

# Aerospace Medicine and Human Performance

---

NOVEMBER 2018 VOLUME 89 NUMBER 11

## PRESIDENT'S PAGE

- 939 The AsMA Global Connection Story with IAASM**  
*R. Vermeiren*

## RESEARCH ARTICLES

- 941 A Systemic Review and Meta-Analysis of Decompression Sickness in Altitude Physiological Training**  
*J. Conkin, R. W. Sanders, M. D. Koslovsky, M. L. Wear, A. G. Kozminski, and A. F. J. Abercromby*
- 952 Interaction Between Ambient Temperature, Hypoxia, and Load Carriage on Respiratory Muscle Fatigue**  
*K. Hinde, C. Low, R. Lloyd, and C. Cooke*
- 961 Posturographic Balance's Validity in Mental and Physical Fatigue Assessment Among Cadet Pilots**  
*S. Cheng, J. Sun, J. Ma, W. Dang, M. Tang, D. Hui, L. Zhang, and W. Hu*
- 967 Helicopter Simulator Performance Protection Using the Random Forest Method**  
*H. Bauer, D. Nowak, B. Herbig*
- 976 Selective Auditory Attention and Spatial Disorientation Cues Effect on Flight Performance**  
*R. Lewkowicz, P. Stróżak, B. Balaj, P. Francuz, and P. Augustynowicz*
- 985 Objective Metrics Quantifying Fit and Performance in Spacesuit Assemblies**  
*R. A. Fineman, T. M. McGrath, D. G. Kelty-Stephen, A. F. J. Abercromby, and L. A. Stirling*

## REVIEW ARTICLE

- 996 Respiratory Muscle Training Effects on Performance in Hypo- and Hyperbaria**  
*H. Hess and D. Hostler*

## SHORT COMMUNICATION

- 1002 Aviation Accident Causes Among Sport Pilots as Compared to Class 3 Private Pilots from 2004–2017**  
*J. R. Mulvey*

## CASE REPORTS

- 1005 Non-Arteritic Anterior Ischemic Optic Neuropathy in Pilots**  
*A. G. Distefano and B. L. Lam*
- 1008 F/A-18 Aviator Successfully Returned to Flight After an In-Flight Spontaneous Pneumothorax**  
*H. DeYoung, Y. Ahmed, and J. Buckley*

## FEATURES

- 1013 You're the Flight Surgeon—*T. Elliott***
- 1015 Erratum**
- 1016 Focus on Aerospace Medicine History: Dr. John A. Tamisiea—Founding Pioneer of the Aerospace Medical Association—*M. R. Campbell***
- 1017 Statement of Ownership, Management and Circulation**
- 1018 This Month in Aerospace Medicine History: November—*W. W. Dalitsch III***