

The Planners

Charles R. Reininger, MD



Dr. Reininger was a Pre-Med major at Southeastern Louisiana University in Hammond, LA, and graduated from Louisiana State University Medical School in New Orleans, LA. He did a rotating internship in Shreveport, LA, before going into General Practice near Baton Rouge for eight years. He returned to training at Ochsner Foundation Hospital in New Orleans for a specialty in radiology. After completing residency training, he moved to Lafayette, LA, to practice General Radiology and Nuclear Medicine for 20 years, followed by a move to Eunice, LA, to practice at several local hospitals. Dr. Reininger is semi-retired and continues practicing locum tenens radiology and oncology at area hospitals and clinics in Eunice.

A long-time member of FPA, Dr. Reininger won the Distinguished Service Award in 2009. His wife, Carrie, was named the RFS of Year in 2010.

Receiving his private pilot license soon after entering General Practice, Reininger has owned and flown a Piper Arrow, C310, C303 Crusader and currently flies a B55 Baron. He has commercial, instrument and MEL ratings. In addition to the Baron he is a Harley weekend motorcyclist. He and Carrie, who is also a pilot, are avid golfers and music lovers, owning and playing a variety of instruments. Carrie plays piano and organ; he plays Cajun accordion, guitar and fiddle.

George W. Shehl, MD, FACC, FACP



Dr. George W. Shehl attended and graduated from the West Virginia School of Medicine in 1977 and is currently a Clinical Professor of Medicine there. A fellow of both the American College of Cardiology and the American College of Physicians, Shehl was the founder of the first diagnostic cardiac catheterization laboratory in central West Virginia in 1985 at UHC in his home town of Clarksburg, WV. He served as the West Virginia governor of the American College of Cardiology from 2003-2006. He has been employed at the VA Medical Center for 14 years and introduced Coronary CT Angiography and Cardiac MR technology to that hospital. Dr. Shehl joined the FPA in 1980 and is currently the President-Elect. In 2012 he won the Kuros Tabari Award at the Annual Meeting in Denver, Colorado. He has owned and flown his A-36 Bonanza (N58SS) about 3400 hours since 1984, and has over 6000 hours of pilot-in-command time.

Richard W. Sloan, MD, RPh



Dr. Sloan received his undergraduate degree from the University of the Sciences in Philadelphia, and his medical degree from the Pennsylvania State University College of Medicine. As a clinical professor in Family and Community Medicine at Penn State, he has completed 35 years of academic and clinical practice. In 2015, he retired as Director of Medical Education, York Hospital, Wellspan Health, in south central Pennsylvania. Dr. Sloan is a prior pilot and flight surgeon with the USAF and served for many years as an FAA senior aviation medical examiner. A long time member of the Flying Physician Association (FPA), he served as president and is currently chair of the CME committee. He is the recipient of the FAA Master Pilot Award and has accumulated over 5000 hours of flight time. Over the last 25 years, he has been the proud owner and pilot of Mooney N58148. Dr. Sloan and his wife, Alice, live in York (PA) and have two daughters and six grandchildren.

Flying Physicians Association, Inc.

2017 Annual Meeting Program

President: Charles R. Reinninger, MD Program Chair: George W. Shehl, MD, FACS

Saturday, June 3, 2017

10:00 a.m. Board buses to D-Day Celebration and Patriotic Program
10:30 a.m. Salute to Service D-Day Celebration Music & Program Island Airport
1:00 p.m. Board buses for return to Marriott Hotel
1:15 p.m. Registered Attendee Sign-in John Sevier Lobby
1:30 p.m. Welcome and Announcements Mississippi/Kentucky/Georgia

1:45 – 5:00 p.m. SESSION ONE

1:45 p.m. **Where is the Third Class Medical Headed?**

What changes are expected in Third Class Medical, and how will this affect physician-pilots delivering medical examinations for the FAA?

Susan E. Northrup, MD, MPH, Aerospace Medicine, Southern Regional Flight Surgeon, Federal Aviation Administration, Atlanta, Georgia

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

- Describe options available to pilots to legally meet medical certification requirements to act as pilot in command of an aircraft.
- Describe a minimum list of medical evaluations for the Non-AME physician in determining an airman's medical fitness for flight in accordance with the new medical certification reform bill due to become law in July 2017.

2:30-2:45 p.m. Audience participation, questions and answers

2:45 p.m. **Lung Cancer 2017: Update on Screening, Diagnosis and Treatment**

Why and how should I screen for lung cancer?

J. F. Turner, MD, FACP, FCCP, FCCM, Pulmonologist, Professor and Vice-Chair of Medicine, Co-Director of Thoracic Oncology, University of Tennessee Graduate School of Medicine. Knoxville, Tennessee

Upon completion of the presentation, the participant will be prepared to:

- Assess the patient's lung health through detailed history, physical examination and use of screening tools such as low dose CT Screenings.
- Given the results of screening tests, determine the appropriate diagnosis of pulmonary health and disease.
- Present to and counsel the individual patient, in easily understood language, on the available treatments, non-surgical and surgical, and expectations of each.

3:30-3:45 p.m. Audience participation, questions and answers

3:45 p.m. Break

4:00 p.m. **Non-Astronaut Sub-Orbital Flight Perils**

What are the tools a physician-pilot may use to screen and advise candidates on medical conditions and medications that increase their risk of in-flight emergency and mission abort?

Daniel J. Callan, DO, Occupational/Aerospace Medicine, Associate Professor, Lincoln Memorial University, DeBusk College of Osteopathic Medicine, Harrogate, Tennessee. Medical Director, NOVA Medical Centers, Chattanooga, Tennessee.

Upon completion of the presentation, the participant will be prepared to:

- Investigate opportunities for sub-orbital space flight for non-astronaut trained humans and the inherent associated risks.
- Assess human medical conditions and therapeutic countermeasures impact in an abnormal physiological environment.
- Evaluate risks and screen potential candidates for sub-orbital time-limited flights.

4:45-5:00 p.m. Audience participation, questions and answers

5:00 p.m. Adjourn for the day.

Sunday, June 4, 2017

7:15 am Registered Attendee Sign-in

John Sevier Lobby

7:30 am Announcements

Mississippi/Kentucky/Georgia

7:40 a.m. – 12:55 p.m. SESSION TWO

7:40 a.m.

The Bag of Pills: Polypharmacy in the Elderly

How can I minimize the number of medications prescribed in an elderly patient?

W. Kenneth Austin, MD, Cardiologist, Internal Medicine, Piedmont Heart Institute and Good Samaritan Health and Wellness Center, Jasper, Georgia

Upon completion of the presentation, the participant will be prepared to:

- Determine the medical and economic consequences of poly-pharmacy as they relate to individual patients, to the patient community served, and society as a whole.
- Discuss in clearly understood language with the elderly patient the unique pharmacokinetics, and identify how high risk drug interactions may affect them, including recognition of these cause-effects.
- Develop a strategy to minimize adverse drug reactions in the elderly patient.

8:25-8:40 a.m. Audience participation, questions and answers

8:40 a.m.

Medical Toxicology

What is involved in medical toxicology and the toxicologist role in diagnosis and treatment?

Mark E. Thoman, MD, FAAP, FACMT, FAA Sr. Aviation Medical Examiner, Scientific Review Panel member, NIH, National Library of Medicine, CAPTAIN, Flight Surgeon, USN (Ret), Port Orchard, Washington

Upon completion of the presentation, the participant will be prepared to:

- Choose when it is appropriate to call in a medical toxicology consultant.
- Determine how to find and contact a medical toxicologist.
- Assess when to assume full care of the poisoned patient once stabilized.

9:25-9:40 a.m. Audience participation, questions and answers

9:40 a.m.

Break

9:55 a.m.

Facial Nerve Disorders: Evaluation and Management

What are the common causes of facial weakness and what can be done about it?

Vincent B. Ostrowski, MD, Neurologist, Midwest Ear Institute, Indianapolis, Indiana

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

- Distinguish etiologies of common facial nerve disorders.
- Determine the most appropriate treatment option for various facial nerve dysfunctions.

10:40-10:55 a.m. Audience participation, questions and answers

10:55 a.m.

Barometric Pressure and Oncology

How do oxygen/psi states impact cancer cells and wound healing?

S. Vaughn Dill, MD, Radiation Oncologist, University of Tennessee Medical Center, Knoxville, Tennessee

Upon completion, participants will be prepared to:

- Recognize and describe the impact of oxygen/pressure on malignant and healthy tissues.

11:40-11:55 a.m. Audience participation, questions and answers

11:55 a.m.

What GA Can Learn from “Big Data” (NON-CME Presentation)

How does my airplane’s engine performance compare to that of similar aircraft engines?

Michael D. Busch, A&P/IA, CFIA./I/ME, President, Savvy Aviator, Inc., Arroyo Grande, California
Roughly half the airplanes in today’s GA fleet are equipped with a digital engine monitor. These monitors capture critical engine and aircraft parameters every 1 to 6 seconds. Most is discarded, but over the past several years we’ve been able to collect a substantial quantity of this data. This represents more than 1,000,000 flights of 7,000 aircraft! There are lots of interesting things we can learn from analyzing such “big data.”

Upon completion of the presentation, the participant will take away:

- What we can learn from “cohort analysis” of captured aircraft data.
- The value of comparing data from individual aircraft against a cohort of comparable aircraft.
- What the future holds for analysis of “big data” from GA aircraft.

12:55 p.m.

Adjourn for the day.

Monday, June 5, 2017

7:15 am Registered Attendee Sign-in

John Sevier Lobby

7:30 am Announcements

Mississippi/Kentucky/Georgia

7:40 a.m. – 10:55 a.m. SESSION THREE

7:40 a.m. **Thyroid Disease in the Aviator**

What approach best expedites medical certification of an airman with a thyroid disorder?

John E. Freitas, MD, Professor of Radiology Emeritus, University of Michigan Medical School, Nuclear Medicine (Retired)/ Aviation Medical Examiner, St. Joseph Mercy Hospital, Ypsilanti, Michigan.

Upon completion of the presentation, the participant will be prepared to:

- Demonstrate the proper sequence of testing including serum TSH, thyroid antibody studies, thyroid ultrasound, and/or fine needle aspiration in the evaluation of an airman with goiter/nodule.

8:25-8:40 a.m. Audience participation, questions and answers

8:40 a.m. **Gastroenterology: Update 2017**

What are the recommended patient screening assessments and most effective treatments and drugs available for GI patients in 2017?

Bernard A. Heckman, MD, Gastroenterologist, Silver Spring, Maryland

At the conclusion of the presentation, the participant will be prepared to:

- Assess and use patient selection and an effective immunization schedule for hepatitis C.
- Determine drugs effective for auto-immune hepatitis patients.
- Incorporate screening tests for patients suspected of having progressive sclerosing cholangitis.
- Adopt the new name and treatment guidelines for primary biliary cirrhosis.
- Develop individual follow-up test plans and timetables for liver cirrhosis patients.

9:25-9:40 a.m. Audience participation, questions and answers

9:40 a.m. Break

9:55 a.m. **Medical Ethics: Past, Present and Future Challenges**

What current principles (or litmus tests) are used to determine whether or not a patient care decision is medically ethical or not?

John P. Hey, MD, Family Practice Medicine, Aviation Medical Examiner, Greenwood, Mississippi

Upon completion of the presentation, the participant will be prepared to:

- Explain the Code of Classical Hippocratic Ethics.
- Explain modern paradigms challenging the centuries old Code of Classical Hippocratic Ethics.
- Describe changes made to the Classic Hippocratic Medical Ethic Decision-making Process for modern times.
- Explain possible future Medical Ethics scenarios which may require further modifications of the principles of Medical Ethics ascribed to by practicing Physicians.

10:40-10:55 a.m. Audience participation, questions and answers

10:55 a.m. Adjourn for the Day

6:00 p.m. "Stump the IA" Aviation Session for Pilots (NON-CME session)

Mike Busch, IA

Tuesday, June 6, 2017

7:15 am Registered Attendee Sign-in

John Sevier Lobby

7:30 am Announcements

Mississippi/Kentucky/Georgia

7:40 a.m. – 12:55 p.m. SESSION FOUR

7:40 a.m. **Keeping the Flying Physician Alive II (NON-CME presentation)**

How do I avoid high risk areas that concern physician pilots under both visual and instrument flight rules?

Bruce A. Landsberg, AOPA Safety Consultant and pilot, Mt. Pleasant, South Carolina

At the conclusion of the presentation, the participant will be prepared to:

- Operate an aircraft safely, whether for business or personal use.

8:25-8:40 a.m. Audience participation, questions and answers

8:40 a.m.

Current Status of the Treatment of Acute Traumatic Brain Injury

What is the most common mechanism of injury that results in a traumatic brain injury?

F. Barry Knotts, MD, PhD, FACS, General Surgeon, Associate Clinical Professor of Surgery, Medical Director of Trauma and Acute Care Surgery, Mercy Health St. Vincent Medical Center, Perrysburg, Ohio

Upon completion of the presentation, the attendee will be prepared to:

- Identify the one standard of traumatic brain injury care.
- Apply the most recent guidelines for management of traumatic brain injury.
- Assess the mechanisms of care for traumatic of brain injury and establish potential for use in the future.

9:25-9:40 a.m. Audience participation, questions and answers

9:40 a.m.

Break

9:55 a.m.

Cervical Radiculopathy Spinal Surgery: A Contemporary Update

What does a herniated disk look like; how is a herniated disk treated; and when can one resume normal activities following herniated disk surgery?

Michael D. Smith, MD, Orthopedic Spine Surgeon, Twin Cities Orthopedics, Edina, Minnesota

Upon completion of the presentation, the participant will be prepared to:

- Obtain a detailed patient history and consider typical presentations to establish a diagnosis of cervical radiculopathy.
- Discuss in clear and simple language with the patient the standard surgical procedures and non-surgical interventions for effective management of cervical radiculopathy.
- Determine the most appropriate and safest treatment for the individual cervical radiculopathy patient by analysis of diagnostic tests including plain radiography, CT and MRI scanning, and advanced investigation such as EMG or injection based approaches.

10:40-10:55 a.m. Audience participation, questions and answers

10:55 a.m.

Pain Management during Total Joint Arthroplasty

How soon after joint arthroplasty may a pilot fly?

David Butler, MD, Orthopedic Surgeon, Butler Orthopedics, Orland Park, Illinois.

Upon completion of the presentation, the participant will be prepared to:

- Assess and consider use of techniques and protocols developed for pain management before, during and after total joint arthroplasty of the shoulder, hip and knee.

11:40-11:55 a.m. Audience participation, questions and answers

11:55 a.m.

Flying the Second Medical Mile to Serve Others – A Panel Discussion

How may a physician-pilot and family get involved in humanitarian medical service that uses both medical training and aircraft skills? How do you balance professional and personal commitments and also perform medical mission service?

Panelists: Jeff Eastman, Chief Executive Officer, Remote Area Medical, Rockford, Tennessee; John T. Kihm, MD, Internal Medicine, Priority Medicine, Durham, North Carolina; Stephen W. Merritt, CFI, Airport Manager, Triangle North Executive Airport, Durham, North Carolina, Co-Founder Bahamas Habitat, Cary North Carolina. Moderator: John E. Freitas, MD, FPA Samaritan Committee Chair.

Upon completion of the presentation, the participant will be prepared to:

- Describe qualifications needed to participate in humanitarian medical missions.
- Identify logistics and planning necessary to provide medical goods and services to the mission field including use of private aircraft.
- Promote and organize participation among members of the Flying Physician Association in humanitarian outreach, using training and skills as a physician-pilot to serve the underserved.

12:55 p.m..

Adjourn for the day.

1:00 p.m.

Annual Business Meeting