

## 86th ANNUAL AsMA 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, un-piloted 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, we encouraged presentations from diverse experts that 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. A balanced program of sessions on civil and military aviation medicine, travel medicine, space medicine, safety, and human performance has been organized.

### EDUCATIONAL OBJECTIVES & BENEFITS

AsMA 2015 is the forum for the latest information on health, safety, and human performance in aerospace environments. Based upon responses to a survey provided at the end of the 85th Annual Scientific Meeting, the 86th Annual Scientific Meeting will be focused on six major categories: Aerospace Medicine; Human Performance; Medical Standards; Fatigue; Space Medicine; and Travel Medicine. 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, 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"; hypoxia, acceleration, and high altitude medical issues; patient safety and air transport medicine issues; in-flight medical events; commercial spaceflight medical considerations; long-duration spaceflight/deep space exploration; Human Systems Integration; ophthalmology; Visual Impairment/Intracranial Pressure (VIIP); human performance in aviation; aviation safety in civil and military settings; French, German, Iberoamerican, and multi-national aeromedical panels; and FAA Seminars for AMEs.

### CREDIT HOURS FOR ATTENDANCE

The Aerospace Medical Association is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide Continuing Medical Education for physicians. AsMA designates this live education activity for a maximum of 24 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AsMA is authorized by the American Osteopathic Association (AOA), via the American Osteopathic College of Occupational and Preventive Medicine (AOCOPM), to provide continuing medical education for osteopathic physicians. AsMA designates this educational activity for a maximum of 23.5 AOA Category I-B specialty continuing medical education 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 TBD) Prescribed credits by the American Academy of Family Physicians.

For AMEs, CME is provided by the FAA.

Nurses and Technicians are welcome to register for Continuing Nursing Education Recognition Credit. 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 Air Form 2664 to the Air Force Nurse Education Program Manager, Ms. Sandra Bruce, Sandra.Bruce@randolph.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)

MOC is the board certification process for assessment of continuing competencies of physicians and replaces recertification. 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. At this annual scientific meeting, AsMA has agreed to offer 20 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). Questions will be provided packet 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) and Operational Aerospace Medicine and Management & Administration.

**Videotaping of sessions for enduring materials:** The plenary lectures will be videotaped and offered online following the meeting. All slides and panel sessions will be live captured.

### MEETING EVALUATIONS AND CME CREDIT

This year, rather than filling out a paper form and placing it in a blue bin, we will be sending an online survey to all participants. For CME credit, it is imperative that you reply to the survey and answer all of the questions. Your evaluation forms 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* (formerly *Aviation, Space, and Environmental Medicine*), fulfills this function.

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