

Who Should Attend

- Aviation Medical Examiners (AME)
- Physicians (M.D./D.O.)
- Physician Assistants (P.A.)
- Advanced Practice Nurses (N.P.)
- Nurses (R.N./L.P.N.)
- Other health care providers
- Individuals interested in aviation medicine topics

Program Objectives

- Describe the procedures, protocols, and challenges involved in preparing and transporting patients by fixed and rotary wing aircraft.
- Explain the different types of hypoxia encountered by flight crews in an aerospace environment and illustrate the available methods to recognize and mitigate its deleterious effects.
- Recognize when airmen with a diagnosis of alcohol or drug abuse, or depression, should be referred to a HIMS designated AME. Understand the processes involved in returning them safely to flying status.
- Recognize and integrate the methods and procedures employed in aerospace environments (crew resource management) to health care venues and the increase in patient safety that results from such practices.
- Describe medical certification of airmen diagnosed with coronary artery disease based on current FAA recommendations and procedures.
- Explain the current process of pilot mental health evaluation as it applies to FAA requirements, and potential techniques that may be employed during encounters with airmen.
- Become familiar with the individual, operational, and environmental risk factors in manned commercial space flights. Understand the safety regulatory aspects of manned commercial space operations. Identify the sources of the most relevant guidance for medical screening of manned commercial space crews and participants.
- Clarify the roles and interrelationships in the disciplines of space medicine, aviation medicine, and preventive medicine. Discuss the nature and challenges of space physiology. Become familiar with aspects of operational space medicine.
- Understand how spatial disorientation can lead to loss of control of an aircraft. Understand trauma challenges with aircraft accidents. Understand how Advanced Trauma Life Support (ATLS) began.



2nd Annual EAA AirVenture Stanley R. Mohler, M.D., M.P.H., Aerospace Medicine Lecture Series

July 21, 22 & 23, 2015



Boonshoft
School of Medicine
WRIGHT STATE UNIVERSITY

Department of Community Health
Division of Aerospace Medicine

Dayton, Ohio

In conjunction with
2015 EAA AirVenture Oshkosh Airshow

Program Schedule

Tuesday, July 21

0830	Aeromedical Transportation: Moving the Vulnerable and Supporting Those Who Do <i>John D. Owen, M.D.</i>
0930	Hypoxia <i>Gregory A. Pinnell, M.D.</i>
1030	Alcohol, Drugs, SSRIs, and the FAA HIMS Program <i>Ian Blair Fries, M.D.</i>

Wednesday, July 22

0830	Crew Resource Management: From the Cockpit to the Clinic <i>James R. Elliott, M.D., M.P.H.</i>
0930	Aviation Medical Examiners' Roles and Responsibilities for Medical Certification of Airmen with Coronary Artery Disease <i>Arnold A. Angelici, M.D., M.S.</i>
1030	AME Evaluation of Pilot Mental Health — Process Overview and Forum Discussion <i>Thomas F. Jarnot, M.D., M.S.</i>

Thursday, July 23

0830	Operational, Environmental, and Physiological Safety Considerations in Manned Commercial Space Flights <i>Melchor J. Antunano, M.D., M.S.</i>
0930	Introduction to Space Medicine <i>Kazuhito Shimada, M.D., Ph.D.</i>
1030	A Spatial Disorientation Crash that Changed the World <i>David G. Schall, M.D., M.P.H.</i>

Location

EAA AirVenture Museum
Vette Auditorium
3000 Poberezny Road ■ Oshkosh, WI 54902

Directions

From U.S. 41
Take Exit 116 east (Wis. 44/South Park Road.)
Turn right on Knapp Street Road.
Right on Poberezny Road.
Proceed ¼-mile to museum on the left.

Speakers

Arnold A. Angelici, M.D., M.S.

Flight Surgeon
Federal Aviation Administration, Southern Region
Atlanta, Georgia

Melchor J. Antunano, M.D., M.S.

Director, Civil Aerospace Medical Institute
Federal Aviation Administration
Mike Monroney Aeronautical Center
Oklahoma City, Oklahoma

James R. Elliott, M.D., M.P.H.

Lt. Col. USAF (Ret)
Federal Aviation Administration
Deputy Regional Flight Surgeon, Central Region
Kansas City, Missouri

Ian Blair Fries, M.D.

FAA Senior (HIMS) Aviation Medical Examiner
A1A Aviation Medicine, Inc.
Vero Beach, Florida

Thomas F. Jarnot, M.D., M.S.

Associate Program Director
Division of Aerospace Medicine
Department of Community Health
Wright State University Boonshoft School of Medicine
Dayton, Ohio

John D. Owen, M.D.

Brigadier General USAF (Ret)
Mosaic Life Care St. Joseph
Medical Director, Emergency Department
Co-Medical Director, LifeNet Air Medical Transport
FAA Senior Aviation Medical Examiner
St. Joseph, Missouri

Gregory A. Pinnell, M.D.

Col. USAF Reserve, Senior Flight Surgeon
45th Space Wing
FAA Senior Aviation Medical Examiner
Airdocs Aeromedical Support Services
MBS International Airport
Freeland, Michigan

David G. Schall, M.D., M.P.H.

Aerospace Neurologist
FAA Regional Flight Surgeon, Great Lakes Region
Des Plaines, Illinois

Kazuhito Shimada, M.D., Ph.D.

Medical Officer
Flight Research Unit
Japan Aerospace Exploration Agency (JAXA)

Continuing Education Credits

CME

Wright State University (WSU) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians. WSU designated this live activity for a maximum of 9.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

ADA Statement

As an organization accredited for continuing medical education, Wright State University Boonshoft School of Medicine fully complies with the legal requirements of the Americans with Disabilities Act rules and regulations. If any participant is in need of accommodations, written requests should be submitted.

Registration Information

Please register early. Space is limited to 100 people. Registration is open as long as space is available. Fee includes conference materials and continuing medical education credits. No refunds will be given.

For more information:

Contact Thomas Jarnot, M.D., at
thomas.jarnot@wright.edu or 937.775.1400.

Register at:

medicine.wright.edu/aerospace-medicine/lecture-series

Cost: \$90 per day

Planning Committee

Thomas F. Jarnot, M.D., M.S., Planning Chair
Associate Program Director

Richard T. Garrison, M.D., M.S., M.S.
Director of Flight Medicine Clinic

Dean M. Olson, M.D., M.S., M.S.
Division Chair and Program Director

Donna W. Klink, R.N.
Residency Coordinator