

# Aerospace Medicine and Human Performance

Volume 94, Number 3

March 2023

## PRESIDENT'S PAGE

### **Expanding Girls Awareness in Science and Engineering Month**

*S. Northrup*

101

## RESEARCH ARTICLES

### **Hypoxia Altitude Simulation and Reduction of Cerebral Oxygenation in COPD Patients**

*L. Dehe, F. Hohendanner, E. Gültekin, G. Werth, A. Wutzler, and Bender T. O.*

102

### **Typical Cockpit Ergonomics Influence on Cervical Motor Control in Healthy Young Male Adults**

*U. Heggli, J. Swanenburg, L. Hofstetter, M. Häusler, P. Schweinhardt, and D. Bron*

107

### **Temporary Incapacitation Rates and Permanent Loss of Medical License in Commercial Airline Pilots**

*E. Hohmann and R. Pieterse*

113

## REVIEW ARTICLE

### **Extended Reality Applications for Space Health**

*M. Ebnali, P. Paladugu, C. Miccile, S. H. Park, B. Burian, S. Yule, and R. D. Dias*

122

## SHORT COMMUNICATIONS

### **A Regional Approach to Aviation Accident Analysis in Hawaii**

*A. J. de Voogt and J. Brause*

131

### **Lingering Altitude Effects During Piloting and Navigation in a Synthetic Cockpit**

*J. Beer, B. Morse, T. Dart, S. Adler, and P. Sherman*

135

## FEATURES

142     **This Month in Aerospace Medicine History: March—W. W. Dalitsch III**

## AEROSPACE MEDICINE ASSOCIATION NEWS

143     **Meet AMHP's New Editorial Assistant**

143     **Fellows Scholarship Winners**

144     **Member and FAA News**

144     **Jet Companion Becomes a Corporate Member**