

Aerospace Medicine and Human Performance

Volume 92, Number 4

April 2021

PRESIDENT'S PAGE

Aerospace Medicine Research: The Division of Environmental Physiology and the Swedish Aerospace Physiology Centre

C. DeJohn

213

RESEARCH ARTICLES

Prospective Study of White Matter health for an Altitude Chamber Research Program

D. M. Connolly and H. T. Lupa

215

Hyperoxic Effects on Decompression Strain During Alternating High and Moderate Altitude Exposures

R. Ånell, M. Grönkvist, M. Gennser, and O. Eiken

223

Electrical Shock Hazard Severity Estimation During Extravehicular Activity for the International Space Station

D. R. Hamilton

231

Personality Traits That Distinguish Special Operations Female Aircrew

W. Chappelle, A. H. Shadle, R. N. Martinez, L. E. Reardon, T. Goodman, H. Spencer, W. Thompson

240

Heat Strain with Two Different Ventilation Vests During a Simulated 3-Hour Helicopter Desert Mission

M. Grönkvist, I. Mekjavic, U. Ciuha, and O. Eiken

248

Hypoxia-Like Events in UK Typhoon Aircraft from 2008 to 2017

D. M. Connolly, V. M. Lee, A. S. McGowan, and N. D. C. Green

257

REVIEW ARTICLE

Medical Events on Board Aircraft: Reducing Confusion and Misinterpretation in the Scientific Literature

C. Thibeault and A. D. Evans

265

SHORT COMMUNICATION

Aircrew Performance and Safety While Using Protective Masks in Response to Coronavirus Disease

K. M. Cave, A. M. Kelley, K. A. Feltman, J. A. Gerstner, J. L. Stewart, and J. S. Crowley

274

CASE REPORT

Incidental Diagnosis of Swyer-James-MacLeod Syndrome in a Military Pilot

M. F. Harrison and C. T. Cowl

281

FEATURES

286 **This Month in Aerospace Medicine History: April—***W. W. Dalitsch III*