

Aerospace Medicine and Human Performance

JULY 2021 VOLUME 92 NUMBER 7

PRESIDENT'S PAGE

539 2021–2022: Challenges, Equal Opportunities

J. R. DeVoll

RESEARCH ARTICLES

541 Operator's Reliability During Spacecraft Docking Training on Board Mir and ISS

B. Johannes, S. V. Bronnikov, J. A. Bubeev, T. I. Kotrovskaya, D. V. Shastlivtseva, S. Piechowski, H-J. Hoermann, and J. Jordan

550 Repeated Atmospheric Pressure Alteration Effect on the Cochlea in Rats: Experimental Animal Study

S. Eroglu, H. T. Dizdar, R. Cevizci, A. B. Cengiz, S. Ogreden, E. Bulut, S. Ilgezdi, A. Dilci, S. Ustun, S. Sirvanci, O. T. Kaya, D. Bayazit, B. O. Cakir, M. F. Oktay, and Y. Bayazit

556 A Metabolic Intervention for Improving Human Cognitive Performance During Hypoxia

K. Coleman, J. Phillips, M. Sciarini, B. Stubbs, O. Jackson, and D. Kernagis

563 A Bayesian Approach on Investigating Helicopter Emergency Medical Fatal Accidents

R. J. Simonson, J. R. Keebler, and A. Chaparro

570 Reducing Metabolic Cost During Planetary Ambulation Using Robotic Actuation

L. Kluis, N. Keller, H. Bai, N. Iyengar, R. Shepherd, A. Diaz-Artiles

579 Paraglider Reserve Parachute Deployment Under Radial Acceleration

M. Wilkes, G. Long, R. Charles, H. Massey, C. Eglin, and M. J. Tipton

REVIEW ARTICLE

588 Medical Legal Implications When Providing Emergency Care on a Commercial Flight

P. J. de Caprariis and A. Di Maio

SHORT COMMUNICATIONS

593 Fatality and Operational Specificity of Helicopter Accidents on the Ground

A. J. de Voogt, C. Hummel Hohl, and H. Kalagher

597 Adapting Disease Prevention Protocols for Human Spaceflight During COVID-19

E. Petersen, J. M. Pattarini, R. A. Mulcahy, S. B. Beger, M. R. Mitchell, Y. D. Hu, K. N. Middleton, W. Frazier, B. Mormann, H. Esparza, A. Asadi, E. R. Musk, G. Alter, E. Nilles, and A. S. Menon

FEATURES

603 Aerospace Medicine Clinic—*G. Garst and R. Asuquo*

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

607 This Month in Aerospace Medicine History: June—*W. W. Dalitsch III*

608 This Month in Aerospace Medicine History: July—*W. W. Dalitsch III*

AEROSPACE MEDICAL ASSOCIATION NEWS

610 In Memoriam