

KI SOO HWANG, MD

UNIVERSITY SPINE CENTER
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**ACADEMIC
APPOINTMENT**

Assistant Professor

Department of Orthopedics at the School of Medicine
Seton Hall University, Nutley, NJ

Director of Orthopaedic Spine Clinic

St. Joseph's Regional Medical Center, Paterson, NJ
Responsible for spine surgery education for Orthopaedic surgery residents

**HOSPITAL
AFFILIATION**

St. Joseph's Regional Medical Center

Paterson, NJ

Holy Name Hospital

Teaneck, NJ

New York University/Hospital for Joint Diseases

New York, NY

Maimonides Medical Center, Brooklyn, NY

Brooklyn, NY

EDUCATION

Fellowship in Spine Surgery

University of California at San Francisco, San Francisco, CA

Fellowship in Orthopaedic Spine Surgery, 8/2005-7/06
Attending Clinical Instructor in Orthopaedic Surgery, 8/2005-7/06

Residency in Orthopaedics

Maimonides Medical Center, Brooklyn, NY

Chief Resident in Orthopaedic Surgery, 7/2004-6/05
Resident in Orthopaedic Surgery, 7/2001-6/05
Orthopaedic Research Fellow, 7/2000-6/01
Resident in General Surgery, 7/1999-6/2000

Medical School

UMDNJ-New Jersey Medical School, Newark, NJ

Doctor of Medicine, May 1999

Undergraduate Education

University of Rochester, College of Arts and Sciences, Rochester, NY

Bachelor of Arts in Chemistry, May 1995

University of London, London, England
Educational Programmes Aboard, 1995

Cooper Union, Albert Nerken School of Engineering, New York, NY
Chemical Engineering, 1991-92

MEMBERSHIP

Active Fellow, Scoliosis research Society

Member, North American spine Society

Active Fellow, American Academy of Orthopaedic Surgery

**LICENSURE AND
CERTIFICATION**

**American Board of Orthopaedic Surgery, Board certified through
12/31/2028**

Registered and licensed physician in the state of CA, NJ, and NY

Diplomate National Board of Medical Examiners

Peer Reviewed Publications:

Michael Faloon, Nikhil Sahai, Todd Pierce, Conor Dunn, Kumar Sinha, Ki Hwang, **Arash Emami**. "Meta-Analysis and Systematic Review: Pre-operative Magnetic Imaging Resonance in Adolescent Idiopathic Scoliosis." Manuscript Accepted to CORR, In Production.

Conor Dunn, Michael J. Faloon, **Arash Emami**, Ki Soo Hwang, Edward Milman. "Accuracy and Safety of Percutaneous Lumbosacral Pedicle Screw Placement Utilizing Dual-planar Intra-operative Fluoroscopy." Manuscript accepted to Asian Spine Journal, In Production.

Issa K, Pourtaheri S, Stewart T, Faloon M, Sahai N, Mease S, Sinha K, **Hwang K**, Emami A. "Clinical Differences Between Monomicrobial and Polymicrobial Vertebral Osteomyelitis." *Orthopedics*. 2017; 40(2): e370-e373

Pourtaheri S, Issa K, Stewart T, Patel Y, Sinha K, Hwang K, Emami A. "When Do You Drain Epidural Abscesses of the Spine?" *Surg Technol Int*. 2016 26;XXIX:374-378.

Pourtaheri S, Issa K, Emami A, **Hwang K**, Faloon M, Sinha K. "Paraspinal Muscle Atrophy After Lumbar Spine Surgery: What is the Evidence?" *Orthopedics*. 2016; 39(2):e209-14.

Pourtaheri S, Emami A, Hwang K, Allert J, Brothers A, Kimona I, Mont M. "Cervical Corpectomy with Ultra-low-dose rhBMP-2 in High-risk Patients: 5-year Outcomes." *Orthopedics*. 2013; 36(12):931-935.

Pourtaheri S, Emami A, Sinha K, Hwang K, Holmes, L. "The Role Magnetic Resonance Imaging in Acute Cervical Spine Fractures." *Spine J*. 2014 1;14(11):2546-53.

Pourtaheri S, Emami A, Sinha K, Hwang K, Holmes, L. "Cervical corpectomies with ultra-low dose recombinant bone morphogenetic protein-2 in high risk patient: complications and outcomes." *Spine*. Manuscript submitted and under review.

Pourtaheri S, Emami A, Sinha K, **Hwang K**. "Osteochondroma of lumbar spine presenting as a hip flexion contracture." *Journal of Pediatric Orthopedics*. Manuscript submitted and under review.

Schwab F, Dubey A, Gamez L, El Fegoun A, **Hwang K**, Pagala M, Farcy J. "Adult Scoliosis: Prevalence, SF-36, and Nutritional Parameters in an Elderly Volunteer Population." *Spine*. 30(9): 1082-1085, May 1, 2005.

Presentations:

Kimona Issa, Jeffrey Moore, Nancy Moontasri, Conor Dunn, Michael Faloon, Kumar Sinha, **Ki Hwang**, Arash Emami. "Computed Tomography Angiography in the Setting of Cervical Trauma."

CSRS Annual Meeting, Hollywood, FL Nov 2017

NASS Annual Meeting, Orlando, FL Oct 2017

EuroSpine Annual Meeting, Dublin, IRL Oct 2017

Daniel Thibaudeau, Michael Faloon, Kimona Issa, Sina Pourtaheri, Nikhil Sahai, Conor Dunn, Kumar Sinha, **Ki Soo Hwang**, Arash Emami. "Pseudoarthrosis Rate in Minimally Invasive Transforaminal Lumbar Interbody Fusion(mTLIF): 2-yr Outcomes vs Open TLIF." EOA Annual Meeting, Miami, FL Oct 2017. NJ Resident Award

Conor Dunn, Jeffrey Moore, Kimona Issa, Nikhil Sahai, Michael Faloon, Kumar Sinha, **Ki Hwang**, Arash Emami. "Anterior Cervical Discectomy and Fusion versus Posterior Cervical Foraminotomy."

EOA Annual Meeting, Miami, FL Oct 2017.

Nikhil Sahai, Michael Faloon, Conor Dunn, Kumar Sinha, **Ki Hwang**, Arash Emami. "Short Segment Fixation of Unstable Thoracolumbar Vertebral Body Fractures with Percutaneous Pedicle Screws."

NASS Annual Meeting, Boston, MA Oct 2016.

Nicole Record, DO, Nikhil K. Sahai, MD, MPH, Michael J. Faloon, MD, **Ki S. Hwang**, MD, Kumar G. Sinha, MD, Arash Emami, MD. "Multilevel ACDF with Ultra-Low Dose BMP-2 versus Posterior Approach in Multilevel Fusions to the Cervicothoracic Junction."

NASS Annual Meeting, Boston, MA Oct 2016.

Alex Brothers, Michael Faloon, Conor Dunn, Arash Emami, **Ki Hwang**, Kumar Sinha, Kimona Issa. "Does Percutaneous Pedicle Screw Instrumentation Prevent Long Term Adjacent Segment Degeneration?"

IMAST Annual Meeting, Washington, DC July 2016.

Shafa E, Emami A, Pourtaheri S, Sinha K, **Hwang K**. "Selection Criteria and Early Perioperative Outcomes of Minimally Invasive Transforaminal Interbody Fusion in the Outpatient Setting."

EOA Annual Meeting, Miami, FL 2013

Pourtaheri S, Emami A, Shafa E, Sinha K, **Hwang K**, Holmes, L. "Morbidity of Neurologic Deficits in Vertebral Osteomyelitis."

EOA Annual Meeting, Miami, FL 2013. Nominee for best clinical paper

Pourtaheri S, Emami A, Shafa E, Sinha K, **Hwang K**, Holmes, L. "The Safety of Instrumentation in Vertebral Osteomyelitis."

IMAST Annual Meeting, Vancouver, Canada 2013

Pourtaheri S, Emami A, Shafa E, Sinha K, **Hwang K**, Holmes, L. "Risk Factors for a Delay in Diagnosis of Vertebral Osteomyelitis."

NASS Annual Meeting, New Orleans, LA 2013

Pourtaheri S, Emami A, Shafa E, Sinha K, **Hwang K**, Holmes, L. "When Do You Drain Epidural and Paravertebral Abscesses of the Spine?"

NASS Annual Meeting, New Orleans, LA 2013

Pourtaheri S, Emami A, Sinha K, **Hwang K**. "Paraspinal Muscle Atrophy After Cervical or Lumbar Surgery: What is the evidence?"

NASS Annual Meeting, New Orleans, LA 2013

Pourtaheri S, Emami A, Sinha K, **Hwang K**, Holmes, L. "The role magnetic resonance imaging in acute cervical spine fractures." *Podium Presentation: NASS & The 22st Annual Research Colloquium of the Seton Hall University School of Health and Medical Sciences. Poster Presentation: CSRS & IMAST.*

Pourtaheri S, Emami A, Sinha K, **Hwang K**, Holmes, L. "Cervical corpectomies with ultra-low dose recombinant bone morphogenetic protein-2 in high risk patient: complications and outcomes." *Poster Presentation: IMAST & NASS.*

Pourtaheri S, Ruoff M, Sinha K, **Hwang K**. "Complications of osteomyelitis of the cervical spine." *Podium Presentation: New Jersey Orthopaedic Society Annual Symposium*.

Pourtaheri S, Emami A, Sinha K, **Hwang K**. "Osteochondroma of the lumbar spine presenting as a hip flexion contracture." *Podium Presentation: The 21st Annual Research Colloquium of the Seton Hall University School of Health and Medical Sciences*.

Faloon M, **Hwang K**, Pourtaheri N, Sinha K, Dunn C, Patel D, Emami E. "Does MRI Change Pre-Operative Planning in the Treatment of Acute Cervical Trauma?" *North American Spine Society Annual Meeting, Chicago IL 2011*.

Emami E, Faloon M, Pourtaheri N, **Hwang K**, Sinha K. "Anterior Interbody Distraction and Positional Reduction for Intermediate to High Grade Spondylolisthesis: A Clinical & Radiographic Review of a Novel Technique in 24 Cases." *International Meeting of Advanced Spinal Techniques—Scoliosis Research Society Meeting, Toronto Ont 2010*.

Faloon M, Emami E, **Hwang K**, Sinha K, Mahood F, Milman E. "Safety and Accuracy of Percutaneously Placed Pedicle Screws Using Intraoperative Dual Planar Fluoroscopy." *International Meeting of Advanced Spinal Techniques—Scoliosis Research Society, Hong Kong 2008*.