

## Abstracts Not Presented

Every year, there are abstracts that could not be presented at our annual meeting for a variety of reasons. The fact that the abstracts were printed in the March 2019 issue of *Aerospace Medicine and Human Performance* does not guarantee that they were presented, only that they were accepted for presentation. It is important to remember that if an abstract was not presented, it should not be referenced. A total of 32 abstracts out of a possible 464 were not presented (~7%).

The following abstracts were withdrawn or not presented:

### [61] CONSUMPTION OF NON-ALCOHOLIC BEVERAGES IN RELATION TO DENTAL EROSION

Leon Dychter

*Dental College of Rosarito, Tijuana, Mexico*

### [65] A COMPARISON OF HYPOXIA TRAINING AT 7000m AND 7500m

Xiaopeng Liu, Dongqing Wen, Lei Tu, Jingbing Wu, Zhao Gu, Guiyou Wang, Lihao Xue, Weiru Shi, Lihua Yu, Yan Zhang

*Institute Of Aviation Medicine Of China, Beijing, China*

### [66] PHYSIOLOGICAL AND BEHAVIORAL FACTORS THAT AFFECT HYPOXIA TOLERANCE

Barak Gordon, Asaf Glass, Uri Eliyahu, Idan Nakdimon, Anna Levkovsky, Shani Sarfati

*Aero-Medical Center, Israeli Air Force and the Medical Corps, Israeli Defense Forces, Tel Hashomer, Israel*

### [76] WILSON DISEASE IN A MILITARY HELICOPTER PILOT: A CASE REPORT

Yael Frenkel-Nir, Tom Kotler, Barak Gordon

*Aero-Medical Center, Israeli Air Force and the Medical Corps, Israeli Defense Forces, Tel Hashomer, Israel*

### [97] THE EFFECT OF BARODONTALGIA ON THE DENTAL HEALTH OF FLIGHT PERSONNEL

Leon Dychter

*College of Dental Surgeons of Rosarito, Mexico*

### [132] INCIDENCE OF ALTITUDE DECOMPRESSION SICKNESS (DCS) AMONG AIRCREW IN HYPOBARIC HYPOXIA TRAINING

Erdinc Ercan, Abdurrahman Engin Demir, Eda Sabaner

*University of Health Sciences, Eskisehir, Turkey*

### [168] IMPACT OF 24 HOURS ISOLATION AND CONFINEMENT EXPOSURE (ICE) ON PSYCHOLOGICAL STATE OF HEALTHY HUMAN VOLUNTEERS

SUDHANSHU MOHAPATRA

*Institute of Aerospace Medicine, Bengaluru, India*

### [182] DYNAMIC RESPONSE INDEX IN UNDERBODY BLAST AND AIRCRAFT EJECTION – INTERFACE RESEARCH IN BIOENGINEERING

Edward Spurrier<sup>1</sup>, Jon Clasper<sup>2</sup>, Spyros Masouros<sup>2</sup>

<sup>1</sup>Royal Air Force, Birmingham, United Kingdom; <sup>2</sup>Royal British Legion Centre for Blast Injury Studies, London, United Kingdom

### [209] TRANSGENDER AND MILITARY AVIATION: TO WAIVE OR NOT TO WAIVE: A CASE REPORT

William Nguyen, Benjamin Childers

*Naval Aerospace Medical Institute, Pensacola, FL, USA*

### [218] EVOLVING TECHNOLOGIES FOR BEYOND EARTH ORBIT MISSIONS TO THE MOON, MARS, BASED UPON PAST AND CURRENT LESSONS LEARNED AND TECHNOLOGY DEVELOPMENTS

Dwight Holland

*Human Systems Engineering Associates, Roanoke, VA, USA*

### [247] HYPOXIA INCREASES BLOOD METABOLITES LACTATE AND SUCCINATE

Meghan Makley<sup>1</sup>, Matthew Funke<sup>2</sup>, Todd Seech<sup>2</sup>, Isai Sibomana<sup>3</sup>, Elaine Merrill<sup>4</sup>

<sup>1</sup>711 Human Performance Wing, Wright-Patterson AFB, OH, USA; <sup>2</sup>Naval Medical Research Unit-Dayton, Biomedical Sciences, Wright-Patterson AFB, OH, USA;

<sup>3</sup>Consortium of Universities of the Washington, DC Metropolitan Area, Wright-Patterson AFB, OH, USA; <sup>4</sup>Molecular Mechanisms Branch, Human-Centered ISR Division, Wright-Patterson AFB, OH, USA

### [256] IN-EAR PULSE OXIMETRY FOR IN-FLIGHT PHYSIOLOGICAL MONITORING

Derek Wibben

*US Air Force, Armed Forces – Pacific, Kadana Air Base, Japan*

### [267] 5th GENERATION AIRCRAFT ANTI-G-STRAINING MANEUVER (AGSM) HEAD-UP DISPLAY (HUD) ASSESSMENT PROGRAM CHALLENGES

Thomas Massa

*U.S. Air Force, Yorktown, VA, USA*

### [276] WHAT YOU NEED TO KNOW ABOUT THE BALDRIGE EXCELLENCE FRAMEWORK TO MONITOR AEROSPACE MEDICINE OPERATIONAL EXCELLENCE

Mary Ann Orzech

*Retired USAF, Albuquerque, NM, USA*

### [289] ENVIRONMENTAL AND OCCUPATIONAL HEALTH CHALLENGES DURING THE INTRODUCTION OF THE F35 LIGHTNING INTO UK SERVICE

Gareth Bean

*Royal Air Force, RAF High Wycombe, United Kingdom*

### [312] NEUROCISTICERCOSIS A NEW HAZARD FOR AIRLINE PILOTS?

David Schall

*FAA, Oklahoma City, OK, USA*

### [329] TRAINING PEOPLE HOW TO ACT DELIBERATELY IN EACH MOMENT PROMOTES LONG - DURATION MISSION SUCCESS: BEHAVIOURAL SCIENCE TO INCREASE PERFORMANCE

Karoly Schlosser

*Goldsmiths, University of London, London, United Kingdom*

### [331] IT STARTED WITH FATIGUE ... AIRLINE PILOTS MENTAL HEALTH AND WELLBEING UNDER PRESSURE

Marion Venus

*University of Bern, Inst. for Clinical Psychology & Venus Aviation Research and Training, Zurich, Switzerland, Zurich, Switzerland*

### [340] INCREASED INTRAOCULAR PRESSURE DURING EXTENDED-DURATION SHUTTLE MISSIONS IN GLAUCOMA AS WELL AS OCULAR NORMOTENSIVE AND HYPERTENSIVE CREWMEMBERS

Vignesh Ramachandran<sup>1</sup>, Sawan R. Dalal<sup>1</sup>, Francis K. Manuel<sup>2</sup>, Jeffrey A. Jones<sup>1</sup>

<sup>1</sup>Center for Space Medicine, Baylor College of Medicine, Houston, TX, USA;

<sup>2</sup>Department of Ophthalmology, Baylor College of Medicine, Houston, TX, USA

### [346] NASA HUMAN FACTORS PROGRAM

Nick Kiriokos

*NASA, Tehachapi, CA, USA*

### [368] AEROSPACE MEDICAL ASSOCIATION AIR TRAVEL MEDICAL GUIDELINES: DECOMPRESSION SICKNESS UPDATE

Lance Nussbaum

*USAF School of Aerospace Medicine, Wright-Patterson AFB, OH, USA*

### [377] WHAT CAN BE LEARNED THROUGH A COMPREHENSIVE APPROACH OF CARDIOVASCULAR RESPONSES TO MICROGRAVITY SIMULATION IN LOWER-LIMB AMPUTEES?

Thais Russomano<sup>1</sup>, Marcelo Balestro Pereira<sup>2</sup>, Marcelo Haertel Miglirona<sup>2</sup>

<sup>1</sup>King's College London, London, United Kingdom; <sup>2</sup>Cardiovascular Imaging Research and Innovation Core Lab Institute of Cardiology/University Foundation of Cardiology, Porto Alegre, Brazil

### [384] PULMONARY OXYGEN TOXICITY IN ASTRONAUTS PERFORMING SIMULATED EXTRAVEHICULAR ACTIVITY AT THE NASA NEUTRAL BUOYANCY LABORATORY

Yousef Ahmed<sup>1</sup>, Robert Sanders<sup>2</sup>, Shane Walker<sup>3</sup>

<sup>1</sup>Naval Special Warfare Group One, Coronado, CA; <sup>2</sup>Neutral Buoyancy Lab at NASA's Johnson Space Center, Houston, TX; <sup>3</sup>UCSF, San Francisco, CA, USA

### [402] IMPLEMENTATION OF MULTI-DISCIPLINARY MEDICAL TREATMENTS TO THE EXPLOSIVE ORDNANCE AND DISPOSAL TRAINING

Edward Schmitt<sup>1</sup>, Joshua M. Crowley<sup>2</sup>

<sup>1</sup>Eglin AFB Family Medicine Residency, Eglin AFB, FL; <sup>2</sup>Sheppard AFB, TX, USA

### [405] FOOTWEAR AND THE MANAGEMENT OF COMMON BIOMECHANICAL PROBLEMS AMONGST CABIN CREW

Margaret Grace

*Glasgow Caledonian University, Glasgow, United Kingdom*

### [409] BIRT-HOGG-DUBÉ SYNDROME - IS IT TOO RISKY TO FLY?

Sofya Ilmer

*U.S. Air Force, Tinker AFB, OK, USA*

### [411] INITIAL PRESENTATION OF COAT'S DISEASE IN AN F-22 PILOT: A CASE REPORT

William Van De Car

*U.S. Air Force, Peterson Air Force Base, CO, USA*

### [413] OPTOTENSOMETRY- DEVELOPMENT OF AN OPTIC METHOD FOR MEASURING TUBAL FUNCTION IN A MIDDLE EAR MODEL

Thorsten Zehlicke

*Armed Forces Hospital Hamburg, Hamburg, Germany*

### [429] TRANSLATION OF SPACEFLIGHT RESEARCH ON MICROBIAL BEHAVIOR AND VIRULENCE TO HEALTH AND INDUSTRY

Laurel Kaye

*Yale School of Medicine, Oxford, United Kingdom*

### [440] MOBILE PHYSIOLOGIC LABORATORY (MOBPHYSIOLABTM) INFILDT MONITORING OF SOLDIERS MAINTAINING EMPLOYABILITY, HUMAN PERFORMANCE, AND WELFARE

Andreas Werner<sup>1</sup>, Tanja Drews<sup>2</sup>, Raman Tandon<sup>3</sup>, Karola Hagner<sup>4</sup>

<sup>1</sup>Centre of Aerospace Medicine, Koenigsbrueck, Germany; <sup>2</sup>Aviation Physiology

Training Centre - Diagnostic and Research, Koenigsbrueck, Germany;

<sup>3</sup>Wehrwissenschaftliches Institut für Werk- und Betriebsstoffe GF 330, Erding,

Germany; <sup>4</sup>Wehrwissenschaftliches Institut für Schutztechnologien GF410, Munster, Germany

**[442] BIOMETRIC INDICES OF MENTAL WORKLOAD PREDICT PILOT PERFORMANCE AND ARE SENSITIVE TO VARIATIONS IN TASK DEMANDS**

Kathleen Van Benthem, Chris Herdman  
Carleton University, Ottawa, Ontario, Canada

**[469] THE GROWING ROLE OF NURSE PRACTITIONERS/PHYSICIAN ASSISTANTS IN AEROSPACE MEDICINE ACROSS THE AIR FORCE.**

Christopher Kelly  
42nd MDG, Maxwell AFB, AL, USA

**In addition, there are occasional omissions or errors in authorship of abstracts. This year there were 2 such errata:**

**[111] U.S. CIVIL AVIATION IN 2018**

Charles DeJohn, Richard Greenhaw, add: Michael Ding  
FAA Civil Aerospace Medical Institute, Oklahoma City, OK, USA

**[439] AN AVIATION MODELLED RESET (ROOT CAUSE ANALYSIS EVENT SUPPORT AND ENGAGEMENT TEAM)**

Nicole Powell-Dunford<sup>1</sup>, Stephen Yoest<sup>2</sup>, David Romine<sup>3</sup>, Mark McPherson<sup>4</sup>, add: Steven Gaydos<sup>5</sup>

<sup>1</sup>AMEDD Center and School, San Antonio, TX, USA <sup>2</sup>MEDCOM Quality and Safety Center, San Antonio, TX, USA; <sup>3</sup>U.S. Army Combat and Readiness Center, Ft Rucker, AL, USA <sup>4</sup>HQDA, Office of the Surgeon General, Falls Church, VA; <sup>5</sup>US Army School of Aviation Medicine, Ft. Rucker, AL, USA

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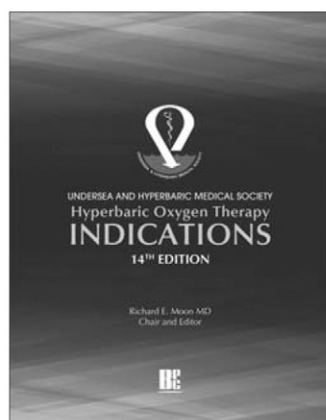
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**SAVE THE DATE!**

**Sept. 24-26, 2020;** 1st International Conference of Aerospace Medicine (ICAM 2020); Paris, France. Abstract submission and registration open 15 Oct. 2019 and the abstract submission deadline is 26 Feb. 2020. For more information, please visit <http://www.icam2020.com/EventPortal/Information/ICAM2020/HOME.aspx>.

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