

Aerospace Medicine and Human Performance

NOVEMBER 2015 VOLUME 86 NUMBER 11

PRESIDENT'S PAGE

927 Looking Ahead to Atlantic City

K. Belland

RESEARCH ARTICLES

928 Odds Ratio Meta-Analysis and Increased Prevalence of White Matter Injury in Healthy Divers

D. M. Connolly and V. M. Lee

936 Modern Air Combat Developments and Their Influence on Neck and Back Pain in F-16 Pilots

S. J. J. Thoolen and M. H. A. H. van den Oord

942 Development and Validation of the *Cognition Test Battery* for Spaceflight

M. Basner, A. Savitt, T. M. Moore, A. M. Port, S. McGuire, A. J. Ecker, J. Nasrini, D. J. Mollicone, C. M. Mott, T. McCann, D. F. Dinges, and R. C. Gur

953 Solar Eye Protection Practices of Civilian Aircrew

A. C. Chorley, B. J. W. Evans, M. J. Benwell

962 Recurrent and Transient Spinal Pain Among Commercial Helicopter Pilots

K. Andersen, R. Baardsen, I. Dalen, and J. P. Larsen

970 Clinical Markers Associated with Metabolic Syndrome Among Military Aviators

C. Rhee, J. Kim, J.-Y. Kim, E. Chang, S.-Y. Park, W. Lee, and H. Kang

976 Exercise Improves Mood State in Normobaric Hypoxia

Y. Seo, C. Fennell, K. Burns, B. S. Pollock, J. Gunstad, J. McDaniel, and E. Glickman

982 Standardized Exercise Tests and Simulated Terrestrial Mission Task Performance

C. J. Ade, R. M. Broxterman, J. C. Craig, S. J. Schilup, S. L. Wilcox, and T. J. Barstow

SHORT COMMUNICATION

990 Bias from Differential Exposure Measurement Error in a Study of Flight Attendants

C. Y. Johnson and B. Grajewski

CASE REPORTS

994 An Unusual Complication of Barotrauma at Altitude

M. R. Powell, L. D. Hurley, and T. C. Richardson

999 Centrifuge-Simulated Suborbital Spaceflight in a Subject with Cardiac Malformation

R. S. Blue, E. Blacher, T. L. Castleberry, and J. M. Vanderploeg

FEATURES

1004 You're the Flight Surgeon—E. Anderson-Doze

1006 You're the Flight Surgeon—T. W. Woodard

1010 Focus on Aerospace Medicine History—J. B. Charles

1011 Statement of Ownership, Management, and Circulation

1012 This Month in Aerospace Medicine History—W. W. Dalitsch III