Flying Physicians Association, Inc.

2018 Annual Meeting Program

June 2 – 5, 2018

President: George W. Shehl, MD, FACC Program Chair: Mark C. Eidson, MD

**Saturday, June 2, 2018**

12:30 pm Registrant Sign-In

12:45 pm Welcome and Announcements

1:00 pm – 5:00 pm SESSION ONE

1:00 pm **Mission to Mars: The Human Factor**

*How can we, physically, psychologically, physiologically, and medically, survive a mission to Mars?*

Christopher C. Nagle, MD, MPH, MS (AsMA Exchange Speaker), Rappahannock Wilderness Medicine, LLC, Washington, Virginia; Aviation Research Medical Officer, FAA Civil Aerospace Medical Institute (CAMI), Oklahoma City, Oklahoma.

*Upon completion of this presentation, the learner will be prepared to:*

* Identify the major health threats to exploration class space flight.
* Implement proposed countermeasures in preparation for successful flight completion.

 1:30 pm Audience question and answer

1:45 pm **Structural Heart Interventions: the state-of-the-art and beyond**

*What are the structural heart diseases, and how are they treated in 2018?*

Mohamad Adnan Alkhouli, MD, FACC, Director of Structural Heart Intervention; Assistant Professor of Medicine, Department of Cardiology, West Virginia University, Morgantown, West Virginia

*Upon completion of this presentation, the learner will be prepared to:*

* Describe and discuss with peers and patients the different structural heart diseases and varied percutaneous intravenous interventions now available.
* Refer a patient or treat structural heart defects.

 2:15 pm Audience question and answer

2:30 pm Break

2:45 pm **Cochlear Implants in Pilots**

*Can a patient fly with cochlear implants?*

David G. Schall, MD, MPH, FACS, Aerospace Neurotologist, FAA Regional Flight Surgeon, Des Plaines, Illinois

*Upon completion of the presentation, the learner will be prepared to:*

* Outline and implement requirements for patients/pilots with cochlear implants to be cleared for flight duties.

3:15 pm Audience question and answer

3:30 pm **The Medical Effects of Nuclear Weapons: Staying cool when things get hot…**

*What can I do to assist my patients in the event of a nuclear detonation?*

Douglas W. Johnson, MD, FACR, Radiation Oncologist, MD Anderson Baptist Cancer Center, Jacksonville, Florida; Consultant, Nuclear Regulatory Commission

*Upon completion of the presentation, the learner will be prepared to:*

* List three ways to limit radiation fallout exposure after a blast.
* Describe the three primary acute radiation exposure syndromes.
* Discuss the effect of radiation exposure on wound healing.
* Outline steps to mitigate the mortality of combined injuries (radiation + open wounds).

 4:00 pm Audience question and answer

4:15 pm **Board Service, Advocacy and Accountability: Health Administration**

*Are the legal risks of Board of Directors’ positions greater than the benefit to the patients and the community? Can board service earn a physician a visit from the OIG?*

Kimberly A. Cleveland, Esq., MSN, RN, C-MBC, Lecturer, Kent State University, Kent, Ohio.

*Upon completion of the presentation, the learner will be prepared to:*

* Identify the legal duties of board membership.
* Anticipate conflict of interests which give rise to legal liabilities for physicians engaging in board service.

4:45 pm Audience question and answer

5:00 pm Adjourn for the day

**Sunday, June 3, 2018**

8:00 am Announcements

8:15 am – 12:15 pm SESSION TWO

8:15 am **Keeping the Flying Physician Alive- III** (non-CME)

*How can I avoid certain risk areas in flying light sports aircraft either for business or pleasure?*

Bruce Landsberg, ATP, CFII, ME, Aviation Safety, Mt. Pleasant, South Carolina. Past Executive Director, AOPA Safety Institute

*Upon completion of the presentation, the learner will be prepared to:*

* Recognize high risk areas when flying.
* Reduce or eliminate those risks.

8:45 am Audience question and answer

9:00 am **Up in the Air: Current Concepts in Erectile Dysfunction**

*How do I evaluate and initiate treatment for men presenting with erectile dysfunction (ED)?*

Melissa R. Kaufman, MD, PhD, Associate Professor of Urologic Surgery, Vanderbilt Medical Center, Nashville, Tennessee

*Upon completion of the presentation, the learner will be prepared to:*

* Describe potential pathphysiologies, etiologies, co-morbidities and treatment strategies for erectile dysfunction.

9:30 am Audience question and answer

9:45 am Break

10:00 am **Stop the Bleed. See Something. Do Something. Improve Survival.**

*How do I stop life threatening hemorrhage?*

Andrew C. Skattum, DO, Trauma Surgery, Associate Trauma Medical Director, Osceola Regional Medical Center, Kissimmee, Florida.

*Upon completion of the presentation, the learner will be prepared to:*

* Recognize life threatening extremity hemorrhage.
* Apply a tourniquet and direct pressure to stop bleeding.
* Instruct a “Stop the Bleed” course for peers and health professionals.

10:30 am Audience question and answer

10:45 am **Taking the “Zoo” Out of Zoonosis**

*How can I better correlate clinical signs and patient history with possible zoonotic entities? How can pet issues at home affect human illness?*

Gary S. Brown, DVM, Animal Care Center PLLC, Princeton, West Virginia

*Upon completion of the presentation, the learner will be prepared to*:

* Develop appropriate dialogue between physicians and veterinarians about zoonotic diseases, One Health, and the human-animal bond.

11:15 am Audience question and answer

11:30 pm **Atrial Fibrillation: Past, Present and Future**

*What are the treatment options for atrial fibrillation? Does my patient require long-term anticoagulation?*

David C. Tingler, MD, Cardiologist, Assistant Professor of Medicine, West Virginia University, Fairmont, West Virginia

*Upon completion of the presentation, the learner will be prepared to:*

* Identify risk factors and symptoms of atrial fibrillation.
* Provide up-to-date care for patients with atrial fibrillation.
* Recommend the appropriate medical therapy, diagnostic workup and potential invasive treatment strategy for patients with atrial fibrillation.

12:00 pm Audience question and answer

12:15 pm Adjourn for day

12:45 pm **Stop the Bleed Hands-on Training Certification**

 Andrew C. Skattum, DO

2:15 pm Training Certification Course adjourns

6:00 pm **Stump the IA (non-CME)**

*What burning aviation mechanics questions do I have that Mike Busch can discuss and answer – and keep me flying without emptying the bank account?*

 Mike Busch, A&A/IA

**Monday, June 4, 2018**

8:00 am Announcements

8:15 am – 1:15 pm SESSION THREE

8:15 am **Sleep Apnea: the Curse of the Flying Physician**

 *The pilot patient feels fine; why am I required to treat sleep apnea?*

Frank M. Ralls, MD, Associate Professor of Internal Medicine, Program Director, Sleep Medicine Fellowship, Medical Director Sleep Disorders Center, University of New Mexico School of Medicine, Albuquerque, New Mexico

 *Upon completion of the presentation, the learner will be prepared to:*

* Identify signs and symptoms of sleep apnea, their effect on the pilot and their flying performance.
* Outline the basics of sleep apnea and its detrimental effects on health.
* Address public concerns about pilots with untreated sleep apnea.

8:45 am Audience question and answer

9:00 am **High Risk OB for Non-OB/GYN Providers**

*What is different about pregnancy when non-OB providers are involved in the care of a pregnant woman?*

James W. Van Hook, MD, Professor and Chair, Department of Obstetrics and Gynecology, University of Toledo, College of Medicine and Life Sciences, Toledo, Ohio

*Upon completion of the presentation, the learner will be prepared to*:

* Cite specific physiological adaptations that occur during pregnancy.
* Describe the differences in treatment of trauma, diabetes and other conditions during pregnancy.
* Discuss with patients and peers pregnancy viability, prematurity and principals of medical care in pregnancy.

9:30 am Audience question and answer

9:45 am **Anxiety: a Psychiatrist’s Recommendations for Other Medical Specialties**

*How can I help my patients whom I suspect have underlying diagnoses of anxiety or other similar conditions?*

George L. Cowan, MD, MS, Psychiatrist, USN Retired, Scranton, South Carolina

*Upon completion of the presentation, the learner will be prepared to:*

* Make a preliminary clinical diagnosis of anxiety and possible other related disorders present.
* Initiate clinically appropriate management recommendations for the individual patient.

10:15 am Audience question and answer

10:30 am Break

10:45 am **Venous Insufficiency: Patient Evaluation and Treatment**

*What are the risks of prolonged immobility to patients and pilots diagnosed with varicose veins and/or chronic venous insufficiency?*

Mario T. Plaza-Ponte, MD, FACS, FASCRS, ABVLM, Venous and Lymphatic Medicine, Medical Director, The Pittsburgh Vein Center, Monroeville, Pennsylvania

*Upon completion of the presentation, the learner will be prepared to:*

* Recommend accepted treatment options.
* Refer patients to appropriate treatment specialists for chronic leg swelling, varicose veins and chronic venous insufficiency.

11:15 am Audience question and answer

11:30 am **Sexually Transmitted Infections in Women: an Update**

*Who should I be screening for STI’s and for which infections?*

Catherine L. Van Hook, MD, Associate Professor of Obstetrics and Gynecology, University of Toledo, College of Medicine and Life Sciences, Toledo, Ohio

*Upon completion of the presentation, the learner will be prepared to*:

* Discuss the risk factors for acquisition of sexually transmitted infections (STIs).
* Recommend STI testing based on individual patient history and status.
* Refer to local community healthcare resources available for testing and treatment of STIs.

12:00 pm Audience question and answer

12:15 pm **How to Gauge Your Hospital Disaster Preparedness**

*What are the costs to institute a hospital disaster preparedness and response checklist and make the changes? What specific areas of the US should adopt the disaster preparedness and response checklist?*

CAPT. Miguel A. Cubano, MD, MBA, FACS, Commanding Officer, General Surgeon, Naval Health Clinic (US Navy), Corpus Christi, Texas

*Upon completion of the presentation, the learner will be prepared to:*

* Incorporate a systematic checklist to gauge your institution’s preparedness and response.
* Identify existing deficiencies in departments.
* Develop a plan to bridge the gaps when deficiencies exist.

1:00 pm Audience question and answer

1:15 pm Adjourn for day

**Tuesday, June 5, 2018**

8:00 am Announcements

8:15 am – 12:15 pm SESSION FOUR

8:15 am **Doing GA Single-Pilot IFR Better** (non-CME)

*How can I, as a pilot who flies single-pilot IFR, reduce the likelihood of committing a serious pilot deviation?*

Michael D. Busch, A&P/IA, CFIA/I/ME, Founder and CEO, Savvy Aviation, Arroyo Grande, California

*Upon completion of the presentation, the learner will be prepared to:*

* Cite the five major kinds of pilot deviations during GA single-pilot IFR operations.
* Describe specific procedures that instrument-rated GA pilots can adopt to reduce each kind of pilot deviation.
* Reduce personal pilot deviations using the most effective way to mitigate these problems with improved cockpit discipline.

8:45 am Audience question and answer.

9:00 am **Would You Fly with You? Medical Self-assessment in the Era of Basic Med**

*How do I perform pilot medical self-assessment both for myself and in advising my pilot-patients? How can this self-assessment be used by other patients in the transportation industry?*

James R. Elliott, MD, MPH, Aerospace Medicine, Preventive Medicine and Public Health, Deputy Regional Flight Surgeon, Federal Aviation Administration, Kansas City, Missouri

*Upon completion of the presentation, the learner will be prepared to:*

* Develop a strategy to assess their personal medical fitness to fly.
* Incorporate the information and strategic assessment into education for their pilot-patients as well as patients in other transportation industries.

9:30 am Audience question and answer

9:45 am Break

10:00 am **Transitional Medical and** **Long-Term Care: Preparing Patients for the Unknown**

*What are the options to consider and best approach in discussing long-term care or transitional medical care planning with a patient and their family?*

Walter C. “Chip” May, CFP, CLU, ChFC, MSFS, Certified Financial Planner, May Financial Solution, Fort Worth, Texas

*Upon completion of the presentation, the learner will be prepared to*:

* Differentiate between transitional medical care and long-term care.
* Discuss in lay terms the qualifications for Medicare and Medicaid.
* Consider and describe the medical underwriting issues associated with long-term care.

 10:30 am Audience question and answer

10:45 am **Global Disaster Response**

*How do we, as responsible pilot physicians, as an organization and as caring US Citizens, come closer to the goal of saving lives, of mitigating suffering, and providing those affected by a disaster the best opportunity to rebuild their communities with dignity and resilience?*

CAPT. Miguel A. Cubano, MD, MBA, FACS, Commanding Officer, General Surgeon, Naval Health Clinic (US Navy), Corpus Christi, Texas

*Upon completion of the presentation, the learner will be prepared to:*

* Provide historical perspectives including UN Resolutions and Initiatives.
* Describe global challenges and their impact in humanitarian action.
* Discuss both the PROS and CONS of global disaster response.
* Outline the seven sins of humanitarian medicine (included in the CONS).
* Incorporate the “Do’s and Don’ts” before, during and after a disaster.
* Summarize and recommend actions for global disaster response in the future.

11:15 am Audience question and answer

11:30 am **Concierge Medicine Update**

*Is current concierge medical care better than traditionally-practiced medical care and how?*

John T. Kihm, MD, Internal Medicine, Priority Medicine, Durham, North Carolina

*Upon completion of the presentation, the learner will be prepared to:*

* Describe and compare two types of medical care practices in the U.S.
* Discuss the advantages/disadvantages of the two types of medical care practices.

12:00 pm Audience question and answer

12:15 pm Scientific Sessions Adjourn