulcers with HBOT: a longitudinal retrospective cohort study by Lalieu R et al

10:45-11:00 Discussion

11:00-11:30 Coffee break

**11:30-12:30 EUBS General Assembly**

12:30 Closing the EUBS 2025 Annual Meeting

13:00-16:00 DAN Diver's Day