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
  - M. Powell and J. Dersay
- Management of Medical Emergencies During Long Duration Space Missions
  - C. Otto, et. al.
- Using Telemedicine
  - S. Johnston, et. al.
- Genetic Prescreening of Astronauts for Long Duration Spaceflight
  - J. Jones, et. al.
- A New Address in Space - Crew Size and Habitable Volume on ISS
  - B. Arenal
- 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
  - A. Sargsyan, et. al.
- Factors Affecting the Remote Ultrasound Imaging Diagnosis in Space
  - D. Hamilton, et. al.
- A Noninvasive Ultrasound Technique Used to Assess Changes in Cranial Dynamics Following 30 Days Bedrest
  - G. Steinbach, et. al.
- Thoracic Ultrasound Diagnosis of Pneumothorax
  - J. Jones, 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
  - T. Russomano, et. al.
- Hypoxic Decompression Sickness and Simulated Weightlessness
  - H. Ohshima, et. al.
- Which Angle of Head-Down Tilt Better Simulates the Increase in Intra-Ocular Pressure That Occurs in Microgravity?
  - U. Balldin, 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 Subcommittee. To be considered for the 2001 award, manuscripts must be submitted by the end of March, 2001 to:

- **K. Jeffrey Myers, M.D.**
  - Space Medicine Branch
  - Young Investigator Award Chair
  - P.O. Box 540305
  - Merritt Island, Florida 32954
  - Phone: (321) 867-2026
  - jfmyers.mary-l@ksc.nasa.gov

**NOTE:** The SMB website has been updated and is found at: [http://www.asma.org/smb/](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. The award is presented to a nurse with less than five years of experience.

**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 before May 1, 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 Operational Medicine Institute

1st Detachment East

Attn: CDR Jeff Clark, MSC, USN

459 Bellinger Blvd.

Norfolk, VA 23511-4297

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