

# Aerospace Medicine and Human Performance

SEPTEMBER 2018 VOLUME 89 NUMBER 9

## PRESIDENT'S PAGE

### 775 The AsMA Global Connection Story with the FAA

*R. Vermeiren*

## RESEARCH ARTICLES

### 777 White Matter Status of Participants in Altitude Chamber Research and Training

*D. M. Connolly, V. M. Lee, and P. D. Hodkinson*

### 787 Time-Dependent Changes in Cerebral Blood Flow and Arterial Pressure During Mild +G<sub>z</sub> Hypergravity

*T. Konishi, T. Kurazumi, T. Kato, C. Takko, Y. Ogawa, and K. Iwasaki*

### 792 Retrospective Evaluation of Clinical Symptoms Due to Mild Hypobaric Hypoxia Exposure in Microgravity

*J. H. Wessel III, C. M. Schaefer, M. S. Thompson, J. R. Norcross, and O. S. Bekdash*

### 798 G Tolerance During Open- vs. Closed-Loop G-Time Control

*M. Grönkvist, B. Levin, and O. Eiken*

### 805 Functional Task and Balance Performance in Bed Rest Subjects and Astronauts

*C. A. Miller, I. S. Kofman, R. R. Brady, T. R. May-Phillips, C. D. Batson, E. L. Lawrence, L. C. Taylor, B. T. Peters, A. P. Mulvara, A. H. Feiveson, M. F. Reschke, and J. J. Bloomberg*

### 816 Decreased Incidence of Pulmonary Barotrauma After Discontinuation of Emergency Free Ascent Training

*P. Lafère, P. Germonpré, F. Guerrero, A. Marroni, and C. Balestra*

### 822 An Active Suspension System for Mitigating Motion Sickness and Enabling Reading in a Car

*P. DiZio, J. Ekhchian, J. Kaplan, J. Ventura, W. Graves, M. Giovandardi, Z. Anderson, and J. R. Lackner*

### 830 Pilot Decision Making in Weather-Related Night Fatal Helicopter Emergency Medical Service Accidents

*B. B. Aherne, C. Zhang, W. S. Chen, and D. G. Newman*

### 837 Cardiac Inflight Incapacitations of U.S. Airline Pilots: 1995–2015

*C. A. DeJohn, W. D. Mills, W. Hathaway, and J. Larcher*

## SHORT COMMUNICATION

### 842 UK Military Rotary-Wing Accidents: 2000–2015

*A. J. R. Bushby, N. Powell-Dunford, and W. D. Porter*

## CASE REPORT

### 848 Sopite Syndrome Identified in a Student Naval Aviator

*M. S. Gemender, P. C. Sholes, and S. P. Haight*

## FEATURES

### 851 You're the Flight Surgeon—T. A. Netters, Jr.

### 854 This Month in Aerospace Medicine History: August—W. W. Dalitsch III