A 1: Astrocyte-derived microparticles initiate a neuroinflammatory cycle due to carbon monoxide poisoning  
ORAL PRESENTATION TIME: Monday, May 23: 1500-1510  
POSTER PRESENTATION TIME: Tuesday, May 24: 1500-1530  
RESIDENT COMPETITION: No  
Presenting Author: Stephen R Thom MD  
sthom@som.umaryland.edu

A 2: Oxidative stress after administration of oxygen at different pressures and concentrations  
ORAL PRESENTATION TIME: Tuesday, May 24: 1400-1410  
POSTER PRESENTATION TIME: Tuesday, May 24: 1500-1530  
RESIDENT COMPETITION: No  
Presenting Author: Enrico Camporesi MD  
ecampore@usf.edu

A 3: Hyperbaric oxygen induced overexpression of coronaviral and influenza viral entry genes and toll-like receptor pathway genes and may exacerbate virus-associated cytokine storm in COPD airway epithelial cells  
ORAL PRESENTATION TIME: n/a  
POSTER PRESENTATION TIME: Tuesday, May 24: 1500-1530  
RESIDENT COMPETITION: Yes  
Presenting Author: Yu-Ming Li MD  
ndmctsgh1114@gmail.com

A 4: GABA and oxidative brain injury  
ORAL PRESENTATION TIME: n/a  
POSTER PRESENTATION TIME: Tuesday, May 24: 1500-1530  
RESIDENT COMPETITION: No  
Presenting Author: Heath G. Gasier PhD  
heath.gasier@duke.edu

A 5: Finding the beneficial targeted hyperbaric oxygen treatment pressure in acute carbon monoxide poisoning in a rat model  
ORAL PRESENTATION TIME: n/a  
POSTER PRESENTATION TIME: Tuesday, May 24: 1500-1530  
RESIDENT COMPETITION: No  
Presenting Author: Ji Yong Lee PhD  
hope9294@hanmail.net

A 6: Theranostic potential of ultrasound-stimulated phase-change contrast agents to eradicate methicillin-resistant Staphylococcus aureus biofilm infections in a diabetic wound model  
ORAL PRESENTATION TIME: n/a  
POSTER PRESENTATION TIME: Tuesday, May 24: 1500-1530  
RESIDENT COMPETITION: No  
Presenting Author: Virginie Papadopoulou PhD  
papadopoulou@unc.edu
A 7: Hyperbaric oxygen therapy does not alleviate tourniquet-induced acute ischemia-reperfusion injury in mouse skeletal muscles
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: Jeffrey S. Cooper MD
jeffrey.cooper@unmc.edu

A 8: Increase in venous [K+] during hyperbaric exposure independent of changes in pH or O2 concentration
WITHDRAW

B 9: Retrospective cohort study of thyroid, bowel, and autoimmune diseases after carbon monoxide poisoning
ORAL PRESENTATION TIME: Monday, May 23: 1630-1640
POSTER PRESENTATION TIME: Tuesday, May 24: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: Lindell Weaver MD
lindell.weaver@imail.org

B 10: Determining the recovery rate of hearing thresholds across audiometric frequencies with use of hyperbaric oxygen treatment
ORAL PRESENTATION TIME: Monday, May 23: 1640-1650
POSTER PRESENTATION TIME: Tuesday, May 24: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: Nicole P. Harlan MD
nicole.p.harlan@hitchcock.org

B 11: A cardiovascular strategy for management of carbon monoxide-poisoned patients
ORAL PRESENTATION TIME: Monday, May 23: 1650-1700
POSTER PRESENTATION TIME: Tuesday, May 24: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: Susan Churchill NP
susan.churchill@imail.org

B 12: Hyperbaric oxygen treatment appears to be safe for patients with severe COVID-19 and moderate ARDS: Interim safety results from the clinical trial COVID-19-HBO2
ORAL PRESENTATION TIME: Monday, May 23: 1700-1710
POSTER PRESENTATION TIME: Tuesday, May 24: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: Anders Kjellberg MD
anders.kjellberg@ki.se

B 13: Retrospective analysis of radiation cystitis: Mortality and transfusion requirements with and without hyperbaric oxygen
ORAL PRESENTATION TIME: Monday, May 23: 1710-1720
POSTER PRESENTATION TIME: Tuesday, May 24: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: Kayla Deru
kayla.d eru@imail.org
B 14: Hyperbaric oxygen therapy for the treatment of perianal fistulas in 20 patients with Crohn's disease: Results of the HOT-TOPIC trial after one-year follow-up
ORAL PRESENTATION TIME: Monday, May 23: 1720-1730
POSTER PRESENTATION TIME: Tuesday, May 24: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: CA Lansdorp MD
n.lansdorp@amsterdamumc.nl

B 15: Oxygen dose: A new perspective
ORAL PRESENTATION TIME: Monday, May 23: 1510-1520
POSTER PRESENTATION TIME: Tuesday, May 24: 1500-1530
RESIDENT COMPETITION: Yes
Presenting Author: Kent MacLaughlin MD
kmaclaughlin@pediatrics.wisc.edu

B 16: D-dimer elevations with acute carbon monoxide poisoning
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: Nina Davis ACNP/PA
nina.davis@imail.org

B 17: Prognostic biomarkers of mitochondrial and oxidative stress in acute carbon monoxide poisoning: Prospective hyperbaric oxygen therapy intervention study
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: Yong Sung Cha MD
emyscha@yonsei.ac.kr

B 18: A systematic review of iatrogenic air gas embolisms
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1500-1530
RESIDENT COMPETITION: Yes
Presenting Author: Shaughnelene Smith
hltanaka@health.ucsd.edu

B 19: Maternal exposure to hyperbaric oxygen during early gestation decreased the OCT4-expressing inner cell mass whereas increased the Cdx2-expressing trophectoderm in mouse embryos via Nrf2-Notch1 upregulation And Nf2-Yap downregulation
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1500-1530
RESIDENT COMPETITION: Yes
Presenting Author: Jeremy Yung-Yu Yang MD
jeremy8446@gmail.com
ASBTRACT SCHEDULE

B 20: Hyperbaric oxygen therapy improves symptoms, brain's microstructure and functionality in veterans with treatment-resistant post-traumatic stress disorder
ORAL PRESENTATION TIME: Wednesday, May 25: 1120-1130
POSTER PRESENTATION TIME: Monday, May 23: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: Keren Doenyas-Barak MD
kerendoenyas@gmail.com

B 21: Five-year retrospective review of carbon monoxide poisonings treated with hyperbaric oxygen
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1500-1530
RESIDENT COMPETITION: Yes
Presenting Author: Isaac Lefebvre
isaac.lefebvre.1@ulaval.ca

B 22: Hyperbaric oxygen for stereotactic radiotherapy-related radiation necrosis
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: Geoff Zbitnew MD
gzbitnew@mun.ca

B 23: Reduced globus pallidus area following carbon monoxide poisoning
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: Hao Luong
hluang2@student.touro.edu

B 24: Compassionate use of hyperbaric oxygen therapy as an adjunct treatment for COVID-19 with severe acute respiratory distress syndrome: A retrospective case series of 15 patients
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1500-1530
RESIDENT COMPETITION: Yes
Presenting Author: Arthur R. Salvador MD
arthurrobillosalvadormd@gmail.com

B 25: Report of the International Multicenter Registry for Hyperbaric Oxygen Therapy: Results through March 2022
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1500-1530
RESIDENT COMPETITION:
Presenting Author: Nicole P. Harlan MD
nicole.p.harlan@hitchcock.org
B 26: Association between DTI and MR spectroscopy findings months to years after carbon monoxide poisoning
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: Thomas George
tgeorge5@student.touro.edu

B 27: A hoax refuted: The 1.4-ATA hyperbaric treatment for chronic ulcers
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1500-1530
RESIDENT COMPETITION: Yes
Presenting Author: Ram Sack MD
sackram@gmail.com

B 28: Mass casualty carbon monoxide poisoning in a Spanish-speaking population resulting in some with lasting sequelae
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: Mariesa Norton, NP
mariesa.norton@imail.org

B 29: Hyperbaric oxygen for post SARS-CoV-2 problems
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: Lindell Weaver MD
kayla.duru@imail.org

B 30: Characteristics of patients with carbon monoxide poisoning due to smoke inhalation and pre-hospital factors related to intensive care unit admission of these patients
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1500-1530
RESIDENT COMPETITION: No
Presenting Author: Sungmin Lee MD
magicwizard2@hanmail.net

B 31: Under pressure: A case study of violence while at depth in the hyperbaric chamber
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1700-1730
RESIDENT COMPETITION: No
Presenting Author: Janelle Jones and Missy Schroeder
elizabeth.cipra@umm.edu
C 32: Gas bubble mechanics in the spinal cord  
ORAL PRESENTATION TIME: Tuesday, May 24: 1410-1420  
POSTER PRESENTATION TIME: Monday, May 23: 1700-1730  
RESIDENT COMPETITION: No  
Presenting Author: Jens-Christian Meiners PhD  
meiners@umich.edu  

C 33: Decompression sickness rates in underwater divers utilizing air surface decompression versus oxygen surface decompression  
ORAL PRESENTATION TIME: Tuesday, May 24: 1420-1430  
POSTER PRESENTATION TIME: Monday, May 23: 1700-1730  
RESIDENT COMPETITION: No  
Presenting Author: Christine Lee  
christinelee287@gmail.com  

C 34: Capsule Project : a physiological survey during 3 days of shallow saturation dives in a very limited space  
ORAL PRESENTATION TIME: Tuesday, May 24: 1430-1440  
POSTER PRESENTATION TIME: Monday, May 23: 1700-1730  
RESIDENT COMPETITION: No  
Presenting Author: Emmanuel Dugrenot PhD  
manudugrenot@tek-diving.fr  

C 35: SWEN 21 the approach to suggest new air dive tables for the Swedish Armed Forces  
ORAL PRESENTATION TIME: Tuesday, May 24: 1440-1450  
POSTER PRESENTATION TIME: Monday, May 23: 1700-1730  
RESIDENT COMPETITION: Yes  
Presenting Author: Marten Silvanius  
marten.silvanius@bth.se  

C 36: On comparing and matching different venous gas emboli assessment scales  
ORAL PRESENTATION TIME: n/a  
POSTER PRESENTATION TIME: Monday, May 23: 1700-1730  
RESIDENT COMPETITION: Yes  
Presenting Author: Joshua Currens  
jcurrens@unc.edu  

C 37: Risk assessment of SWEN21 a suggested new dive tables for the Swedish armed forces: Bubble scores by ultrasonography  
ORAL PRESENTATION TIME: n/a  
POSTER PRESENTATION TIME: Monday, May 23: 1700-1730  
RESIDENT COMPETITION: Yes  
Presenting Author: Carl Hjelte MD  
carl_hjelte@hotmail.com
C 38: Diving into decompression sickness-resistant rats gene expression through a miRNome/transcriptome crossed approach
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1700-1730
RESIDENT COMPETITION: No
Presenting Author: Emmanuel Dugrenot PhD
manudugrenot@tek-diving.fr

C 39: Heart rate detection in post-dive Doppler ultrasound audio recordings
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1700-1730
RESIDENT COMPETITION: Yes
Presenting Author: Andrew Hoang
ahhoang@ncsu.edu

C 40: Matching web-based frames to original frames: A workaround for the inconsistent rendering of frames on the Decobubbles website
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1700-1730
RESIDENT COMPETITION: Yes
Presenting Author: Alexander Yalcin
ayalcin@live.unc.edu

C 41: Comparison of ultrasonic bubble scores from a handhold self-positioned Doppler product with 2D cardiac bubble scores
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1700-1730
RESIDENT COMPETITION: Yes
Presenting Author: Oscar Plogmark MD
o_plogmark@hotmail.com

C 42: Underwater ultrasonic imaging of microbubbles for real-time control of decompression procedures using wearable CMUT arrays
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1700-1730
RESIDENT COMPETITION: No
Presenting Author: Virginie Papadopoulou PhD
papadopoulou@unc.edu

C 43: Evaluation of the cross correction method for different diving decompression methods at 5000 ALTFT
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1700-1730
RESIDENT COMPETITION: No
Presenting Author: Michael Gernhardt PhD
michael.l.gernhardt@nasa.gov
C 44: Separating operator speech from Doppler ultrasound data in audiofiles containing sequential experiments: A speech recognition-based program
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1700-1730
RESIDENT COMPETITION: No
Presenting Author: Arian Azarang PhD
azarang@unc.edu

C 45: Blood pressure in rats selectively bred for their resistance to decompression sickness
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1700-1730
RESIDENT COMPETITION: No
Presenting Author: François Guerrero PhD
francois.guerrero@univ-brest.fr

C 46: Agreement of newer handheld ultrasound devices for post-dive venous gas emboli quantification compared to standard 2D echocardiography
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1630-1700
RESIDENT COMPETITION: Yes
Presenting Author: Kamellia Karimpour
kamellia@live.unc.edu

C 47: Enriched-air/oxygen for pre-flight surface intervals
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1630-1700
RESIDENT COMPETITION: No
Presenting Author: Frauke Tillmans PhD
ftillmans@dan.org

C 48: Inspiring the next generation studying and optimizing human performance under pressure
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1630-1700
RESIDENT COMPETITION: No
Presenting Author: Virginie Papadopoulou PhD
papadopoulou@unc.edu

C 49: Deep learning approaches to automated bubble analysis in post-decompression 2D echocardiography and Doppler audio ultrasound
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1630-1700
RESIDENT COMPETITION: No
Presenting Author: David Q Le
dle4@email.unc.edu
C 50: Gas exchanges in hyperbaric environments: A physiological oxygen-based model of nitrogen saturation/desaturation
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1630-1700
RESIDENT COMPETITION: No
Presenting Author: Michael Theron PhD
michael.theron@univ-brest.fr

D 51: Shared medical and performance challenges in the naval undersea and aerospace operational domains
ORAL PRESENTATION TIME: Tuesday, May 24: 1450-1500
POSTER PRESENTATION TIME: Monday, May 23: 1630-1700
RESIDENT COMPETITION: No
Presenting Author: Ben D. Lawson PhD
benton.d.lawson.civ@mail.mil

D 52: Evaluations of divers after COVID-19 Infection
ORAL PRESENTATION TIME: Tuesday, May 24: 1500-1510
POSTER PRESENTATION TIME: Monday, May 23: 1630-1700
RESIDENT COMPETITION: No
Presenting Author: Charlotte Sadler MD
csadler@health.ucsd.edu

D 53: DAN looks at longitudinal return to diving and vaccination results from divers with COVID-19 infection
ORAL PRESENTATION TIME: Tuesday, May 24: 1510-1520
POSTER PRESENTATION TIME: Monday, May 23: 1630-1700
RESIDENT COMPETITION: No
Presenting Author: Frauke Tillmans PhD
f tillmans@dan.org

D 54: Chest CT analysis of gas cavities/cysts, emphysematous changes, and bronchiectasis after SARS-CoV-2
ORAL PRESENTATION TIME: Tuesday, May 24: 1400-1410 (combined with D58)
POSTER PRESENTATION TIME: Monday, May 23: 1630-1700
RESIDENT COMPETITION: No
Presenting Author: Lindell Weaver MD
lindell.weaver@imail.org

D 55: Cognitive and hysiologic findings in healthy volunteers developing CNS O₂ toxicity
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1630-1700
RESIDENT COMPETITION: No
Presenting Author: Bruce Derrick MD
bruce.derrick@duke.edu
D 56: Rehydrating after prolonged cold-water immersion maintains thermoregulation during a 60-minute weighted ruck march in a warm environment
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1630-1700
RESIDENT COMPETITION: No
Presenting Author: Courtney Wheelock
cwheeloc@buffalo.edu

D 57: Inland decompression sickness at a 24/7 DAN hyperbaric facility: A descriptive analysis
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1630-1700
RESIDENT COMPETITION: Yes
Presenting Author: Khalid Hararah MD
hararahmd@gmail.com

D 58: Prevalence of underlying gas cavities/cysts, emphysematous changes, and bronchiectasis by chest computed tomography
ORAL PRESENTATION TIME: Tuesday, May 24: 1400-1410 (combined with D54)
POSTER PRESENTATION TIME: Monday, May 23: 1630-1700
RESIDENT COMPETITION: No
Presenting Author: Lindell Weaver MD
lindell.weaver@imail.org

D 59: Preliminary evidence that resting spleen volume is related to the magnitude of apnea-induced increases in total hemoglobin mass in humans without a history of breath-hold diving
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1630-1700
RESIDENT COMPETITION: No
Presenting Author: Zachary J. Schlader PhD
zschlade@iu.edu

D 60: Reversal of altitude acclimatization and recurrence of acute mountain sickness following a high-PO2 dive at 15,000 feet of altitude
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Monday, May 23: 1630-1700
RESIDENT COMPETITION: Yes
Presenting Author: Timothy Beck
timothy.beck@duke.edu

D 61: The ventilatory response to carbon dioxide in novice rebreather divers increased after a 20 week dive training course
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1400-1430
RESIDENT COMPETITION: Yes
Presenting Author: Lars Ekman MD
larsstyrbjorn13@gmail.com
D 62: The effect of arterial bubbles on cerebral autoregulation in humans
ORAL PRESENTATION TIME: Tuesday, May 24: 1410-1420
POSTER PRESENTATION TIME: Tuesday, May 24: 1400-1430
RESIDENT COMPETITION: No
Presenting Author: Simon Mitchell MD
sj.mitchell@auckland.ac.nz

D 63: COVID-19 complications in Mumbai saturation divers
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1400-1430
RESIDENT COMPETITION: No
Presenting Author: Kenneth M. LeDez MD
hyperbaricmedicinespecialist@gmail.com

D 64: Arterial blood gas measurements during deep open-water breath-hold dives
ORAL PRESENTATION TIME: Tuesday, May 24: 1420-1430
POSTER PRESENTATION TIME: Tuesday, May 24: 1400-1430
RESIDENT COMPETITION: Yes
Presenting Author: Tom Scott MD
tkmscott@gmail.com

D 65: Classifying physiological response of the middle-ear using otoscopy after submarine escape tower training (SETT)
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1400-1430
RESIDENT COMPETITION: No
Presenting Author: Thijs Wingelaar MD
tt.wingelaar@mindef.nl

D 66: A final update on pulmonary edema in special operations assessments at Hurlburt Field: A look inside U.S. Air Force Special Warfare
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1400-1430
RESIDENT COMPETITION: No
Presenting Author: H. Leo Tanaka MD
hltanaka@health.ucsd.edu

D 67: Inhibiting aluminum scuba cylinder corrosion via sacrificial magnesium anodes: A countermeasure to decrease diving accidents
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1400-1430
RESIDENT COMPETITION: No
Presenting Author: Derek Covington MD
derek.covington@gmail.com
D 68: Uhthoff’s phenomenon after CNS DCI
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1400-1430
RESIDENT COMPETITION: No
Presenting Author: Kenneth M LeDez MD
hyperbaricmedicinespecialist@gmail.com

D 69: Deep rebreather dive results in high-grade venous gas emboli arterialization without clinical decompression sickness symptoms
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1400-1430
RESIDENT COMPETITION: No
Presenting Author: Frauke Tillmans PhD
ftillmans@dan.org

D 70: Spontaneous pneumomediastinum with pneumorachis after diving: Air around the spinal cord
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1400-1430
RESIDENT COMPETITION: Yes
Presenting Author: Daniel J Cox MD
djc63@duke.edu

D 71: Rebreather divers’ responses to hyperalkaline hydroxide ingestion and aspiration (‘caustic cocktail’) events
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1400-1430
RESIDENT COMPETITION: No
Presenting Author: Frauke Tillmans PhD
ftillmans@dan.org

D 72: Efficiency of a 24-hour on-call system for early recompression therapy for acute decompression sickness
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1400-1430
RESIDENT COMPETITION: No
Presenting Author: Se hyun Oh MD
emosh89@naver.com

D 73: Proposed novel severity scale for freediving-related incidents
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1400-1430
RESIDENT COMPETITION: No
Presenting Author: Juan M Valdivia Valdivia MD FAANS MD
janivaldivia@gmail.com
D 74: Common carotid artery hemodynamics during cool water immersion are similar to thermoneutral water immersion
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1400-1430
RESIDENT COMPETITION: No
Presenting Author: Blair D. Johnson PhD
bj33@indiana.edu

D 75: Physiology of pulmonary B-lines in NASA NBL divers
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1400-1430
RESIDENT COMPETITION: No
Presenting Author: Robert W. Sanders MD
robert.w.sanders@nasa.gov

D 76: An echo from the past: A Doppler repository for big data in diving research
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1430-1500
RESIDENT COMPETITION: No
Presenting Author: S. Lesley Blogg PhD
slblogg@hotmail.com

D 77: Neurocognitive performance during recreational lobster harvesting dives
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1430-1500
RESIDENT COMPETITION: No
Presenting Author: Stefanie D. Martina
smartina@dan.org

D 78: Effect of short-term nutritional ketosis on latency to CNS O2 toxicity
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1430-1500
RESIDENT COMPETITION: No
Presenting Author: Bruce J. Derrick MD
bruce.derrick@duke.edu

E 79: High oxygen tension takes its toll: Disparate effects of hyperbaric oxygen and hyperoxia on viral entry gene and toll-like receptor pathway gene expression in normal and COPD-diseased human airway epithelial cells
ORAL PRESENTATION TIME: Tuesday, May 24: 1520-1530
POSTER PRESENTATION TIME: Tuesday, May 24: 1430-1500
RESIDENT COMPETITION: Yes
Presenting Author: Yu-Chia Tsao RRT
revolution280@gmail.com
E 80: Hyperbaric oxygen exposure disparately affects lineage-specific and apoptosis-associated marker expression in differentiated normal and COPD-diseased human bronchial epithelial cells
ORAL PRESENTATION TIME: Wednesday, May 25: 1100-1110
POSTER PRESENTATION TIME: Tuesday, May 24: 1430-1500
RESIDENT COMPETITION: Yes
Presenting Author: Fang-Chang Lin STUDENT
a0935247196@gmail.com

E 81: Quantification of indications received at two emergency-capable hyperbaric medicine centers
ORAL PRESENTATION TIME: Wednesday, May 25: 1110-1120
POSTER PRESENTATION TIME: Tuesday, May 24: 1430-1500
RESIDENT COMPETITION: No
Presenting Author: Michael Tom MD
mtom5690@gmail.com

E 82: The ZOLL Z-Vent ventilator for hyperbaric chambers
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1430-1500
RESIDENT COMPETITION:
Presenting Author: Gregory J. Brown CHT
gregbrown164@gmail.com

E 83: Recruitment and retention outcomes in a study on hyperbaric oxygen for persistent symptoms after brain injury
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1430-1500
RESIDENT COMPETITION: No
Presenting Author: Rosemary Ziemnik
rosemary.ziemnik@imail.org

E 84: Wireless point-of-care ultrasound in a multiplace hyperbaric chamber
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1430-1500
RESIDENT COMPETITION: No
Presenting Author: H. Leo Tanaka MD
htanaka@health.ucsd.edu

E 85: Safely reduce oxygen costs without compromising patient safety
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1430-1500
RESIDENT COMPETITION: No
Presenting Author: Jeffrey Mosteller CHT
jeff@oxfordrecoverycenter.com
E 86: Pneumatic device from respiratory care equipment to assist patients with middle ear pressure equalization
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1430-1500
RESIDENT COMPETITION: No
Presenting Author: Fredric Ashton RRT
fred.ashton@imail.org

E 87: Pneumatic device to assist patients with middle ear pressure equalization
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1430-1500
RESIDENT COMPETITION: No
Presenting Author: Geness Koumandakis RRT
geness.koumandakis@imail.org

F 88: Electroencephalogram functional connectivity is sensitive for nitrogen narcosis in air breathing at 608 kPa
ORAL PRESENTATION TIME: Wednesday, May 25: 1400-1410
POSTER PRESENTATION TIME: Tuesday, May 24: 1430-1500
RESIDENT COMPETITION: No
Presenting Author: Xavier Vrijdag PhD
x.vrijdag@auckland.ac.nz

F 89: Comparison between arterial blood gases, SpO₂ and ORI in a scuba diver breathing air
ORAL PRESENTATION TIME: Wednesday, May 25: 1410-1420
POSTER PRESENTATION TIME: Tuesday, May 24: 1430-1500
RESIDENT COMPETITION: No
Presenting Author: Enrico Camporesi MD
campore@usf.edu

F 90: Hyperbaric oxygen for two fighter pilots with brain injury, gas embolism and hypoxia years after the events
ORAL PRESENTATION TIME: n/a
POSTER PRESENTATION TIME: Tuesday, May 24: 1430-1500
RESIDENT COMPETITION: No
Presenting Author: Lindell Weaver, MD
lindell.weaver@imail.com