SPACE MEDICINE BRANCH REPORT

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Space Medicine Branch Sponsors Meeting Sessions

The Space Medicine Branch will be sponsoring three presentation sessions this year at the upcoming AsMA annual scientific meeting in Reno, Nevada on May 6-10, 2001. These sessions should prove to provide very important and interesting information to the members of our Branch. One of the sessions will be co-sponsored with the AsMA Associate Fellows Group.

Monday, May 7, 10:30 am - noon SOME MEDICAL AND HUMAN FACTORS ISSUES FOR LONG DURATION SPACEFLIGHT

(Co-Sponsoring with the Associate Fellows Group)

Chairs: D. Holland and S. Johnston

Lessons Learned From Shuttle/Mir: Psychological Countermeasures

N. Kanas, et. al.

Factors Concerning Decompression Sickness During Extravehicular Activity on Orbit

M. Powell and J. Dervay

Management of Medical Emergencies During Long Duration Space Missions Using Telemedicine

C. Otto, et. al.

Genetic Prescreening of Astronauts for Long Duration Spaceflight

S. Johnston, et. al.

A New Address in Space - Crew Size and Habitable Volume on ISS

B. Arenare

Radiation Exposures and Operational Constraints Anticipated for Long Duration Flights on the International Space Station

J. Jones, et. al.

Tuesday, May 8, 8:30 - 10:00 am SPACE MEDICINE: TELEMEDICINE AND ULTRASOUND

Chairs: P. Scarpa and J. Jones

Prolonged Spaceflight and Telemedicine Technologies

O. Orlov

Diagnostics and Imaging via Telemedicine On Devon Island as a Mars Analog Iones, et. al.

Factors Affecting the Remote Ultrasound Imaging Diagnosis in Space

A. Sargsyan, et. al.

A Noninvasive Ultrasound Technique Used to Assess Changes in Cranium Dynamics Following 30 Days Bedrest

G. Steinbach, et. al.

Thoracic Ultrasound Diagnosis of Pneumo and/or Hemothorax in Microgravity

D. Hamilton, et. al.

Management of Secondary Peritonitis in Deep Space: Treatment Options Suggested by the NASA Microgravity Research Program

A. Kirkpatrick, et. al.

Tuesday, May 8, 10:30 am - noon SPACEFLIGHT PHYSIOLOGY Chairs: A. Moore and C. Sekiguchi

Resistance Exercise Using Fly-Wheel Technology promotes Hypertrophy of Unloaded Muscle

P. Tesch

Effects of Space Shuttle Flights on Bone of Japanese Astronauts

H. Ohshima, et. al.

Hypobaric Decompression Sickness and Simulated Weightlessness

U. Balldin, et. al.

Which Angle of Head-Down Tilt Better Simulates the Increase in Intra-Ocular Pressure That Occurs in Microgravity? T. Russomano, et. al.

Positive and Negative Counterpressure Differentials Decrease and Increase Skin Microvascular Flow in the Hand

K. Tanaka, et. al.

SPACE MEDICINE BRANCH YOUNG INVESTIGATOR AWARD

The Space Medicine Branch's Young Investigator Award is presented to a young investigator who is the primary author of an outstanding presentation in the area of Aerospace Medicine presented at the current Annual Scientific Meeting of the Aerospace Medical Association. In addition to being the primary author, the work must be original and the young investigator must be presenting at the Annual Scientific Meeting for the first time. The Award is intended to encourage young investigators new to the field of Aerospace Medicine.

The applicant must submit a draft manuscript of their presentation to the chair of the Young Investigator Award sub-Committee. To be considered for the 2001 award, manuscripts must be submitted by the end of March, 2001 to:

Figure 1. Section 1. Space Medicine Branch
Space Medicine Branch
Young Investigator Award Chair
P.O. Box 540305
Merritt Island, Florida 32954
Phone: (321) 867-2026
jeffrey.myers-1@kmail.ksc.nasa.gov

Remember!

Council Meetings are open to all members of the AsMA. Your input and attendance are always welcome. Our next meeting will be on May 6, 2001 in Reno, NV.

NOTE: The SMB website has been updated and is found at: http://www.asma.org/smb/

Aerospace Nursing Section

Garrecht Award Information

The Brig. Gen. Claire Garrecht Award honors an ANS member for the best scientific paper presented during the Annual Scientific Meeting of the Aerospace Medical Association. This award, sponsored by Educational Enterprises, Inc., consists of a plaque and honorarium.

Criteria: Membership in the AsMA and ANS. Abstract must be submitted and accepted for presentation.

Procedure: Five copies of the paper following the prescribed format (contact the committee chair for format) must be submitted to the Chairperson, Aerospace Nursing Section Scientific Program Committee by April 15, 2001.

Aerospace Physiology Certification

The Aerospace Physiology Certification Board of the Aerospace Medical Association will administer the certification examination at the 72nd Annual Scientific Meeting in Reno, NV, on Sunday, May 6, 2001.

Individuals interested in certification should refer to the January 2000 issue (page 82) for more information.

Application must be made prior to March 1, 2001, to assure consideration for the 2000 examination. Applications received after that date cannot be guaranteed consideration for the 2001 exam. Any late applications not considered for 2001, will automatically be held in abeyance for consideration for the 2002 exam.

To obtain an application form and complete information about certification requirements, submit a short biography describing your relevant background in aerospace physiology, and request for information to the Chair of the Admissions Committee:

Officer in Charge Naval Operaional Medicine Institute Detachment East Attn: CDR Jeff Clark, MSC, USN 459 Bellinger Blvd. Norfolk, VA 23511-4297