

Aerospace Medicine and Human Performance

AUGUST 2019 VOLUME 90 NUMBER 8

PRESIDENT'S PAGE

679 On Prognostics

H. J. Ortega, Jr.

RESEARCH ARTICLES

681 Recurrent Middle Ear Barotrauma in Student Pilots

J. H. Sohn

688 Adaptation of Systemic and Pulmonary Circulation to Acute Changes in Gravity and Body Position

U. Hoffmann, J. Koschate, H-J. Appell Coriolano, U. Drescher, L. Thieschäfer, D. Dumitrescu, and A. Werner

696 Dynamic Rabbit Model of Ear Barotrauma

B. Wang, X. Xu, J. Lin, and Z. Jin

703 Hypertension and Obesity Among Civil Aviation Pilots

K. G. Bhat, N. Verma, P. Pant, and M. P. S. Marwaha

REVIEW ARTICLE

709 Spacecraft Maximum Allowable Concentrations for Manganese Compounds in Mars Dust

A. A. Romoser, V. E. Ryder, and J. T. McCoy

SHORT COMMUNICATIONS

720 Hypoxia Hangover and Flight Performance After Normobaric Hypoxia Exposure in a Hawk Simulator

N. Varis, K. I. Parkkola, and T. K. Leino

725 Space Medicine Training in Canada

A. Sirek, K. Samoil, and M. F. Harrison

TECHNICAL NOTE

730 Cardiovascular Risk Assessment in Pilots

A. Mulloy and A. Wielgosz

COMMENTARY

735 Continuous Glucose Monitoring for In-Flight Measurement of Glucose Levels of Insulin-Treated Pilots

F. Strollo, R. Simons, A. Mambro, G. Strollo, and S. Gentile

LETTER TO THE EDITOR

738 Letter to the Editor re: Instrument Meteorological Conditions Are an Important Determinant of Fatal Accident Risk for Both Day and Night HEMS Operations

FEATURES

740 You're the Flight Surgeon—M. Gear

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

745 Abstracts Not Presented and Changes

AEROSPACE MEDICAL ASSOCIATION NEWS

747 New Officers, Annual Award Winners, and Business Meeting Minutes