

PRESIDENT'S PAGE

The AsMA Global Connection Story via Our GLOC (Global Liaison and Outreach Committee)

R. Vermeiren

427

RESEARCH ARTICLES

Correlation of Cognitive Scores and the Onset of Hypoxia

A. Rajasekar, S. Acharya, B. S. Shender, C. Rorres, L. Hrebien, and M. Kam

429

Acute Cardiovascular, Metabolic, and Muscular Responses to Blood Flow Restricted Rowing Exercise

S. J. Mahoney, N. D. Dicks, K. J. Lyman, B. K. Christensen, and K. J. Hackney

440

Performance, Workload, and Situation Awareness in Manual and Automation-Aided Rendezvous and Docking

X. Du, J. Niu, Y. Zhang, M. Wang, D. Wang, B. Wu, J. Cai, and W. Huang

447

Hemispheric Asymmetries of Cortical Thickness in Civil Aviation Pilots

Y. Cao, C. Qiu, C. Zhao, Y. Zhang, Y. Qi, and S. Li

456

Otitis Media with Effusion in Aircrew Members

J. A. Pinto, H. dos Santos Sobreira Nunes, R. S. dos Santos, A. Cavallini, G. Freitas, D. Knoll, and C. Duarte

462

Risk of Fatigue Among Airline Crew During 4 Consecutive Days of Flight Duty

E. M. Goffeng, A. Wagstaff, K-C. Nordby, A. Meland, L. O. Goffeng, Ø. Skare, D. Lilja, and J-A. S. Lie

466

SHORT COMMUNICATIONS

Cooling to Facilitate Metabolic Suppression in Healthy Individuals

J. C. Rittenberger, K. L. Flickinger, A. Weissman, M. Repine, J. Elmer, F. X. Guyette, and C. W. Callaway

475

Modafinil as a Stimulant for Military Aviators

T. Ooi, S. H. Wong, and B. See

480

Safety Implications of 6-Month vs. 1-Year First-Class Aeromedical Certificates

W. D. Mills and C. A. DeJohn

484

TECHNICAL NOTE

Breath/Blood Alcohol Concentration as an Indicator of Alcohol Use Problems

D. V. Canfield, E. M. Forster, Z-I. Cheong, and J. M. Cowan

488

LETTER TO THE EDITOR

Letter to the Editor re: Selective Auditory Attention and Spatial Disorientation Cues Effect on Flight Performance

492

FEATURES

494 **You're the Flight Surgeon**—*J. L. Shields*

496 **You're the Flight Surgeon**—*J. J. Zhang*

501 **Focus on Aerospace Medicine History: Heinz von Diringshofen: Aeromedical Pioneer**—*Viktor Harsch*

504 **This Month in Aerospace Medicine History: May**—*W. W. Dalitsch III*