

AsMA 88th ANNUAL SCIENTIFIC MEETING EDUCATIONAL INFORMATION

Among the current challenges facing Aerospace Medicine practitioners are long-duration space travel, spaceflight physiology, aircrew fatigue, legislative removal of medical standards, aircraft and spacecraft cabin environments, unpiloted aerial vehicles, mental health in aircrew, medical and ethical guidelines for commercial spaceflight passengers and crew, and decreased funding and support. How has our understanding and impact on these and other challenges been improved? What key work filled the knowledge gaps, what research was done in solving a critical problem, what scientific information or activities supported a change in viewpoints or policy?

As aerospace medicine is truly multi-disciplinary and international, our presentations come from diverse experts who will enhance the world's knowledge and understanding of the current challenges in Aerospace Medicine and demonstrate an impact on improving the health, safety, and human performance of those involved in aviation, space, and extreme environments. Our annual scientific meeting presents an opportunity to learn about the work of our colleagues from around the world, to share the knowledge and wisdom which we gain in our day-to-day work and practice, and is a great way to expand the overall community of aerospace medicine.

EDUCATIONAL OBJECTIVES & BENEFITS

Based upon responses to a survey provided at the end of the 87th Annual Scientific Meeting in Atlantic City, NJ, the top 10 categories our members indicated a need for more information in were: 1. Aerospace Medicine; 2. Human Performance; 3. Human Factors; 4. Travel Medicine; 5. Fatigue; 6. Accident Investigation; 7. Space Medicine; 8. Operational Medicine; 9. Medical Standards; and 10. Aeromedical Evacuation. The 88th Annual Scientific Meeting program will be focused on these 10 major categories. Sessions will cover the latest findings in the fields of aviation and space medicine, human performance, and related fields such as aerospace nursing, aerospace physiology, and human systems integration.

Abstracts are centered on the meeting objectives, which are aligned with the theme. The participant will: learn about evolving trends and best practices in aerospace medicine; apply principles of evidence-based medicine, operational risk management, and aeromedical decision-making in aircrew selection and clinical aerospace medicine practice; analyze mechanical, human performance, and systems integration factors in aviation mishaps and safety programs; identify mechanical, biological, social, cognitive, environmental stress, and systems factors that impact on optimal human performance and decision making in the full spectrum of aerospace operations; and apply ethical principles to aerospace medicine decision-making and foster competency in professionalism and systems-based practice in the application of aerospace medicine skills, teamwork, and interoperability in a multi-discipline professional environment.

KEY TOPICS

Key topics include: Aerospace Medicine Board Review, Aeromedical Grand Rounds, and "RAM Bowl"; a Special Panel on developing a research topic and preparing it for presentation; journal publishing panel; sleep; Germanwings followup and pilot mental health; hypoxia, acceleration, and high altitude medical issues; unmanned aircraft systems; spatial disorientation; aerospace dentistry; crashworthy systems; neurophysiology; injury mitigation; patient safety and air transport medicine issues; in-flight medical events; commercial spaceflight medical considerations; long-duration spaceflight/deep space exploration; human systems integration; human performance in aviation; aviation safety in civil and military settings; aviation medicine case studies; German and Spanish language aeromedical panels; and FAA Seminars for AMEs.

CREDIT HOURS FOR ATTENDANCE

The Undersea and Hyperbaric Medical Society designates this live activity for a maximum of 22.5 *AMA PRA Category 1 Credits*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Administrative Committee of the AOA Council on Continuing Medical Education approved the 88th Annual Scientific Meeting of the Aerospace Medical Association for a maximum of 22.5 AOA Category 1-B credits. Each physician should claim only those credits that he/she actually spent in the activity.

This activity has been reviewed and is acceptable for (credits TBA) Prescribed credits by the American Academy of Family Physicians.

For AMEs, CME is provided by the FAA.

This activity has been submitted to the Montana Nurses Association for approval to award contact hours. The Montana Nurses Association is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation. [Note: USAF Nurses may obtain Category C recognition credit through the Air Force Nurse Corps Continuing Education and Recognition Program (CEARP). To obtain credit, submit a copy of the course completion certificate and supporting documentation such as a program schedule along with completed AF Form 2664 to the Air Force Nurse

Education Program Manager, Ms. Sandra Bruce, Sandra.bruce.1@us.af.mil. This credit can be used towards fulfilling the AF requirement for contact hours.]

MAINTENANCE OF CERTIFICATION (MOC) PART 2: LIFELONG LEARNING AND SELF ASSESSMENT (LLSA)

Once Board Certified, physicians maintain their medical specialty expertise by participating in a robust continuous professional development program called the ABMS Program for MOC. The MOC program provides physicians a structured approach for enhancing patient care and improving patient outcomes through focused assessment and improvement activities. American Board of Preventive Medicine (ABPM) Diplomates with time-limited certificates (beginning with those certified in 1998) must complete the MOC program within 10 years of their initial certification and every 10 years thereafter. The MOC program is offered to all diplomates who have been issued 10-year, time-limited certificates and completion of the MOC program is required to maintain a valid certificate. Voluntary participation is also offered to diplomates who hold lifetime certificates. Diplomates may participate in the MOC program in any of the specialty areas in which they hold a valid ABPM certificate – Aerospace Medicine, Occupational Medicine, or Public Health and General Preventive Medicine – or in the subspecialty of Undersea and Hyperbaric Medicine. Upon successful completion of the MOC program and expiration of their existing certificate, a renewed certificate will be issued that is valid for 10 years from the date of issuance. This annual scientific meeting offers up to 22.5 non-concurrent hours of training designated as ABPM Part 2: LLSA/MOC credit. Sunday workshops, panels, and slide sessions throughout the week provide this credit. Most panels and slide sessions will be worth 1.5 units of credit (double panels are worth 3). MOC questions will be provided to all physicians who register for this activity. The AsMA Headquarters office will maintain records of successful completion of the questions and forward these to ABPM.

The **Aerospace Medicine Board Review series** will review core topics in Aerospace Medicine and is designed to prepare Aerospace Medicine specialists for the ABPM re-certification exam. Topics are presented in three sessions each year by specialists in the field and adhere to the ABPM Study Guide outline which will be covered in its entirety over the course of three consecutive years. Combined with the annual RAM Bowl and Aerospace Medicine Grand Rounds sessions, these board review sessions will address the preventive medicine core topic areas and the four required knowledge areas of Aerospace Medicine: 1) Flight Environment; 2) Preventive Medicine; 3) Operational Aerospace Medicine; and 4) Management & Administration.

Recording of sessions: The plenary lectures will be videotaped and offered online following the meeting. All slides and panel sessions will be live captured and made available to all paid registrants.

MEETING EVALUATIONS AND CME CREDIT

For CME credit, it is imperative that you reply to the survey and answer all of the questions. Your evaluations are very important to us as they convey your educational needs and help us plan the academic program for the following year. In addition, this is an Accreditation Council for Continuing Medical Education (ACCME) requirement.

AsMA'S EDUCATIONAL MISSION

The Aerospace Medical Association's Annual Scientific Meeting is a forum in which the newest information on safe-guarding human life in flight environments is presented. During the rest of the year, the Association's monthly journal, *Aerospace Medicine and Human Performance*, fulfills this function.

Further information on the Aerospace Medical Association may be obtained by visiting our web site at www.asma.org, by calling (703) 739-2240, or by writing to: Aerospace Medical Association, 320 S. Henry Street, Alexandria, VA 22314-3579.

Accreditation Statement: This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Undersea and Hyperbaric Medical Society and the Aerospace Medical Association. The Undersea and Hyperbaric Medical Society is accredited by the ACCME to provide continuing medical education for physicians.

Designation Statement: The Undersea and Hyperbaric Medical Society designates this Live Activity for a maximum of 22.5 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Full Disclosure Statement: All faculty members and planners participating in continuing medical education activities sponsored by the Aerospace Medical Association are expected to disclose to the participants any relevant financial relationships with commercial interests. Full disclosure of faculty and planner relevant financial relationships will be made at the activity.

UHMS Disclaimer: The information provided at this CME activity is for Continuing Medical Education purposes only. The lecture content, statements or opinions expressed however, do not necessarily represent those of the Undersea and Hyperbaric Medical Society (UHMS), its affiliates or its employees.