

## AsMA 92nd ANNUAL SCIENTIFIC MEETING EDUCATIONAL INFORMATION

The theme for this year's Annual Scientific Meeting is "**Scientia ex Machina**" and its impact during the next 10 years. Countless movies, books and stories have addressed the specter of a dystopic future due to the rise of autonomous computer/machine devices. In the last decade, the real world has seen an explosion of information technology (IT) and artificial intelligence (AI) in ways that were unanticipated affecting how we develop and share information, and there is no indication this will abate during the next decade. In short, we are becoming dependent on "knowledge from the machine!" So, our question is how this will affect AsMA's mission to "apply and advance scientific knowledge to promote and enhance health, safety, and performance of those involved in aerospace and related activities?" We cannot predict where we will be in 2032, but we can start asking questions about the impact of technology on the role of humans in aviation and space, the field of aerospace medicine, the meaning of human performance, and how this will alter the aerospace medicine community, practice, and research.

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 & BENEFIT

Based upon responses to a survey provided at the end of the 91st Annual Scientific Meeting in Denver, CO, the top 6 categories our members indicated a need for more information in were: Aerospace Medicine (65.65%); Space Medicine (48.03%); Medical Standards (43.01%); FAA Medicals (41.58%); Human Performance (37.63%); and Accident Investigation (37.63%). The 92nd Annual Scientific Meeting program will be focused on these 6 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: apply principles of evidence-based medicine, operational risk management, and aeromedical decision-making in aircrew selection and clinical aerospace medicine practice; learn about evolving trends and best practices in aerospace medicine; 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; 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: Covid-19 and aircrew; five plenary lectures on aspects of aerospace medicine research and hyperbaric medicine; workplace stress and mental health; Aeromedical Grand Rounds and "RAM Bowl"; emerging technologies; hypoxia, acceleration, and high-altitude medical issues; spatial disorientation; patient safety and air transport medicine issues; in-flight medical events; human systems integration; human performance in aviation; aviation safety in civil and military settings; aviation medicine case studies.

### CREDIT HOURS FOR ATTENDANCE

The Undersea and Hyperbaric Medical Society designates this live activity for a maximum of 23.0 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 92nd Annual Scientific Meeting of the Aerospace Medical Association for a maximum of (credits TBD) AOA Category 1-B credits. Each physician should claim only those credits that he/she actually spent in the activity.

**Nursing CEUs:** This live activity is approved for 23.00 contact hours by the Florida Board of Registered Nursing Provider #50-10881. Approved license types: Advanced Registered Nurse Practitioner; Clinical Nurse Specialist; Licensed Practical Nurse; Registered Nurse; Certified Nursing

Assistant; Respiratory Care Practitioner Critical Care; Respiratory Care Practitioner Non-Critical Care; Registered Respiratory Therapist; Certified Respiratory Therapist. [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. This credit can be used towards fulfilling the AF requirement for contact hours.

**NBDHMT:** This live activity is approved for (TBD) Category A credit hours by National Board of Diving and Hyperbaric Medical Technology, 9 Medical Park, Suite 440, Columbia, South Carolina 29203. NBDHMT Accreditation Statement: For CHT recertification purposes, the NBDHMT requires a minimum of nine of the minimum 12 required Category A credits relate directly to any combination of hyperbaric operations, related technical aspects and chamber safety.

### MAINTENANCE OF CERTIFICATION (MOC) AND LIFELONG LEARNING AND SELF ASSESSMENT (LLSA)

#### Transitional MOC Requirements

**Objective:** The objective of the American Board of Preventive Medicine's (ABPM) Transition Plan is to provide its Diplomate population with a thoughtful, simple, well-organized and orderly transition from the current Maintenance of Certification (MOC) requirements to the more flexible and relevant requirements of the ABPM's Continuing Certification Program (CCP). Visit the American Board of Preventive Medicine's website for more information: <https://www.theabpm.org/maintain-certification/transitional-moc-to-continuing-certification-program/>.

#### Part II: CME/LLSA

- Diplomates of the ABPM shall, for each calendar year of 2020, 2021 and 2022, be required to complete 25 AMA PRA Category 1 Credits™, or its equivalent.
- Diplomates shall attest to compliance with this interim CME requirement via an "Attestation Form" completed online using the ABPM Physician Portal.
- The ABPM will audit up to 5% of submitted attestations for MOC Part II.

### 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](http://www.asma.org), by calling (703) 739-2240, or by writing to: Aerospace Medical Association, 320 S. Henry Street, Alexandria, VA 22314-3579.

**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. Posters will be available as PDFs. Due to travel restrictions imposed because of the Covid-19 pandemic, some presentations will be pre-recorded.

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**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 the 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.

**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 ineligible companies. Full disclosure of all individuals in control of content and their 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.

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