2020 FPA ANNUAL MEETING
SCIENTIFIC SCHEDULE
May 23 – 26, 2020

Friday, May 22, 2020
12:15 pm Board Transportation
12:30 pm [OPT] VCU Medical Simulation/Patient Safety Virginia Commonwealth University
CME Session Medical School

Saturday, May 23, 2020
12:30 pm Registrant Sign-In
12:45 pm Welcome and Announcements

1:00 pm – 5:15 pm SESSION ONE

1:00 pm Contemporary Transfusion Strategies
When should packed red blood cells NOT be infused?
R. Stephen Smith, MD, RDMS, FACS, Surgery. Professor of Surgery and Trauma, University of Florida, Gainesville FL.
Upon completion of this presentation, the learner will be prepared to:
• Use blood products effectively based on current scientific literature.
• Reduce unnecessary blood transfusions.
• Reduce adverse effects of blood transfusions.
1:45 pm Audience question and answer

2:00 pm Controlled Substances in Geriatrics
How do I manage my geriatric patient on controlled substances?
Dori P. Tamagne, MD, Family Medicine. Department of Family Medicine, IHA Trinity, Manchester MI.
Upon completion of this presentation, the learner will be prepared to:
• Discuss the opioid epidemic and issues specific to geriatric patients.
• Discuss use of controlled substances in geriatric patients.
• Discuss controversies in geriatric patient care.
2:45 pm Audience question and answer

3:00 pm Break

3:15 pm Hyperparathyroidism: 1°, 2°, 3°
How can I distinguish primary, secondary and tertiary hyperparathyroidism?
W. G. Schenk, MD, Surgery. Professor of Surgery, University of Virginia Medical School, Charlottesville VA.
Upon completion of this presentation, the learner will be prepared to:
• Distinguish the form of Hyperparathyroidism (Hyper-PTH).
• Prescribe curative treatment for primary Hyper-PTH.
• Intervene surgically at the appropriate time.
4:00 pm Audience question and answer

4:15 pm Current Management of Eustachian Tube Dysfunction
How do I help the airman patient with Eustachian tube dysfunction?
David G. Schall, MD, MPH, FACS. Aerospace Neurotologist. Federal Aviation Administration, Colorado Springs CO.
Upon completion of the presentation, the learner will be prepared to:
• Diagnose and treat Eustachian tube dysfunction
• Present and discuss with a patient and colleagues the current treatments available for ETD (Balloon Tuboplasty/Surgery/etc.)
• Consider treatment options with the patient fully informed on the risks and complications.
5:00 pm Audience question and answer

5:15 pm Adjourn for the day

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Sunday, May 24, 2020
8:00 am  Announcements
8:15 am – 12:30 pm  SESSION TWO

8:15 am  National Transportation Safety Board (NTSB) Update (non-CME)

Why do crashes still happen, and what can I do to make my flight operation as safe as possible?
Bruce Landsberg, ATP, CFII, ME, Aviation Safety, Past Executive Director, AOPA Safety Institute, Vice Chair National Transportation Safety Board, Mt. Pleasant, South Carolina, and Washington, DC.

Upon completion of the presentation, the learner will be prepared to:
- Operate an aircraft safely.
- Describe the leading causes of general aviation accidents.

9:00 am  Audience question and answer

9:15 am  From Sneetches to Stem Cells: A Story of Urinary Sphincter Regeneration

What are future options for treatment of urinary incontinence without use of invasive mesh-based surgical procedures?
Melissa R. Kaufman, MD, PhD, FACS, Associate Professor of Urology, Vanderbilt Medical Center, Nashville TN

Upon completion of this presentation, the learner will be prepared to:
- Construct working knowledge of the pathophysiology of stress incontinence.
- Summarize contemporary concerns regarding limitations of current therapies for stress incontinence.
- Apply knowledge regarding biology and utilization of stem cells for urologic conditions.

10:00 am  Audience question and answer

10:15 am  Break

10:30 am  Review of Pediatric Brain Tumors - Current State

How do a newer minimally invasive surgical technique and modern genetic analysis change the evaluation and treatment of pediatric brain tumors?
Bruce A. Kaufman, MD, Pediatric Neurosurgery. Professor, Medical College of Wisconsin, Children’s Hospital, Milwaukee WI.

Upon completion of this presentation, the learner will be prepared to:
- Define indications for use of Stereotactic Laser Ablation in brain tumors.
- Discuss the changes in classification of medulloblastoma and how that can define outcome.
- Describe how genetic characterization of brain tumors is affecting non-operative therapies.

11:15 am  Audience question and answer

11:30 am  Around The World Over Both Poles In A Homebuilt Airplane (Non-CME)

Can a little home-built single engine airplane actually fly around the world over both poles?
Bill Harrelson, American Airlines pilot (ret); 29,000+ hours, Lancair IV homebuilt plane owner, general aviation long-distance world record holder.

Upon completion of this presentation, the learner will be prepared to:
- Recount how a single-engine airplane was built for ultra-long distance flying and how it was tested.
- Describe one failed attempt at the World Record and the successful World Record flight itself.
- Construct and formulate a plan to interpret, compare and solve, possibly even revise and coordinate, so as to apply and summarize the obfuscated ramblings of the speaker.

12:15 pm  Audience question and answer

12:30 pm  Adjourn for the day.
Monday, May 25, 2020
8:00 am  Announcements
8:15 am – 12:30 pm  SESSION THREE

8:15 am
Update on Medical Safety Considerations in Commercial Space Flights 2020 AsMA Exchange
Speaker
What is the recommended medical screening criteria for commercial space flight crews and passengers?
Melchor J. Antuñano, MD, MS, Aerospace Medicine. Director of the U.S. Federal Aviation Administration (FAA) Civil Aerospace Medical Institute (CAMI), Oklahoma City OK; Clinical Associate Professor, Department of Preventive Medicine and Community Health, University of Texas Medical Branch, Galveston TX; Adjunct Professor, Universidad Nacional de Colombia School of Medicine, Bogota, Colombia.

Upon completion of this presentation, the learner will be prepared to:
- Interpret the differences in recommended medical screening guidance for passengers participating in suborbital vs orbital commercial space flights.
- Apply sound aerospace medicine principles to promote occupant (crews and passengers) safety in commercial space flights.
- Compare medical certification criteria for flight crews vs medical screening guidance for passengers participating in commercial space flights.

9:00 am  Audience question and answer

9:15 am
Art and Disease: How disease processes affected or influenced great masters in music, painting and the arts
Would we have had a Vincent Van Gogh, Frida Kahlo or Beethoven if they had been cured from their illness? How did their disease contribute or detract from their greatness?
CAPT. Miguel A. Cubano, MD, MBA, FACS, Commanding Officer, NATO Role III Multinational Medical Unit (MMU), Kandahar, Afghanistan

Upon completion of this presentation, the learner will be prepared to:
- Summarize the effects that different diseases have in everyday life and examples of adaptations that attained greatness.
- Consider and discuss how acknowledged ‘great masters’ adapted and used the different disease processes.

10:00 am  Audience question and answer

10:15 am  Break

10:30 am
Public & Private Partnerships: Collaborative Contracting to Support Complex Aeromedical Requirements
What are the current best practices in the coordination and execution of biocontainment medical evacuations?
William A. Walters, III, MD, MBA, Emergency Medicine. Executive Director and Managing Director of Operational Medicine, Bureau of Medical Services, Department of State, Washington DC.
Dent Thompson, COO & Vice-President, Phoenix Air, Cartersville GA

Upon completion of the presentation, the learner will be prepared to:
- Review the complexities of medical evacuation operations involving the movement of patients infected with Ebola and other highly infectious diseases.
- Explore current best practices in Federal contracting necessary to support the aviation support of highly complex evacuation operations.
- Compare standard risk mitigation strategies in the air ambulance industry to those required in support of biocontainment transport.

11:15 am  Audience question and answer
The Importance of Art in Medicine
In what ways could art be used to enhance medical education or patient care?
John E. Nestler, MD, MACP, Endocrinology. Professor and Chair, Department of Internal Medicine; William Branch Porter Professor of Medicine, Division of Endocrinology and Metabolism, Department of Internal Medicine, Virginia Commonwealth University School of Medicine, Richmond VA.

**Upon completion of the presentation, the learner will be prepared to:**
- Summarize ways in which art can enhance medical education.
- Summarize ways in which art can be used to promote patient healing.
- Summarize how art might enhance empathy and humanity in medical students.

12:15 pm Audience question and answer

12:30 pm Adjourn for the Day

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

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Tuesday, May 26, 2020

8:00 am Announcements

8:15 am – 2:00 pm SESSION FOUR

8:15 am **Management of Rib Fractures: Simple and Complex**
How do I approach an injured patient who presents with multiple rib fractures or flail chest?
F. Barry Knotts, MD, PhD, General Surgery and Trauma. Port Orange FL. Mercy St Vincent Medical Center Hospital, Toledo OH. (Formerly) Associate Clinical Professor of Surgery, Ohio University (ret.)

**Upon completion of this presentation, the learner will be prepared to:**
- Identify the levels of severity of single and multiple rib fractures.
- Use modern techniques of rib fracture and chest wall management.

9:00 am Audience question and answer.

9:15 am **Who is Afraid of the Big Bad Pregnant Patient?**
What is it that terrifies practitioners about pregnant patients?
Lauren Britt Skattum, DO, FACOOG. Obstetrician-Gynecologist. OB-GYN Associates of Mid-Florida, LLC. Leesburg Regional Medical Center, Leesburg FL.

**Upon completion of this presentation, the learner will be prepared to:**
- Cite specific physiologic changes in pregnant women that affect my specialty.
- Incorporate improved understanding of pathology in my specialty-specific concerns.

10:05 am Audience question and answer

10:15 am Break

10:30 am **Killing, Truth, Consent, Coercion and Letting Die**
What are some of the major moral problems in medicine that may affect me in my practice?
Andrew C. Skattum, DO, FACS, FACOS. Associate Trauma Medical Director, Osceola Regional Medical Center, Associate Professor of Medicine, University of Central Florida, Kissimmee, Florida.

**Upon completion of this presentation, the learner will be prepared to:**
- Describe and cite examples of major ethical theories.
- Compare potential moral problems in the physician-patient relationship.
- Summarize the moral dilemmas of life and death decisions in patient care.

11:15 am Audience question and answer
Human Trafficking (HT):
Who are human trafficking victims, how/why do victims become involved in HT, and how do medical professionals identify victims?
Theo M. Williams, Supervisory Special Agent, Crimes Against Children and Human Trafficking Unit, Federal Bureau of Investigation (FBI) Headquarters, Washington DC

Rachel D. Fischer BSN, RN, SANE-A, SANE-P, Forensic Nursing Consulting and Education, LLC. Clinical Lead and Community Outreach Specialist, Harris Forensic Nurse Examiners (HCFNE) Houston, TX

Donna Mixner, Victim Specialist, Federal Bureau of Investigation (FBI), Richmond VA.

Upon completion of this presentation, the learner will be prepared to:
• Identify victims of human trafficking.
• Identify the characteristics of traffickers and the exploitation process.
• Describe victims and relationships with their traffickers.
• Effectively interview a potential victim of human trafficking.
• Apply identification techniques in your practice when presented with victims of trafficking
• Detail how a trauma informed response can aid investigations
• Construct trauma informed safety plans and victim rapport building techniques into your practice.
• Coordinate with a multidisciplinary team to promote best care practices for trafficking victims.

2:00 pm Adjourn Scientific/Aviation Program

2:10 pm Flying Physicians Association, Inc., Annual Business Meeting

BACK-UP PRESENTATIONS

The Dysrhythmia of Contemporary Health Policy & Its Impact on the Practice of Medicine
What are contemporary examples of health policies that impact practice, licensure and medical science, and what roles do physicians hold in co-creating these policies with the executive, legislative and judicial branches of government?
Kimberly A. Cleveland, JD, MSN, RN, Health Law/Cardio-thoracic surgery/transplant/artificial device. Law offices of Kimberly Cleveland/Kent State University, Departments of Law, Health Policy and Nursing, Kent OH.

Upon completion of this presentation, the learner will be prepared to:
• List three contemporary health policy issues impacting medical practice.
• Discuss the role of physicians in the health policy cycle.
• Evaluate whether medical research is actively being used to inform health policy.

OBGYN 2020- Specialty Changes In the Millennium
How has the provision of Women's Health changed since most of us received our medical training?
James W. Van Hook, MD, Maternal and Fetal Medicine. Professor & Rita T. Sheely Endowed Chair in Obstetrics and Gynecology, University of Toledo School of Medicine, Toledo OH.

Upon completion of this presentation, the learner will be prepared to:
• Summarize changes in workforce and specialty composition of OBGYN.
• Compare challenges in Women's Health from the 20th century as anticipated in the current millennium.
• Coordinate effective use of OBGYN specialists and subspecialists in the consultative care of your patients.