

## 2013 Orthopedic Department Research and Education Activity Report

The following details some of the past year's activity of the physicians associated with the

### 2013 Orthopaedic Department Reference List

- 1.

## 2013 Orthopedic Department Research and Education Activity Report

Ponte Osteotomies With Pedicle Screw Instrumentation in the Treatment of Adolescent Idiopathic Scoliosis. *Spine Deformity* 1[3], 196-204. 2013. oi:10.1016/j.jspd.2013.03.002

15.



## 2013 Orthopedic Department Research and Education Activity Report

Title: Towards Quality and Safety in Spinal Surgery: Use of a Multicenter Database Registry for Quality Improvement

Location: McCormick Place, Room S10

Time: Friday, March 22, 2013, 3:06 PM

# 2013 Orthopedic Department Research and Education Activity Report

1.



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4. Paper #175: What is the Anticipated U.S. Cost of Pedicle Screws Versus Luque Wire Instrumentation for Neuromuscular Scoliosis Surgery? A. Noelle Larson, MD; Charles Gerald T. Ledonio, MD; David W. Polly, MD; Suken A. Shah, MD; Scott J. Luhmann, MD Saturday 11:04-11:08 East Ballroom AB

### e-Poster

251. Risk and Predisposing Factors in Surgical Site Infections After Pediatric Spinal Deformity Surgery: Density Case-Control Assessment Jesse Allert, MD; Sina Pourtaheri, MD; Freeman Miller, MD; Kirk W. Dabney, MD; Laurens Holmes, PhD, DrPH; Suken A. Shah, MD; Susan Dubowy, BS USA

260. Should Cerebral Palsy Patients Undergo Scoliosis Deformity Correction in the Winter Months? Burt Yaszay, MD; Paul D. Sponseller, MD; Suken A. Shah, MD; Amer F. Samdani, MD; Firoz Miyanji, MD, FRCSC; Jahangir Asghar, MD; Peter O. Newton, MD; Harms Study Group

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### Presentation

AIS I: Clinical & Radiologic Evaluation session

When Can Stopping Short Predictably Give Good Results in AIS? Suken A. Shah, MD

Thursday 14:40-14:50 (session starts at 14:20) East 2&3

2A: EOS: Clinical Evaluation/Surgical Techniques

Timing of Surgery and Indications for Definitive Fusion. Suken A. Shah, MD

Friday 14:30-14:40 (session starts at 14:20) East 8&15

[48<sup>th</sup> Scoliosis Research Society Annual Meeting and Course. September 18-21, 2013. Lyon, France.](#)

Pre-Meeting Course

Neuromuscular Scoliosis and Neurodegenerative Adult Spinal Deformity: Pediatric to Adulthood Treatment Techniques Session

Case Presentations: The Treatment of Pediatric Neurogenic Deformity: How Do Techniques Differ Around the World? Moderator: Steven M. Mardjetko, MD Panel: Suken A. Shah, MD; Lawrence L. Haber, MD; Alain Dimeglio, MD; Sean Molloy, MBBS, MSc, FRCS

Wednesday 9:09-9:29 AM

[Techniques for the Preservation of Sagittal Balance: An International Perspective](#)





# 2013 Orthopedic Department Research and Education Activity Report

**Physician Educational and Presentation Activities**

**Dr. Dabney updated 18oct2013**

Poster- electronic

E115 Prakash Sitoula, Kirk Dabney, Laurens Holmes, Kenneth Rogers, Freeman Miller. "The Long-term Outcomes of Early Spine Fusion for Scoliosis in Children with Cerebral Palsy" [European Paediatric Orthopaedic Society, April 17-20, 2013, Athens Greece](#)

## 2013 Orthopedic Department Research and Education Activity Report

### **Dr. Gabos updated 18oct2013**

#### Grand Rounds speaker

1. Idiopathic Scoliosis, St. Lukes University School of Medicine, New York, New York, January 31, 2013.
2. Recent Advances in the Diagnosis and Treatment of Scoliosis. Bayhealth Medical Center / Kent General Hospital, Dover, DE, May 28, 2013

#### Manuscripts

(4) Dhawale,A.A.; Shah,S.A.; Yorgova,P.; Neiss,G.; Layer,D.J.,Jr.; Rogers,K.J.; Gabos,P.G.; Holmes,L.,Jr. Effectiveness of cross-linking posterior segmental instrumentation in adolescent idiopathic scoliosis: a 2-year follow-up comparative study. Spine J 2013 Jun 22;(13):10. PMID 23800823

(20) Shah,S.A.; Dhawale,A.A.; Oda,J.E.; Yorgova,P.; Neiss,G.; Holmes,L.,Jr.; Gabos,P.G. Ponte Osteotomies With Pedicle Screw Instrumentation in the Treatment of Adolescent Idiopathic Scoliosis. Spine Deformity 1[3], 196-204. 2013. doi:10.1016/j.jspd.2013.03.002

#### Moderator -

#### **Half-Day Course: Spinal Deformity in Myelomeningocele**

Co-Chairs: Peter G. Gabos, MD & Muharrem Yazici, MD

September 19 , 2013

48<sup>th</sup>

2013 Orthopedic Department Research and Education Activity Report

**Dr. Mackenzie 1 0 0 1 278.693ao 410 1 72.024 70**







## 2013 Orthopedic Department Research and Education Activity Report

Firoz Miyanji, MD, Amer Samdani, Peter F. Sturm, MD, Suken A. Shah, MD, Paul D. Sponseller, MD,  
Peter O. Newton, MD

DAY/DATE/TIME OF PRESENTATION: 5/2/2013 / 10:41 AM – 10:45 AM





## 2013 Orthopedic Department Research and Education Activity Report

Matsumoto, MA; Petya Yorgova, MS; Geraldine I. Neiss, PhD; Daren J. McCalla, BS; Joshua E. Hyman, MD; David P. Roye, Jr., MD; Suken A. Shah, MD; Michael G. Vitale, MD, MPH  
Friday 10:13-10:17am Forum 5/6 [48<sup>th</sup> Scoliosis Research Society Annual Meeting and Course. September 18-21, 2013. Lyon, France.](#)

15. Paper #60: The Simplified Skeletal Maturity Method and its Correlation with Curve Progression in Idiopathic Scoliosis. Prakash Sitoula, MD; Kushagra Verma, MD, MS; James O. Sanders, MD; Petya Yorgova, MS; Geraldine I. Neiss, PhD; Kenneth J. Rogers, PhD; Laurens Holmes, Jr. PhD; Peter G. Gabos, MD; Suken A. Shah, MD  
Friday 10:17-10:21am Forum 5/6 [48<sup>th</sup> Scoliosis Research Society Annual Meeting and Course. September 18-21, 2013. Lyon, France.](#)

16. Paper #90: Proximal Junctional Kyphosis in Cerebral Palsy. Risk factors and Guidelines. Paul D. Sponseller, MD; Suken A. Shah, MD; Burt Yaszay, MD; Peter O. Newton, MD; Mark F. Abel, MD; Tracey Bastrom, MA; Michelle C. Marks, PT, MA; Patrick J. Cahill, MD  
Friday 4:16-4:20pm Forum 5/6 [48<sup>th</sup> Scoliosis Research Society Annual Meeting and Course. September 18-21, 2013. Lyon, France.](#)

17. Paper #91: A Prospective Multicenter Study of Neuromonitoring for Cerebral Palsy Scoliosis: the Nature and Rate of Alerts and Recovery of Changes. Suken A. Shah, MD; Paul D. Sponseller, MD; Mark F. Abel, MD; Peter O. Newton, MD; Burt Yaszay, MD; Firoz Miyanji, MD, FRCSC; Amer F. Samdani, MD; Harms Study Group

## 2013 Orthopedic Department Research and Education Activity Report

Suken A. Shan, MD, Wilmington Delaware. When Do We Leave a Residual Curve? (Motion, Invasiveness vs. Deformity). Specialty Day – POSNA. Spine Symposium Saturday, March 23, 2013  
10:38 AM - 12:00 PM

Advanced Deformity Tutorial, San Diego, CA – April 4-5, 2013

### SURGICAL TECHNIQUES:

a. Derotation: My Preference is...

4:05 PM – 4:10 PM Segmental Suken A. Shah, MD [Pediatric Orthopaedic Society of North America May 1-4, 2013, Toronto, ON, CA](#)

### PEDIATRIC CERVICAL SPINE:

4:40 PM – 4:50 PM My Approach To The Down Syndrome Patient William G. Mackenzie, MD

5:00 – 5:15 Case Presentations/Panel Discussion Moderator: Firoz Miyanji, MD Panel: William G. Mackenzie, John B. Emans, MD, John P. Dormans, Suken A. Shah, MD [Pediatric Orthopaedic Society of North America May 1-4, 2013, Toronto, ON, CA](#)

### AIS I: Clinical & Radiologic Evaluation session

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Wednesday 9:09-9:29 AM [48<sup>th</sup> Scoliosis Research Society Annual Meeting and Course. September 18-21, 2013. Lyon, France.](#)

### Techniques for the Preservation of Sagittal Balance: An International Perspective

Debate: Best Treatment Recommendations: 3 Cases of Pediatric Patients with Post Traumatic Sagittal Imbalance, Post-infectious, PJK in Neuromuscular Kyphoscoliosis Moderator: Laurel C. Blakemore, MD  
Debaters: Suken A. Shah, MD; Kenneth M.C. Cheung, MD

Wednesday 2:32-2:52 PM [48<sup>th</sup> Scoliosis Research Society Annual Meeting and Course. September 18-21, 2013. Lyon, France.](#)

Poster- paper

Poster # P243 –

## 2013 Orthopedic Department Research and Education Activity Report

**Behrooz A. Akbarnia**, MD, La Jolla, California

**Nima Kabirian**, MD, San Diego, California

**Jeff Pawelek**, La Jolla, California

**Daniel Zhang**, BS, Rockville, Maryland

**Gregory Redding**, MD, Seattle, Washington

**John B. Emans**, MD, Boston, Massachusetts

**Suken A. Shah**, MD, Wilmington, Delaware

**Charles E. Johnston II**, MD, Dallas, Texas

Title: Is There a Significant Increase in Thoracic Height after Growing Rod Surgery for Early Onset Scoliosis?

Presenter: Behrooz Akbarnia

[American Academy of Orthopaedic Surgery. Chicago, IL. March 19-23, 2013](#)

Poster # P249 –

**Suken A. Shah**, MD, Wilmington, Delaware

**Ali F. Karatas**, MD, Wilmington, Delaware

**Arjun Dhawale**, MD, South Miami, Florida

**Ozgur Dede**, MD, Pittsburgh, Pennsylvania

**Laurens Holmes**, PhD, DrPH, Wilmington, Delaware

**Petya Yorgova**, MS, Wilmington, Delaware

**Geraldine Neiss**, PhD, Wilmington, Delaware

**Gregory M. Mundis**, MD, San Diego, California

**Jeff Pawelek**, La Jolla, California

Title: What is the Effect of Growing Rod Lengthening on the Sagittal Profile and Pelvic Parameters in Early Onset Scoliosis?

Presenter: Suken Shah

[American Academy of Orthopaedic Surgery. Chicago, IL. March 19-23, 2013](#)

Pediatric Hospitalist Co-Management Impact On The Care Of Medically Complex Children Undergoing Spinal Surgery” - Shah [Pediatric Orthopaedic Society of North America May 1-4, 2013, Toronto, ON, CA](#)

Poster- electronic

Growth Sparing Spinal Instrumentation In Skelatal Dysplasia. William Mackenzie, MD, Ali Karata, MD, Ozgur Dede, MD, Kenneth Rogers, PhD, ATC, Michael Bober, MD, Suken Shah, MD

[IFPOS/POSNA Day Pediatric Orthopaedic Society of North America May 1-4, 2013, Toronto, ON, CA](#)

251. Risk and Predisposing Factors in Surgical Site Infections After Pediatric Spinal Deformity Surgery: Density Case-Control Assessment [Jesse Allert, MD](#); Sina Pourtaheri, MD; Freeman Miller, MD; Kirk W. Dabney, MD; Laurens Holmes, PhD, DrPH; Suken A. Shah, MD; Susan Dubowy, BS USA [20th International Meeting on Advanced Spine Techniques • July 10-13, 2013 Vancouver, British Columbia, Canada](#)

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Significant Events

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