

Aerospace Medicine and Human Performance

MAY 2016 VOLUME 87 NUMBER 5

PRESIDENT'S PAGE

- 435 Passing the AsMA Presidency Baton**
K. M. Belland and D. P. Gradwell

RESEARCH ARTICLES

- 436 Sunglass Filter Transmission and Its Operational Effect in Solar Protection for Civilian Pilots**
A. C. Chorley, A. Lyachev, M. P. Higlett, M. Khazova, M. J. Benwell, and B. J. W. Evans
- 443 Biochemical Adaptations in a Slow and Fast Plantarflexor Muscle of Rats Housed in Small Cages**
A. Takemura, R. R. Roy, R. Edgerton, and A. Ishihara
- 449 Carotid and Femoral Artery Intima-Media Thickness During 6 Months of Spaceflight**
P. Arbeille, R. Provost, and K. Zuij
- 454 Vestibular Stimulus and Perceived Roll Tilt During Coordinated Turns in Aircraft and Gondola Centrifuge**
A. Tribukait, A. Ström, E. Bergsten, and O. Eiken
- 464 G Protection When Adding Pressurized Sleeves and Gloves to a Representative G-Suit Ensemble**
T. R. Morgan, U. Balldin, and J. R. Fischer
- 470 Ethanol and Drugs Found in Civil Aviation Accident Pilot Fatalities, 1989–2013**
A. K. Chaturvedi, K. J. Craft, J. S. Hickerson, P. B. Rogers, and D. V. Canfield

REVIEW ARTICLE

- 477 Central Nervous System Oxygen Toxicity and Hyperbaric Oxygen Seizures**
E. P. Manning

CASE REPORTS

- 487 Aortic Root Aneurism Found in a 42-Year-Old Epitomizes the Importance of Auscultation in Routine Exams**
T. R. Fredricks and J. S. Benseler
- 493 North Pole Marathon Laboratory Lessons and Field Success**
M. J. Barwood, H. Burrows, and J. Cessford

TECHNICAL NOTE

- 498 Near-Infrared Spectra in Buccal Tissue as a Marker for Detection of Hypoxia**
M. Amini, J. Hisdal, T. Gjøvaag, N. Kapetanovic, T-E. Strand, J. O. Owe, J. R. Hørthe, and P. Mirtaheri

COMMENTARY

- 505 Pilot Mental Health: Expert Working Group Recommendations—Revised 2015**
Aerospace Medical Association Working Group on Pilot Mental Health

FEATURES

- 508 You're the Flight Surgeon—R. J. Rohrer, A. A. Ostrofe, and R. L. Zenk**
- 510 You're the Flight Surgeon—L. Morgan, N. Arora, and C. Fernelius**
- 513 This Month in Aerospace Medicine History—W. W. Dalitsch III**