Description
This course is designed for practicing orthopaedic surgeons, orthopaedic residents and fellows, and medical students who plan to specialize in the practice of orthopaedic surgery. The need for this program arose from the responses from previous course evaluations.

Educational Objectives
Upon completion of this course, the participant should be able to:
- Identify, evaluate and treat musculoskeletal issues of the aging population in the upper extremity.
- Recognize, evaluate and treat musculoskeletal issues of the aging population in the lower extremity.
- Identify, evaluate and treat musculoskeletal traumatic injuries in the aging population.
- Apply evidence-based medicine, best-practices and novel medical and surgical approaches to the above.
- Understand medical and pain management issues specific to the aging population that will impact musculoskeletal care.

Accreditation Statement
This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the American Academy of Orthopaedic Surgeons and the Pennsylvania Orthopaedic Society. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians. The American Academy of Orthopaedic Surgeons designates this live activity for a maximum of 13.5 AMA PRA Category 1 Credits™. Physicians should claim only credit commensurate with the extent of their participation in the activity.

Faculty Disclosure
A complete listing of faculty is included in this program. Any and all faculty disclosures will be provided in the Final Program which will be distributed at the course to all meeting attendees.

Disclaimer
The material presented in this continuing medical education program is being made available by the American Academy of Orthopaedic Surgeons and the Pennsylvania Orthopaedic Society (POS) for educational purposes only. The material is not intended to represent the only, nor necessarily the best, methods or procedures appropriate for the medical situation discussed, but rather is intended to present an approach, view statement, or opinion of the authors or presenters, which may be helpful, or of interest, to other practitioners.
PROGRAM

Thursday, April 10, 2014

6:30-7:15am  Registration • Continental Breakfast

7:15-7:30am  Welcome
Kevin Black, MD
Announcements
Charles Davis III, MD, Ph.D.

Session I  TOTAL HIP & KNEE ARTHROPLASTY

Moderators:  Gregg Raab, MD; Neil Sheth, MD

7:30-7:50am  Diagnosis and Management of Osteolysis Around a Well Fixed THA
Neil Sheth, MD

7:50-8:10am  Hip Replacement in the Geriatric Patient - Special Considerations for a Special Patient Population
Brian Klatt, MD

8:10-8:30am  Primary TKA Tutorial: Techniques to Avoid Common Causes of Revision Surgery
James Fenwick, MD

8:30-8:50am  Pain Management After TKA
Brett Perricelli, MD

8:50-9:00am  Q & A

9:00-9:30am  MORNING BREAK / VISIT EXHIBITS

Session II  TUMOR & METABOLIC DISEASE

Moderators:  Edward Fox, MD; Thomas Bowen, MD

9:30-9:50am  Primary Bone / Soft Tissue Sarcomas: Keeping Out of Trouble
John Abraham, MD

9:50-10:10am  Metastatic Disease Ortho. Management: Rod vs. Plate
Thomas Bowen, MD

10:10-10:30am  Osteoporosis: What the Orthopaedist Should Know
Edward Fox, MD

10:30-10:50am  Discussion / Q & A

Session III  THE AGING FOOT

Moderators:  Paul Juliano, MD; Gerard Cush, MD

10:50-11:00am  Achilles Tendon
Blake Moore, MD

11:00-11:10am  Posterior Tibial Tendon Dysfunction
Umur Aydogan, MD
11:10-11:20am  Mid-Foot Arthritis  
               Steve Lillmars, DO

11:20-11:30am  Bunions  
               Steve Conti, MD

11:30-11:40am  Lesser Toe Deformities  
               Carl Hasselman, MD

11:40-11:50am  Advances in Ankle Replacement  
               Alexander Kline, MD

11:50am-12:00pm Q & A

12:00-1:30pm  Luncheon: Speaker  
               Governor Tom Corbett

**Session IV**  
**TRAUMA**

*Moderators:* Henry Boateng, MD; William Delong, MD

1:30-1:50pm  Periprosthetic Fractures  
              Ney Nwachuku, MD

1:50-2:10pm  Alternatives to Internal Fixation in Osteoporotic Bone  
              J. Spence Reid, MD

2:10-2:30pm  Challenges of Instituting a Geriatric Fracture Program  
              Alan Klein, MD

2:30-2:50pm  Acetabular Fractures in Geriatric Patients  
              Gary Updegrove, MD

2:50-3:00pm Q & A

3:00-3:30pm  **AFTERNOON BREAK / VISIT EXHIBITS**

**Session V**  
**WRIST / HAND**

*Moderators:* Kenneth Taylor, MD; Jack Ingari, MD

3:30-3:40pm  Introduction to Distal Radius Fractures  
              Jack Ingari, MD

3:40-3:55pm  Distal Radius Current Concepts  
              Michael Darowish, MD

3:55-4:05pm  Rehabilitation of Distal Radius Fractures  
              Kathleen Beaulieu, OTR/L, CHT

4:05-4:15pm  Introduction to Thumb CMC Osteoarthritis  
              Kenneth Taylor, MD
4:15-4:30pm  Thumb CMC Osteoarthritis Current Concepts  
**Alexander Payatakes, MD**

4:30-4:40pm  Rehabilitation of Thumb CMC Osteoarthritis  
**Dierdre Curran, Ms, OTR/L**

4:40-4:50pm  Q & A

**Friday, April 11, 2014**

6:30-7:15am  Registration • Continental Breakfast

7:15-7:20am  Announcements  
**Charles Davis, III, MD, Ph.D.**

**Session VI  SHOULDER**

**Moderators:**  **April Armstrong, MD; Joseph Abboud, MD**

7:20-7:30am  Update on Treatment of Rotator Cuff Tears  
**Hyun-Min (Mike) Kim, MD**

7:30-7:45am  Joint Replacement for Proximal Humerus Fractures  
**Jack Kazanjian, DO, FAOAO**

7:45-8:00am  New Advances in Anatomic Total Shoulder Arthroplasty  
**Mark Lazarus, MD**

8:00-8:15am  Update on the Reverse Ball and Socket Implant  
**Gerald Williams Jr., MD**

8:15-8:30am  Discussion / Q & A

8:30-9:00am  Forever Young: The Aging Athlete  
**Matthew Silvis, MD**

9:00-9:30am  MORNING BREAK / VISIT EXHIBITS

**Session VII  HEALTHCARE REFORM, POLITICAL ISSUES**

**Moderator:**  **Kevin Black, MD**

9:30-9:35am  POS Business Meeting  
**Kevin Black, MD**

9:35-10:05am  Legal Issues & Continuing Challenges in Healthcare  
**Michael Suk, MD, JD, MPH, FACS**

10:05-10:15am  OrthoPAC Update  
**Charles (Chip) Hummer III, MD**

10:15-10:45am  How the Clinical Co-management Agreements can be Beneficial to Both the Hospital & Physicians  
**Todd Godfrey**
10:45-11:00am  Discussion / Q & A

Session VIII  FELLOW / RESIDENT PRESENTATIONS

Moderator:  Angela Rowe, DO

11:00-11:10am  Healing Time and Complications in Operatively Treated Atypical Femur Fractures Associated With Bisphosphonate Use: A Multicenter Series
Kristin McPhillips

11:10-11:20am  Incidence of Injury to the Infrapatellar Branch of the Saphenous Nerve After ACL Reconstruction: A Prospective Study
Ryan Watson, BA

11:20-11:30am  Distal Peripheral Neuropathy After Open And Arthroscopic Shoulder Surgery: An Under-Recognized Complication
Benjamin Golden Thomasson, DO

11:30-11:40am  Chondroprotection and the Prevention of Osteoarthritis Progression of the Knee: A Systematic Review of Treatment Agents
Brian Gallagher, BS

11:40-11:50am  Outcomes for Ulnar Collateral Ligament Reconstruction: A Retrospective Review Using a Validated Assessment Tool with 2 Year Follow-Up
Daniel Woods, MD

11:50am-12:00pm  Discussion / Q & A

12:00-1:30pm  Announce Fellow/Resident Winner & Luncheon Speaker Operation Walk (30 Min.)
Thomas Muzzonigro, MD

Session IX  ANESTHESIA & MEDICAL COMPLICATIONS

Moderators:  Eileen Hennrikus, MD; Sanjib Adhikary, MD

1:30-1:55pm  Preventing Post – op Delirium in the Geriatric Patient
Nicole Osevala, MD / Geriatrician

Thomas Verbeek, MBChB / Anesthesiologist

2:20-2:45pm  Discussion / Q & A

2:45-3:15PM  AFTERNOON BREAK / VISIT EXHIBITS
Session X  SPINE

**Moderator:**  Mark Knaub, MD

3:15-3:35pm  Spine Surgery in Older Patients: Concerns and Considerations  
Jeffrey Rihn, MD

3:35-3:55pm  Odontoid Fractures in the Elderly  
Matthew Eager, MD

3:55-4:15pm  Osteoporotic Compression Fractures  
Patrick Smith, MD

4:15-4:30pm  Q & A, Closing Remarks!

Thank you for your participation. Meeting Adjourned!

Program Chairman

Charles Davis, III, MD, Ph.D.
Chief Hip and Knee Arthroplasty Division, Professor of Orthopaedics and Rehabilitation, Penn State Hershey Medical Center, Hershey, PA

Guest Faculty

Governor Tom Corbett  
Commonwealth of Pennsylvania

Todd Godfrey  
Senior Manager. ECG Management Consultants, Inc., Boston, MA

Michael Suk, MD, JD, MPH, FACS  
Chairman, Department of Orthopaedic Surgery, Geisinger Health System, Danville, PA

Invited Faculty

Joseph Abboud, MD  
Associate Professor, Orthopedic Surgery, Shoulder and Elbow Surgery, Thomas Jefferson University, The Rothman Institute, Philadelphia, PA

John Abraham, MD  
Assistant Professor of Orthopedic Surgery and Radiation Oncology, Chief of Orthopedic Oncology, The Rothman Institute, Philadelphia, PA

Sanjib Adhikary, MD  
Associate Professor of Anesthesiology, Division Director for Regional Anesthesia and Acute Pain Medicine, Department of Anesthesiology, Penn State College of Medicine, Hershey, PA

April Armstrong, BSc(PT), MSc, MD, FRCSC  
Professor, Chief Shoulder and Elbow Surgery, Associate CMO PSHMG Surgical Care, Penn State Hershey Medical Center, Bone and Joint Institute, Hershey, PA
Umur Aydogan, MD  
Assistant Professor, Foot and Ankle Surgery, Penn State Hershey Medical Center, Penn State College of Medicine, Penn State Hershey Bone and Joint Institute, Hershey, PA

Kathleen Beaulieu, OTR/L, CHT  
Occupational Therapist, Certified Hand Therapist, Penn State Hershey Medical Center, Hershey, PA

Kevin Black, MD  
President, Pennsylvania Orthopaedic Society, Professor and C. McCollister Evarts Chair, Department of Orthopaedics and Rehabilitation, Vice Dean for the University Park Regional Medical Campus, Penn State Hershey Medical Center, Hershey, PA

Henry Boateng, MD  
Associate Professor, Orthopaedic Trauma Service, Penn State Hershey Medical Center, Hershey, PA

Thomas Bowen, MD, FAAOS  
Associate, Department of Orthopaedic Surgery, Director, Sarcoma and Bone Cancer Clinic, Geisinger Health System, Danville, PA

Stephen Conti, MD  
Clinical Professor of Orthopaedic Surgery, University of Pittsburgh School of Medicine, Orthopaedic Foot and Ankle Surgeon, Orthopaedic Specialists-UPMC, Pittsburgh, PA

Dierdre Curran, Ms,OTR/L  
Occupational Therapist, Penn State Hershey Medical Center, Hershey, PA

Gerard Cush, MD  
Chief, Foot and Ankle Surgery, Director, Orthopaedic Residency Program, Geisinger Health System, Danville, PA

Michael Darowish, MD  
Assistant Professor, Hand Service, Bone and Joint Institute, Penn State Hershey Medical Center, Hershey, PA

William DeLong Jr., MD  
Charles and Anna Kasych Chair Professor of Orthopaedic Surgery, Anatomy and Cell Biology, Temple School of Medicine, Chief of Orthopaedic Surgery, St. Luke’s University Health Network, Bethlehem, PA

Matthew Eager, MD  
Orthopaedic Spine Surgeon, SUN Orthopaedics of Evangelical Evangelical Community Hospital, Lewisburg, PA

James Fenwick, MD  
Orthopaedic Surgeon, Hanover, PA

Edward Fox, MD  
Professor of Orthopaedic Musculoskeletal Oncology and Medicine, Penn State Hershey Medical Center, Bone and Joint Institute, Hershey, PA

Carl Hasselman, MD  
Clinical Instructor, Three Rivers Orthopedics-UPMC, Pittsburgh, PA

Eileen Hennrikus, MD  
Associate Professor of Medicine, Penn State Hershey Medical Center, Hershey, PA

Charles (Chip) Hummer III, MD  
Orthopaedic Surgeon, Premier Orthopaedics, Medical Director/Team Physician, Swarthmore College, Medical Director/Team Physician Philadelphia Union of MLS, Upland, PA

John Ingari, MD  
Fellowship Director, York Hand Fellowship, York PA Asst. Prof of Surgery, Uniformed Services University of the Health Sciences, York, PA

Paul Juliano, MD  
Professor, Vice Chair, Resident Program Director, Penn State Bone and Joint Institute, Foot and Ankle Specialist, Penn State Hershey Medical Center, Hershey, PA

Jack Kazanjian, DO, FAOAO  
Assistant Clinical Professor -Dept of Orthopaedic Surgery, Philadelphia College of Osteopathic Medicine, Premier Orthopaedics and Sports Medicine Associates, Havertown, PA

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Assistant Professor, Shoulder and Elbow Service, Department of Orthopaedics and Rehabilitation, Penn State Hershey Medical Center, Hershey, PA
Brian Klatt, MD
Assistant Professor, Department of Orthopaedic Surgery, University of Pittsburgh, Pittsburgh, PA

Alan Klein, MD
Clinical Associate Professor, Department of Orthopaedic Surgery, University of Pittsburgh School of Medicine, Physician Lead, Geriatric Fracture Clinical Pathway, UPMC Health System, Pittsburgh, PA

Alexander Kline, MD
Clinical Instructor, Orthopaedic Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA

Mark Knaub, MD
Assistant Professor, Department of Orthopaedics and Rehabilitation, Chief, Orthopaedic Spine Service, Penn State Hershey Medical Center, Hershey, PA

Mark Lazarus, MD
Associate Professor, Department of Orthopaedic Surgery, The Rothman Institute, Thomas Jefferson University, Philadelphia, PA

Steven Lillmars, DO, FAAOS
Orthopedic Surgeon, Geisinger Health System, Danville, PA

Thomas Muzzonigro, MD
Director of Orthopaedic Services, Butler Health System; Partner, Tri Rivers Surgical Associates, Pittsburgh, PA

Chinenye Nwachuku, MD
Orthopaedic Trauma, St. Luke’s University Health Network, Assistant Clinical Professor of Orthopaedic Surgery, Temple University School of Medicine, Philadelphia, PA

Nicole Osevala, MD
Assistant Professor of Medicine, Penn State Hershey Medical Center, Hershey, PA

Alexander Payatakes, MD
Assistant Professor, Hand Service, Bone and Joint Institute, Penn State Hershey Medical Center, Hershey, PA

Brett Perricelli, MD
Orthopaedic Surgeon, South Hills Orthopaedic Surgery Associates, Bethel Park, PA

Gregg Raab, MD
Assistant Professor, Adult Reconstructive Surgery, Penn State Hershey Medical Center, Hershey, PA

J. Spence Reid, MD
Professor, Chief of Orthopaedic Trauma, Penn State Hershey Medical Center, Hershey, PA

Jeffrey Rihn, MD
Associate Professor, Thomas Jefferson University Hospital, The Rothman Institute, Philadelphia, PA

Angela Rowe, DO
Orthopedic Surgeon, Vice President, Blair Orthopedics, Altoona, PA

Neil Sheth, MD
Assistant Professor of Orthopaedic Surgery, University of Pennsylvania, Philadelphia, PA

Matthew Silvis, MD
Program Director, Penn State Primary Care Sports Medicine Fellowship, Hershey Associate Professor, Departments of Family and Community Medicine & Orthopedics and Rehabilitation, Penn State Hershey Medical Center, Hershey, PA

Patrick Smith, MD
Clinical Instructor, Three Rivers Orthopaedics, UPMC-St. Margaret’s Hospital, Pittsburgh, PA

Kenneth Taylor, MD
Associate Professor, Chief, Division of Orthopaedic Hand Surgery, Penn State Hershey Medical Center, Hershey, PA

Thomas Verbeek, MBChB
Assistant Professor of Anesthesiology, Penn State Hershey Medical Center, Hershey, PA

Gerald Williams Jr., MD
Professor, Orthopaedic Surgery, Chief, Division of Shoulder and Elbow Surgery, The Rothman Institute, Thomas Jefferson University, Philadelphia, PA
Fellow / Resident Speakers

Brian Gallagher, BS
BS, The Rothman Institute, Thomas Jefferson University, Philadelphia, PA

Kristin McPhillips
Research Fellow, Geisinger Health System, Danville, PA

Blake Moore, MD
Fellow, Department of Orthopaedics, Penn State Hershey Medical Center, Hershey, PA

Benjamin Golden Thomasson, DO
Chief Orthopedic Resident, Rowan University School of Osteopathic Medicine, Stratford, NJ

Gary Updegrove, MD
Resident, Department of Orthopaedic Surgery, Penn State Hershey Medical Center, Hershey, PA

Ryan Watson, BA
Medical Student, Jefferson Medical College, Philadelphia, PA

Daniel Woods, MD
Fellow, The Rothman Institute, Philadelphia, PA
HOTEL INFORMATION

Hershey, Pennsylvania is known the world over as Hershey The Sweetest Place On Earth®. A year-round destination with a wide array of attractions, Hershey was rated a top family vacation spot by Smart Money and FamilyFun magazines. Hershey is conveniently located in Central Pennsylvania, just 90 minutes from Baltimore and Philadelphia, 2 hours from Washington, DC and 3 hours from New York City.

Please register on line or call 717.533.2171 or 1.800.437.7439 to make your reservations for The Hotel Hershey®. When making your reservations, be certain to identify yourself as part of the Pennsylvania Orthopaedic Society 2014 Spring Meeting block. Reservation ID number is #1317298. The daily room rate for the POS room block is $199 and is subject to an additional 5% occupancy and 6% sales tax. Complimentary parking for all guests.

A limited number of rooms are available at the POS group rate. Reservations must be made by March 14, 2014 to receive the POS rate. Check in available after 4:00pm / check-out 12:00pm. PLEASE MAKE YOUR RESERVATIONS EARLY. For more Hotel information please visit the following website: www.thehotelhershey.com.

EVENT INFORMATION

POS Welcome Reception ~ The Fountain Lobby
Wednesday, April 9, 6:00 – 7:30pm
Come mingle with family, colleagues, and friends at the POS Welcome Reception. Complimentary drinks and hors d’oeuvres will be served. Open to all attendees and a guest.

EXHIBITORS please go to our website:
www.paorthosociety.org
or email
Susan Sands at susan@paorthosociety.org

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PHYSICIAN REGISTRATION

Pennsylvania Orthopaedic Society 2014 Spring Scientific Meeting
Treating Musculoskeletal Disease in an Aging Population
April 10-11, 2014
The Hotel Hershey, Hershey, PA

Register by March 14th and save $75. You can also register online at www.paorthosociety.org

Last Name: ______________________________ Title (MD/DO) ________________

First Name: ______________________________

Office Address: ___________________________________________________________

City: __________________ State: ___________ Zip: _____________________________

Email: _________________________________

Office Phone: _____________________________________________________________

Office Contact: ___________________________________________________________

Registration fee includes admission to scientific sessions, continental breakfasts, luncheons, refreshment breaks, exhibit hall, and Wednesday Welcome Reception (attendee and one guest).

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Wednesday Welcome Reception, (attendee & one guest) @ no charge (number) __________

Payment Method (Please check appropriate box):

☐ CHECK enclosed made payable to POS
☐ CREDIT CARD: ___________ AMEX _________ VISA ___________ MC

TOTAL $ ____________

Card Number: ________________________________

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Signature: ____________________________________________

Please mail this form with payment to: Susan Sands
Pennsylvania Orthopaedic Society – 510 N. 3rd St., 3rd Fl., Harrisburg, PA 17101
Phone: 717-909-8901 – Fax: 717-909-8906 – susan@paorthosociety.org

Cancellation Policy: There will be a $100 processing fee for cancellations received before March 14, 2014. Refunds will NOT be granted for cancellations received on or after March 14, 2014.
UPCOMING POS MEETINGS

March 18, 2014
Specialty Specific ICD-10 Training: Orthopaedics in 2014
Crowne Plaza Valley Forge
King of Prussia, PA

March 27, 2014
Specialty Specific ICD-10 Training: Orthopaedics in 2014
Sheraton Station Square Hotel
Pittsburgh, PA

October 23-24, 2014
Fall Scientific Meeting
Controversies in Orthopaedic Trauma
Nemacolin Woodlands Resort, Farmington, PA