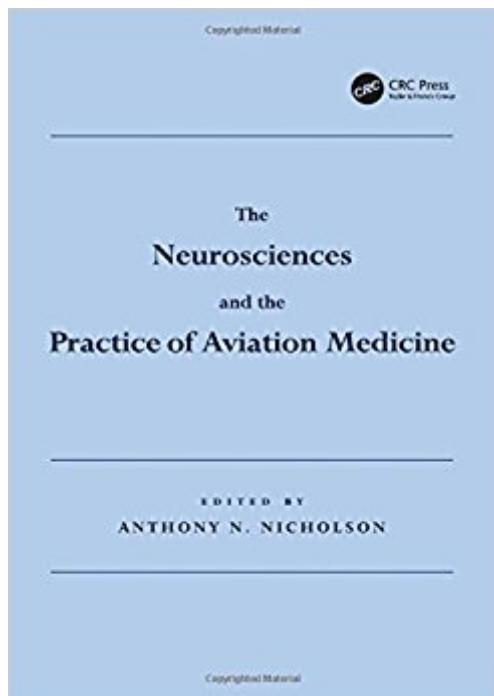


The book was found

The Neurosciences And The Practice Of Aviation Medicine



Synopsis

This book brings the neurosciences to operational and clinical aviation medicine. It is concerned with the physiology and pathology of circadian rhythmicity, orientation, hypotension and hypoxia, and with disorders of the central nervous system relevant to the practice of aviation medicine. The chapters on circadian rhythmicity and orientation deal with the impaired alertness and sleep disturbance associated with desynchrony and with the effects of linear and angular accelerations on spatial awareness. Hypotension and hypoxia cover cerebral function during increased gravitational stress, clinical aspects of exposure to acute hypoxia, the mild hypoxia of the cabin of transport aircraft, adaptation and acclimatization to altitude and decompression at extreme altitudes and in space. Disorders of particular significance to the practice of aviation medicine such as excessive daytime sleepiness, epilepsy, syncope, hypoglycaemia, headache and traumatic brain injury are covered, while neuro-ophthalmology, the vestibular system and hearing also receive detailed attention. The potentially adverse effects of the aviation environment and of disorders of the nervous system are brought together, and the text covers the neurological examination as it relates to aircrew and explores current management and therapeutics. The Neurosciences and the Practice of Aviation Medicine is an essential work for those involved in the practice of aviation medicine where familiarity with the effects of the aviation environment on the nervous system and understanding the pathophysiology of relevant clinical disorders are of prime concern. The authors from leading centres of excellence are physiologists concerned with the aviation environment and physicians involved in the day-to-day practice of medicine. They bring to this authoritative text wide experience and expertise in both the experimental and clinical neurosciences.

Book Information

Hardcover: 524 pages

Publisher: CRC Press; 1 edition (November 28, 2011)

Language: English

ISBN-10: 0754672921

ISBN-13: 978-0754672920

Product Dimensions: 6.8 x 1.5 x 9.8 inches

Shipping Weight: 2.8 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #5,633,199 in Books (See Top 100 in Books) #44 in Books > Textbooks > Medicine & Health Sciences > Medicine > Special Topics > Transportation #98 in Books >

Customer Reviews

'This volume will command interest in the aviation medicine community and find use among aviation medicine specialists, neurologists, physiologists, educators, students, and clinicians.' --Aviation, Space, and Environmental Medicine, Vol. 83, No. 6, June 2012 Clearly the volume will be a must-buy for anyone in the field of aviation medicine. But because hypoxia is an effect of so many common diseases in our ageing population, and because changes in and assessment of alertness are so important in many different situations from driving or operating machinery, to staff working shifts in prisons or intensive care units there are many elements of this book which I am sure will find a much wider readership than just the focus audience. --Physiology News / Summer 2013 / Issue 91

Anthony Nicholson graduated in medicine from the University of Birmingham. He is a Fellow of the Royal Colleges of Physicians of Edinburgh and London and of the Royal College of Pathologists, a Fellow of the Royal Aeronautical Society, an Academician of the International Academy of Aviation and Space Medicine and one time Vice-President of the Aerospace Medical Association. Air Commodore Nicholson was formerly the Commandant and Director of Research of the Royal Air Force Institute of Aviation Medicine, Farnborough, and, lately, the Visiting Professor (Aviation Medicine) at the Centre for Human and Aerospace Physiological Sciences, School of Biomedical Sciences, King's College London.

[Download to continue reading...](#)

The Neurosciences and the Practice of Aviation Medicine Microcomputers in the Neurosciences Flying High: Pioneer Women in American Aviation (Images of Aviation) Glenn H. Curtiss: Aviation Pioneer (Images of Aviation) Aviation Mechanic Handbook: The Aviation Standard Essentials of Aviation Management: A Guide for Aviation Service Businesses FAR-AMT 2018: Federal Aviation Regulations for Aviation Maintenance Technicians (FAR/AMT series) Fiscal Aspects of Aviation Management (Southern Illinois University Press Series in Aviation Manage) Aviation Maintenance Technician: Powerplant (Aviation Maintenance Technician series) How the Art of Medicine Makes the Science More Effective: Becoming the Medicine We Practice (How the Art of Medicine Makes Effective Physicians) Alternative Medicine: Homeopathic Medicine, Herbal Medicine and Essential Oils for Total Health and Wellness Essential Oils for Dogs: 100 Easy and Safe Essential Oil Recipes

to Solve your Dog's Health Problems (Alternative animal medicine, Small mammal Medicine, Aromatherapy, Holistic medicine) Ernsting's Aviation and Space Medicine 5E Clinical Aviation Medicine (3rd Edition) Ernsting's Aviation Medicine, 4E Blackwell Complementary and Alternative Medicine: Fast Facts for Medical Practice (Complementary and Alternative Medicine) Evidence-Based Medicine: How to Practice and Teach It, 4e (Straus, Evidence-Based Medicine) Neonatal Medicine and Surgery, An Issue of Veterinary Clinics: Equine Practice, 1e (The Clinics: Veterinary Medicine) The Principles and Practice of International Aviation Law Aviation Psychology: Practice and Research

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)