Lee S. Segal, MD

Lee S. Segal, MD, is the Herbert S. Louis, MD, Endowed Chair of Pediatric Orthopaedics at Phoenix Children's Hospital, and Clinical Professor of Orthopaedics and Pediatrics at the University of Arizona College of Medicine.

Dr. Segal earned his medical degree at Temple University School of Medicine and completed his orthopaedic surgery residency at Southern Illinois University School of Medicine. He then completed a fellowship in pediatric orthopaedic surgery at The Children's Hospital of Philadelphia under the direction of Denis S. Drummond, MD. He was a faculty member in the Department of Orthopaedics and Rehabilitation at Penn State Milton S. Hershey Medical Center and Penn State College of Medicine from 1990-2007.

He has published over 50 peer-reviewed articles and six book chapters. He was awarded the Resident Teaching Award in 2000, and was honored with the Leonard Tow Humanism in Medicine Award in 2004 by the faculty and students of Penn State College of Medicine.

The Buchanan Lecture

Dr. Buchanan was a graduate of Swarthmore College and The College of Medicine of the University of Maryland. After completing his orthopaedic residency here at Penn State, he joined the orthopaedic faculty.

His active clinical practice combined general orthopaedics and hand surgery. In the laboratory, he applied an interest in vitamin D metabolism to the problem of postmenopausal osteoporosis. His pioneering work in this field earned him several research grants and invited lectureships throughout this country and abroad.

Buck was a true renaissance man. Interest in any subject seemed to lead inevitably to expertise. He was simultaneously a clinician, a teacher, an authority on the world's finest restaurants, a wine connoisseur, a professional-level pianist, a brilliant wit, and to those who knew him, a valued husband, father, and friend.

Description

The Buchanan Lecture was established in 1990 to honor the memory of James Robert Buchanan, MD. *Buck* had achieved the rank of Associate Professor in the Division of Orthopaedic Surgery and become an internationally respected investigator in calcium endocrinology and metabolic bone disease by the time his short career ended.

Audience

This program is designed for physicians, PhDs, physician assistants, nurse practitioners, nurses, and residents.

Objectives

Upon completion, participants should be able to:

1. Identify areas of improvement in orthopaedic practice
2. Use new basic science techniques to aid clinical decision making
3. Employ evidence-based practices in orthopaedic care

Fee/Registration/Cancellation

There is no fee for this program. Registration, however, is required. The University may cancel or postpone any course or activity because of insufficient enrollment or other unforeseen circumstances. If a program is canceled or postponed, the University cannot be held responsible for any related costs, charges, or expenses, including cancellation/change charges assessed by airlines or travel agencies. Preregistered participants will be notified if a program is filled or canceled.

Access

Penn State encourages persons with disabilities to participate in its programs and activities. If you anticipate needing any type of special accommodation or have questions about the physical access provided, please contact Penn State Orthopaedics at least one week in advance of your participation or visit.

Penn State College of Medicine
Department of Orthopaedics and Rehabilitation

(presents)

23nd Annual

James Buchanan Memorial Lecture

Friday, June 15, 2012

University Conference Center
on the campus of
Penn State Milton S. Hershey Medical Center
Hershey, Pennsylvania

PENNSTATE HERSHEY
Orthopaedics and Rehabilitation

Program Schedule

7:15 a.m. *Continental Breakfast and Registration*

7:45 **Opening Remarks**
Kevin P. Black, MD*
Professor and C. McCollister Evarts Chair

8:00 **Pity the Young Surgeon Whose First Case is a Fracture Around the Elbow**
Lee S. Segal, MD
Chief, Division of Pediatric Orthopaedic Surgery
Director, Pediatric Orthopaedic Surgery Fellowship
Clinical Professor of Orthopaedic Surgery and Pediatrics
University of Arizona College of Medicine
Herbert S. Louis, MD, Endowed Chair of Pediatric Orthopaedics
Phoenix Children's Hospital
Phoenix, Arizona

9:00 **Outcomes in Surgical Treatment of FAI**
Cody A. Nikolai, MD*
Chief Resident

9:15 **Mechanical Damage Evolution in Cemented Glenoid Replacement and Its Relationship to Implant Loosening**
Gregory S. Lewis, PhD*
Assistant Professor

9:30 **Postoperative Management Following Anatomical Reconstruction of the Lateral Ankle Ligament**
John D. Duerden, MD*
Foot and Ankle Fellow

9:45 **Role of Connexin43 in the Skeletal Response to Mechanical Unloading**
Shane A. J. Lloyd*
Graduate Student

10:00 *Break*

10:15 **Outcomes Following Operative Fixation of Distal Humerus Fractures with or without Ulnar Nerve Transposition**
Jason G. Dalling, MD*
Chief Resident

10:30 **Locked Biocortical Fixation for Periprosthetic Proximal Femur Fractures**
Samuel A. McArthur, MD*
Trauma Fellow

10:45 **Single Nucleotide Polymorphisms in Osteogenic Genes in Atrophic Delayed Fracture Healing**
Vikram M. Sathyendra, MD*
Resident, PGY IV

11:00 **Use of Imaging Studies to Establish Criteria for Operative versus Non-operative Treatment for Unilateral Cervical Facet Fractures**
Sandeep N. Gidvani, MD*
Chief Resident

11:15 **Specific-Scale Hydroxyapatite Nanotopographies Enhance Bone Graft Osteointegration**
Alayna E. Loiselle*
Post Doctoral Fellow

11:30 **Mechanical Regulation of Mineral Remodeling**
Peter M. Govey*
Graduate Student

11:45 *Lunch*

12:25 p.m. **Neuromuscular Scoliosis: Evaluation and Treatment**
Lee S. Segal, MD

12:45 **Factors Predictive of Outcome Following Knee Arthroscopy/ Menisectomy**
Torre B. Ruth, MD*
Chief Resident

1:00 **Return to Unrestricted Activities After ACL Reconstruction: Comparison of Functional Activity Testing and Isokinetic Testing as Guide to Decision-Making**
Christopher O. Amuwa, MD*
Orthopaedic Sports Medicine Fellow

1:15 **Biophysical Performance Analyses of Women Ice Hockey Athletes**
Cayce A. Onks, MD*
Primary Care Sports Medicine Fellow

1:30 **Studies in Articular Cartilage Injury and Regeneration**
Tamara K. Pylawka, MD*
Chief Resident

1:45 **Early AO Biomarkers Before Radiographic or Symptomatic Signs Using MRI**
Kenneth L. Urish, MD*
Resident, PGY IV

2:00 *Program Evaluation*

2:15 **Resident Session with Dr. Segal**

3:15 *Program Adjournment*

* Department of Orthopaedics and Rehabilitation, Penn State Milton S. Hershey Medical Center, Penn State College of Medicine

Credit

Penn State College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Penn State College of Medicine designates this live activity for 6.0 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

It is our policy to ensure balance, independence, objectivity, and scientific rigor in all of our educational programs. Faculty and course directors have disclosed relevant financial relationships with commercial companies, and Penn State has a process in place to resolve any conflict of interest. Complete faculty disclosure will be provided to program participants at the beginning of the activity.

To register for this program, contact:

Mail: Trish Young
Penn State Hershey Bone and Joint Institute
30 Hope Drive EC089, P.O Box 859
Hershey, PA 17033

Phone: 717-531-2948

Web: www.pennstatehershey.org/ortho

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