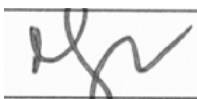


Name: Han Jo Kim

Signature: 

Date of Preparation: 02/1/2023

A. PERSONAL DATA

Office address: 535 East 70th Street, NY, NY 10021
Office telephone: (212) 774-2837
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Home address:
Cell phone: (917) 407-4227
Email address - Work: kimh@hss.edu
Email address - Personal: hanjokimmd@gmail.com

B. EDUCATION

Academic Degree(s)

Degree, include field of study	Institution name, city and state	Dates attended (mm/yyyy-mm/yyyy)	Year Awarded
Doctor of Medicine	Columbia University College of Physicians & Surgeons, New York, NY	08/2002-06/2006	2006
Bachelor of Science Cellular & Molecular Biology	University of Michigan, Ann Arbor, MI	08/1998-05/2001	2001

Other Educational Experiences

Description	Institution Name & Location	Dates attended (mm/yy – mm/yy)
Violin Major	Manhattan School of Music Pre-College Division, New York, NY	08/93-06/98

C. POSTDOCTORAL TRAINING

Title, include area of training	Institution, city and state	Dates (mm/yy - mm/yy)
Barnes Jewish Hospital, Spine Surgery Fellowship	Washington University St. Louis	08/11 – 08/12
Cervical Spine Fellowship with K Daniel Riew, MD	Barnes Jewish Hospital, St. Louis, MO	08/12 – 12/12

Orthopaedic Surgery Resident	Hospital for Special Surgery, New York, NY	06/06 – 06/11
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D. PROFESSIONAL POSITIONS & EMPLOYMENT

Academic Appointments

Title	Institution, city and state	Dates (mm/yy - mm/yy)
Professor of Orthopaedic Surgery	Weill Cornell Medical College	08/22 – Present
Associate Professor	Weill Cornell Medical College	03/16 – 08/22
Assistant Professor	Weill Cornell Medical College	03/14 – 03/16
Instructor in Orthopaedic Surgery	Weill Cornell Medical College	03/13 – 03/14

Hospital Appointments

Title	Institution, city and state	Dates (mm/yy - mm/yy)
David B. Levine MD Endowed Chair in Scoliosis	Hospital for Special Surgery	11/21 – Present
Fellowship Committee Chair	Hospital for Special Surgery	07/18 – Present
Associate Attending Orthopaedic Surgeon	Hospital for Special Surgery	03/16 – Present
Spine Fellowship Director	Hospital for Special Surgery	07/15 – Present
Assistant Attending Orthopaedic Surgeon	Hospital for Special Surgery	03/13 – 03/16

E. LICENSURE, BOARD CERTIFICATION

Licensure:

State	Number	Date of issue (mm/dd/yyyy)	Date of last registration (mm/dd/yyyy) – (mm/dd/yyyy)
New York	246398	10/03/2007	04/30/2021 – 04/30-2023
Missouri	2011003933	02/10/2011	01/10/2012 – 01/10/2014
DEA number:	FK0657772		
NPI number:	1376710665		

Board Certification

Full Name of Board	Certificate # (indicate if board eligible)	Dates of Certification (mm/dd/yyyy) – (mm/dd/yyyy)
American Board of Orthopaedic Surgery	99915	7/23/15 – 7/22/2025

F. INSTITUTIONAL/HOSPITAL AFFILIATION

Primary Hospital Affiliation:	Associate Attending, Hospital for Special Surgery
Other Hospital Affiliations:	Associate Professor of Orthopaedic Surgery, New York Presbyterian Hospital

G. EMPLOYMENT STATUS

Name of Current Employer(s): Hospital for Special Surgery

Current Employment Status: *(Please choose one, list here, delete the others)*
 Full-time salaried by Cornell-affiliated hospital

H. HONORS, AWARDS

<i>Name of award</i>	<i>Organization</i>	<i>Date awarded (yyyy)</i>
Whitecloud Award Winner	IMAST 2020 <i>"Intravenous Ketorolac Substantially Reduces Opioid Use Following Lumbar Spinal Fusion: Early Results of a Randomized, Double-Blinded, Placebo Controlled Trial"</i>	2020
Whitecloud Award Nominee	IMAST 2016 <i>"The Posterior use of BMP-2 in Cervical Deformity surgery does not Result in Increased Complications: a prospective multicenter study"</i>	2016
Hibbs Award Nominee	SRS 2016 <i>"Neurological Complications in Adult Cervical Deformity Surgery"</i>	2016
Whitecloud Award Nominee	IMAST 2015 <i>"Neurologic Complications in Adult Spinal Deformity Surgery: Incidence, Risk Factors and Outcomes in 558 Patients"</i>	2015
CSRS Best Paper Session Nominee	<i>"High Post-Operative C2-7 SVA is associated with Proximal Junctional Kyphosis"</i>	2014
Edger G. Dawson Traveling Fellow	Scoliosis Research Society	2013
Meeting Best Paper Award	CSRS 2012 <i>"Physical Exam Findings in Patients with Cord Signal Change on MRI"</i>	2012
Best Poster Award Nominee	CSRS 2012 <i>"Occipital Incidence – a Novel Morphometric Parameter for Understanding Occipitocervical Spinal Alignment"</i>	2012
Hibbs Award Nominee	SRS 2012 <i>"High Dose BMP-2 in adults: Major and minor complications in 502 cases."</i>	2012
Whitecloud Award Nominee	IMAST 2012 for podium presentation <i>"Occipital Incidence – a Novel Morphometric Parameter for Understanding Occipitocervical Spinal Alignment"</i>	2012
Lewis Clark Wagner Award for excellence in Orthopaedic Clinical and Translational Research		2011
Swanson Scholarship Award		2009
Eastern Orthopaedic Association Resident/Fellow Research Award		2008
Alpha Omega Alpha Medical Honors Society		2005

I. PROFESSIONAL ORGANIZATIONS AND SOCIETY MEMBERSHIPS

Organization *Date (yyyy-yyyy)*

Interurban Orthopaedic Society	2020-Present
Complex Spine Study Group	2013 – Present
Scoliosis Research Society	2012 – Present
International Spine Study Group	2012 – Present
AOA (American Orthopaedic Association)	2019 - Present
Cervical Spine Research Society	2014-Present
North American Spine Society	2013-Present
American Medical Association	2006 – Present
American Academy of Orthopaedic Surgeons	2006 – Present
Alpha Omega Alpha Medical Honor Society	2005 – Present

J. PERCENT EFFORT AND INSTITUTIONAL RESPONSIBILITIES

Current Site Activity (<i>if not WCM</i>)	Percent Effort (%)	Does the activity involve Weill Cornell students/research trainees? (Yes/No)
Teaching	10%	Yes
Clinical	70%	Yes
Administrative	10%	No
Research	10%	Yes
Total	100%	

K. EDUCATIONAL CONTRIBUTIONS

Didactic Teaching

1. *Complex Deformity is the Future of Spine Surgery: How We as Spine Surgeons Should Make the Case to All Stakeholders*
7th Annual Winter Technology & Orthopedics Symposium – Fort Lauderdale, FL – January 2023
2. (1) *Case Presentation: Post-op paraplegia after an uneventful operation* (2) *MIS is great for marketing, but traditional techniques remain the most effective approach for most cases* (3) *This seemed to be an uneventful lumbar fusion, but the patient is still complaining of leg pain. Imaging and the neuro workup are all negative. Now what?* (4) *At what point is MIS simply too cumbersome... technology over logic*
Spine: Base to Summit – Vail, Colorado – January 2023
3. (1) *Tips and Pearls* (2) *7-Minute Tips by the Co-chairs and Directors of ISDS: Bone Graft Delivery Device*
8th Annual International Spina Deformity Symposium – New York, NY – December 2022
4. *Enhanced Recovery Pathway in Adult Patients, Undergoing Thoracolumbar Deformity Surgery*
10th ISOC Annual Conference – Milan, Italy – November 2022
5. *Adult Deformity Surgery Update*
11th Annual UCSF Techniques in Complex Spine Course – Las Vegas, Nevada – November 2022
6. *Cervical Deformity Classification and Treatment*
Annual Meeting Interurban Orthopaedic Society – Kiawah Island, South Carolina – October 2022
7. (1) *Is High-Dose Tranexamic Safe in Spine Surgery? A Systematic Review and Meta-Analysis* (2) *Can We Predict Postoperative Changes? Chain of Reaction: When Does it Work? When Do Preoperative Simulation and Postoperative Achievement Meet?*

SRS 57th Annual Meeting – Stockholm, Sweden – September 2022

8. *Cervical Deformity Classification and Management*
Grand Rounds, Hospital for Special Surgery – New York, NY – September 2022
9. *(1) Deformities Tips and Tricks for Sagittal and Coronal Correction (2) C1-C2 Fusion. How do I do it? Videos and Tips*
Argentine Society of Spinal Pathology Meeting – August 2022
10. *Case Presentation: What Every Surgeon Should Know About Trauma*
ISASS 21st Annual Conference – Paradise Island, Bahamas – June 2022
11. *Osteotomy Selection and Considerations in Complex Adult Spinal Deformity*
International Symposium on Orthopedic Spine – Fixation and Fusion of Posterior Thoracolumbar: Surgical Techniques or Complication Prevention (Virtual) – May 2022
12. *Adult Degenerative Scoliosis – Step by Step Open Posterior Approach, Complex Kyphoscoliosis Neurofibromatosis*
7th Annual International Spinal Deformity Symposium – December 2021
13. *Proximal Junctional Kyphosis Prevention and Prophylaxis*
10th Annual UCSF Techniques in Complex Spine Surgery – November 2021
14. *Surgical Planning and Execution for Adult Cervical Deformity*
Brazilian Spine Society Meeting – August 2021
15. *PJK Prevention: What is the Evidence?*
ISASS 21st Annual Conference – Miami, Florida – May 2021
16. *Adult Degenerative Deformity Correction*
5th Annual Principles and Techniques of Complex Spinal Reconstruction Conference – February 2021
17. *Vertebral Column Resection for Severe Thoracic Kyphoscoliosis*
Winter Spine Conference – January 2021
18. *Cervical Deformity Classification for Treatment Planning Including Cluster Analysis CSRS Instructional Course (Virtual) – December 2020*
19. *(1) MIS Case Discussion (2) Techniques Added or Subtracted from my Practice Last Year?*
David B. Levine Spine Symposium (Virtual) – November 2020
20. *Optimizing Value and Minimizing Complications in Adult Spinal Deformity Surgery: The Roles of Teams, Risk Stratification and Technology*
SRS Annual Meeting (Virtual) – September 2020
21. *(1) PJK in Long Spinal Constructs: Which Role Plays the Sacro Pelvic Unit? (2) Getting to Peak Performance for the Early Career Surgeon (3) Are We Better at Preventing PJK Today? A Comparison of Incidence 5-7 Years Later*
54th SRS Annual Meeting – Montreal, Canada – September 2019
22. *Age-Adjusted Alignment Correction*

26th IMAST – Amsterdam, Netherlands – July 2019

23. *Correct the Deformity Without the “Smoke and Mirrors” of MIS*
Annual State of the Spine Think Tank – Aruba – June 2019
24. (1) *Urinary N-Telopeptide Can Predict Pseudarthrosis after ACDF* (2) *Prescribing Guidelines Coupled with Provider Education is Effective in Reducing Post-Discharge* (3) *Opioid Prescriptions after Spine Surgery*
ISOC Conference – Malmoe/Lund, Sweden – May 2019
25. *Intraoperative Neuro Monitoring*
4th Annual Safety in Spine Surgery Summit – New York, New York – April 2019
26. *Osteotomies for Complex Deformity Cases*
4th Principles and Techniques of Complex Spinal Reconstructions: A Hands-On Cadaveric Workshop – New York, New York – March 2019
27. *Cervical Deformity in PJK Avoiding Coronal Malalignment in Adult Spinal Deformity*
UCSF 8th Annual Spine Cadaver Course for Complex Spine – Las Vegas, Nevada – November 2018
28. *Cervical, Thoracic, and Spinopelvic Compensation after Proximal Junctional Kyphosis – Does Location of PJK Matter?*
SRS 53rd Annual Meeting – Bologna, Italy – October 2018
29. (1) *Complication #1: Proximal Junctional Failure* (2) *Debate How Many Spinopelvic Parameters are Necessary for a Good Result in Adult Deformity? Position 2 – We Need Many Spinopelvic Parameters for a Good Outcome*
25th International Meeting on Advanced Spine Techniques – Los Angeles, California – July 2018
30. (1) *Sagittal Alignment in Adult and Elderly Spinal Deformity* (2) *Column Osteotomies for Adult Spinal Deformity – Is there any Influence of Patient Age in the Deformity?* (3) *How to Avoid PJK and DJK in Adult Spinal Deformity* (4) *Intraoperative Monitoring Evens and Neurologic Complications in Spinal Deformity Surgery* (5) *Proximal Junctional Kyphosis*
IPC Course: Elderly Spine – Sao Paolo, Brazil – April 2018
31. *Planning and Execution for Cervical Osteotomies*
10th Spine Deformity Solutions: A Hands-On Course Scoliosis Research Society – Houston, Texas – February 2018
32. (1) *Neurological Complications in Adult Cervical Spine Surgery* (2) *Thromboembolic Disease After Adult Spinal Surgery: Avoid the Bleed – We are Not Talking Total Joints*
AO Course – Davos, Switzerland – December 2017
33. (1) *Isolated Posterior Ligamentous Reinforcement does not Decrease Proximal Junctional Kyphosis in Adult Spinal Deformity* (2) *Neurologic Complications and Recovery Rates in Adult Cervical Deformity Surgery* (3) *Recurrent Proximal Junctional Kyphosis: Incidence, Risk Factors, Revision Rates and Outcomes at 2 Year Minimum Follow Up*
SRS 52nd Annual Meeting and Instructional Course – Philadelphia, Pennsylvania – September 2017
34. *Diagnostic Dilemmas in Cervical Spondylosis Physiatry*
Grand Rounds, Hospital for Special Surgery – New York, NY – April 2014

- 35. *Proximal Junctional Kyphosis: What's in store for the future?*
Meeting of the Minds Spinal Deformity Summit – Washington DC – April 2014
- 36. *Techniques in Pedicle Subtraction Osteotomies*
Concepts in Pediatric Spinal Deformity Surgery – New York, NY – April 2014
- 37. *Schuermann's Kyphosis and the role for Ponte Osteotomies Current Concepts in Spinal Deformity Surgery*
Oqeundo Center – Las Vegas, Nevada – March 2014
- 38. *Revision Strategies in Adult Spinal Deformity Surgery*
Johnson & Johnson Deputy Headquarters – Raynham, Massachusetts – June 2013

Clinical Teaching

- Teaching in Operating room (Included in role as Spine Fellowship Director)
- Preceptor in Clinic (Included in role as Spine Fellowship Director)

Administrative Teaching

- Spine Fellowship Director

L. CLINICAL PRACTICE, INNOVATION, and LEADERSHIP

Clinical Practice

- Years in Practice: 9
- Outpatients Annually: 650 (new patients), 900 (follow ups)
- Operations Annually: 325

Clinical Innovations

- Enhanced Recovery Pathway for Adult Spinal Deformity patients. Reference #36, #53

Clinical Leadership

- Fellowship Committee Chair
- Spine Fellowship Director
- Resident Leadership Group

M. RESEARCH

Research Activities:

Refer to "Statement of Key Contributions" (attached)

IRB Protocols – Active and Inactive

<i>ID</i>	<i>Name</i>	<i>Created Date</i>	<i>State</i>	<i>Date Expiration</i>
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2020-2091	Outcomes of Patient Specific Contoured Rods for the Treatment of Adult Spinal Deformity; A Case Control Analysis	Pre-submission in eCAP		
2022-0035	Assessing Return to Sporting Activities after Adult Spine Deformity Correction	1/8/2022	CRP Review	
2021-0612	Spinal Malalignment Registry	4/26/2021	CRP Review-Changes Pending	
2020-0613	Infection Risk with Intra-operative Use of 3D Imaging in Open Spine Surgery	3/31/2020	Approved	5/21/2023
2017-0920	Topical Tranexamic Acid in Adult Spinal Deformity Surgery: A Randomized Control Trial	6/18/2017	Approved	4/23/2022
2020-2512	Impact of corticosteroid injection timing on acute infection risk following spine surgery	12/7/2020	Approved	12/9/2023
2014-367	Scoliosis Research Center Registry and SCTR/FOCOS Database v,5, (Old IRB #24029)	11/24/2014	Approved	6/27/2024
2020-0945	Bone Mineral Density Distribution in the Cervical Spine	5/14/2020	Approved	5/18/2023
2015-363	Validation of the NIH PROMIS in Cervical Spine Patients.	7/22/2015	Approved	12/1/2022
2019-0259	Do bone turnover markers predict pseudarthrosis after anterior cervical discectomy and fusion (ACDF)?	2/13/2019	Approved	7/15/2022
2019-0592	Prospective Radiographic and Clinical Evaluation of Surgical Treatment for Cervical Deformity: A Multi-Center Study	4/11/2019	Approved	7/30/2022
2018-0911	Quantification of Motor Cortex Tracts and Proprioception Tracts by Brain Tractography in Proximal Junctional Kyphosis Patients: A Prospective Study	6/6/2018	Approved	12/12/2022
2014-357	Prospective Multi-Center Adult Spine Deformity Outcome Registry. (Old IRB #28106)	11/24/2014	Approved	3/6/2022
2017-0285	The spinal balance score: A novel linear and unidimensional patient-reported outcome measure for adult spinal deformity (a multi-center study)	2/27/2017	Approved	7/2/2022
2014-360	A Multicenter Prospective Study of Quality of Life in Adult Scoliosis (Old IRB #10165)	11/24/2014	Approved	12/20/2022
2019-0815	Impact and Utility of Supine Imaging for Adolescent Idiopathic Scoliosis	5/18/2019	Approved	6/18/2022
2015-717	Adult Spinal Deformity Patients Who Underwent Corrective Surgery (i.e., Smith-Peterson/Pedicle Subtraction Osteotomies)	10/23/2015	Approved	11/2/2022
2014-373	Prospective Radiographic and Clinical Evaluation of Surgical Treatment for Cervical Deformity: A Multi-Center Study. (Old IRB #13133)	11/24/2014	Approved	8/6/2022
2020-1573	SIJ Stabilization in Long Fusion to the Pelvis: Randomized Controlled Trial	7/9/2020	Approved	10/10/2022
2019-2040	The Tether: Vertebral Body Tethering System	10/28/2019	Approved	11/25/2022

2018-1483	Multi-Center Prospective Evaluation Complex Adult Spinal Deformity Surgery (CADS) Registry	7/31/2018	Approved	11/7/2022
2020-1394	A novel technique for salvage of a C1 lateral mass screw	6/21/2020	Approved	9/1/2023
2019-2200	Retrospective chart review of patients undergoing cervical fusion, laminoplasty, and surgical outcomes	11/21/2019	Approved	12/2/2022
2019-0630	Short- and Long-term Effects of C2 Neurectomy in Posterior C1-2 Fusion	4/18/2019	Completed	5/1/2022
2020-0930	Multi-Center Review of Acute Failure of Pelvic Fixation in Adult Spinal Deformity.	5/13/2020	Completed	8/31/2021
2014-363	A Prospective Randomized Study on the Clinical Benefits of ORthoPAT Drains in Adults Undergoing Multilevel Spine Surgery for Deformity (Old IRB #11005)	11/24/2014	Completed	12/16/2016
2015-271	Operative Treatment of Adult Low Grade Lumbar Spondylolisthesis: Evaluation of Treatment Strategies, Radiographic Parameters, and Patient Outcomes	5/27/2015	Completed	7/12/2018
2015-370	Anesthetic methodology to allow for monitoring of intraoperative motor evoked potentials	7/29/2015	Completed	8/25/2022
2015-153	Cost Effectiveness of Nonoperative Management for Adult Spinal Deformity Associated with Low Grade Scoliosis: A Prospective Study to Evaluate Disease Burden and Longitudinal Study Feasibility	3/11/2015	Completed	6/17/2018
2020-2532	Infection Risk After Spine Surgery: Does Perioperative Antibiotic Choice Matter?	12/10/2020	Completed	12/9/2023
2018-2217	False Positives Alerts in Intraoperative Neuromonitoring	11/17/2018	Completed	12/9/2019
2017-1660	Quantification of Motor Cortex Tracts and Proprioception Tracts by Brain Tractography in Proximal Junctional Kyphosis Patients	10/13/2017	Completed	10/18/2022
2018-1772	Posterior only instrumentation with 3-rod construct without interbody for adult spinal deformity: is it effective?	9/12/2018	Completed	3/28/2022
2018-1580	Outcomes after Revision for Cervical Pseudarthrosis	8/14/2018	Completed	8/14/2022
2018-2114	Complication Rate of Powered Versus Manual Pedicle Screw Insertion in Pediatric Spine Instrumentation: A Multi-Center Study	11/2/2018	Completed	11/4/2021
2014-364	Fox Pediatric Spinal Deformity Study (Old IRB #11186)	11/24/2014	Completed	12/11/2021
2015-324	The Impact of Intrawound Vancomycin in Spine Surgery on Antimicrobial Resistance Profiles	6/13/2015	Terminated	7/12/2016
2014-362	Retrospective Evaluation of Longitudinal Outcomes Following 3-	11/24/2014	Terminated	12/11/2017

2016-0796	Column Osteotomy: A Multi-Center Study (Old IRB #27140) Optimizing Pre-Operative Management of Osteoporosis in Spine Surgery	12/12/2016	Terminated	5/4/2018
2019-0275	A randomized controlled trial of posterior ligamentous reconstruction for the prevention of proximal junctional kyphosis	2/18/2019	Withdrawn	
2019-2244	Comparison of preoperative and postoperative health-related outcome scores for patients undergoing laminoplasty versus anterior cervical discectomy and fusion	12/6/2019	Withdrawn	
2020-0391	SIJ Stabilization in Long Fusion to the Pelvis: Randomized Controlled Trial	3/9/2020	Withdrawn	
2017-0671	A Prospective Multicenter Randomized Control Trial of Post-Operative Cervical Alignment: The Role of Lordotic Grafts	5/22/2017	Withdrawn	

Research Support:

Current Research Funding

Award Source: <i>(funding agency – federal, foundation, industry; type of grant)*</i>	SRS
Project title:	Double Blind - Randomized Controlled Trial on the Utility of Topical Tranexamic Acid in Adult Spinal Deformity Surgery
Annual direct costs:	\$10,000
Duration of support: <i>(mm/yyyy-mm/yyyy)</i>	2021 – Present
Name of Principal Investigator:	Han Jo Kim
Your role*	Principal Investigator, Project leader
Your percent (%) effort:	15%
The major goals of this project are:	Examining the Utility of Topical TXA in reducing Blood Loss
Award Source: <i>(funding agency – federal, foundation, industry; type of grant)*</i>	OREF
Project title:	Bone Turnover Markers in their Ability to Predict Pseudarthrosis in Cervical Spine Fusions
Annual direct costs:	\$20,000
Duration of support: <i>(mm/yyyy-mm/yyyy)</i>	2020 – Present
Name of Principal Investigator:	Han Jo Kim
Your role*	Principal Investigator, Project Mentor
Your percent (%) effort:	15%
The major goals of this project are:	The Utility of Bone Turnover Markers in predicting Pseudarthrosis
Award Source: <i>(funding agency – federal, foundation, industry; type of grant)*</i>	SI-Bone
Project title:	Randomize Controlled Trial on the Utility of SI fusions in Adult Deformity Patients Instrumented to the Ilium

Annual direct costs: \$275,000
Duration of support: 2020 – Present
(mm/yyyy-mm/yyyy)
Name of Principal Investigator: Han Jo Kim
Your role* Site PI
Your percent (%) effort: 15%
The major goals of this project are: Examine the utility of SI joint fusions in minimizing Iliac Fixation Issues in Adult Spinal Deformity Surgery

Award Source: SIC
(funding agency – federal, foundation, industry; type of grant)*
Project title: Does Brain Tractography provide insight into Proximal Junctional Kyphosis Risk?

Annual direct costs: \$10,000
Duration of support: 2019 – Present
(mm/yyyy-mm/yyyy)
Name of Principal Investigator: Han Jo Kim
Your role* Principal Investigator, Project leader
Your percent (%) effort: 15%
The major goals of this project are: Establish a relationship between the Motor Cortex and the Dorsal Columns with PJK Risk

Award Source: ISSGF Funding (Foundation)
Project title: Adult Spinal Deformity and Complex Adult Deformity Prospective Registry
Annual direct costs: \$50-75,000 (annually, based on enrollment numbers)
\$725,000 Cumulative funding
Duration of support: 2014 – Present
Name of Principal Investigator: Han Jo Kim – Adult Spinal Deformity Registry/Database
Your role* Site Leader, Enrollment, design, writer, data analysis
Your percent (%) effort: 25%
The major goals of this project are: Establish a high-quality prospective registry to study adult spinal deformity

Past (Completed) Funding

Award Source: Lane Award
(funding agency – federal, foundation, industry; type of grant)*
Project title: Brain Tractography and Proximal Junctional Kyphosis
Annual direct costs: \$15,000
Duration of support: 2019 – 2021
(mm/yyyy-mm/yyyy)
Name of Principal Investigator: Han Jo Kim
Your role* Principal Investigator

Award Source: Surgeon in Chief Grant
(funding agency – federal, foundation, industry; type of grant)*
Project title: Bone Turnover Markers in ACDF
Annual direct costs: \$2,000

Duration of support: 2019 – 2021
(mm/yyyy-mm/yyyy)
Name of Principal Investigator: Han Jo Kim
Your role* Principal Investigator

Award Source: CSRS Grant
(funding agency – federal, foundation, industry; type of grant)*
Project title: Validation and Application of the PROMIS CAT for Cervical Spine Patients

Annual direct costs: \$50,000
Duration of support: 2016
(mm/yyyy-mm/yyyy)
Name of Principal Investigator: Han Jo Kim
Your role* Grant Applicant, Design, Enrollment, Analysis, Writing

Award Source: EOS Imaging
(funding agency – federal, foundation, industry; type of grant)*
Project title: Spinal Alignment in Asymptomatic Patients
Annual direct costs: \$75,000
Duration of support: 2013 – 2014
(mm/yyyy-mm/yyyy)
Name of Principal Investigator: Lawrence G. Lenke
Your role* Grant Applicant, Design, Enrollment, Analysis, Writing

Patents & Inventions

1. Patent Number: 16155445.6 – 1501
Title: Spinal Fixation Construct and Method of Use
Inventors: Lawrence Lenke, Gregory Mundis, **Han Jo Kim**, John Ferguson, Michael Barrus

N. MENTORING

Current Mentees:

Limited due to COVID, however, there are 3 international research fellows who are all 3-5 years into practice who are planning to visit when COVID restrictions are eased.

Past Mentees:

Name	Yu-Cheng Yao, MD
Site/Position	Research Fellow
Mentoring Period (mm/yyyy-mm/yyyy)	1/2019-1/2020
Project/Accomplishments**, Current Position	5 peer-reviewed publications, 3 podium presentations CHIEF OF SPINE – Taipei Veterans General Hospital – Taiwan
Type of Supervision (Research, clinical, teaching, leadership)	Career development, academic and personal advice, research mentor

Name	Huafeng Zhang, MD
Site/Position	Visiting Fellow/Observer
Mentoring Period (mm/yyyy-mm/yyyy)	2/2018-5/2018

<i>Project/Accomplishments**, Current Position Type of Supervision (Research, clinical, teaching, leadership)</i>	Observing Surgical Techniques and Clinical Observation Professor of Spine Surgery – China Career development, academic and personal advice, research mentor
<i>Name Site/Position Mentoring Period (mm/yyyy-mm/yyyy) Project/Accomplishments**, Current Position Type of Supervision (Research, clinical, teaching, leadership)</i>	Jun Zhang, MD Visiting Fellow/Observer 6/2018-10/2018 Observing Surgical Techniques and Clinical Observation ASSOCIATE PROFESSOR – Department of Orthopaedics – Zhejiang Provincial People’s Hospital – Zhejiang Province, China Career development, academic and personal advice, research mentor
<i>Name Site/Position Mentoring Period (mm/yyyy-mm/yyyy) Project/Accomplishments**, Current Position Type of Supervision (Research, clinical, teaching, leadership)</i>	Nuria Mariano Martin, MD Visiting Fellow/Observer 5/2017-7/2017 Observing Surgical Techniques and Clinical Observation ATTENDING SPINE SURGEON – SEVILLA, Spain Career development, academic and personal advice, research mentor
<i>Name Site/Position Mentoring Period (mm/yyyy-mm/yyyy) Project/Accomplishments**, Current Position Type of Supervision (Research, clinical, teaching, leadership)</i>	Jesus Elguera, MD Clinical Observer 7/2018-10/2018 Observing Surgical Techniques and Clinical Observation Associate Professor of Spine Surgery – Peru Career development, academic and personal advice, research mentor
<i>Name Site/Position Mentoring Period (mm/yyyy-mm/yyyy) Project/Accomplishments**, Current Position Type of Supervision (Research, clinical, teaching, leadership)</i>	Mohsam Khattab, MD Clinical Observer 1/2018-5/2018 Observing Surgical Techniques and Clinical Observation Associate Professor of Spine Surgery – Egypt Career development, academic and personal advice, research mentor
<i>Name Site/Position Mentoring Period (mm/yyyy-mm/yyyy) Project/Accomplishments**, Current Position Type of Supervision (Research, clinical, teaching, leadership)</i>	Phkaj Kandwal, MD Clinical Observer 2/2018-4/2018 Observing Surgical Techniques and Clinical Observation Professor – Department of Orthopaedics – All India Institute of Medical Sciences – Rishikesh, Uttarakhand, India Career development, academic and personal advice, research mentor
<i>Name Site/Position Mentoring Period (mm/yyyy-mm/yyyy) Project/Accomplishments**, Current Position Type of Supervision (Research, clinical, teaching, leadership)</i>	Khoi Than, MD Clinical Observer 9/2018 Observing Surgical Techniques and Clinical Observation Assistant Professor – Department of Neurological Surgery – Oregon Health and Science University

Type of Supervision (Research, clinical, teaching, leadership) Career development, academic and personal advice, research mentor

Name Yahya Alqahtani, MD
Site/Position Visiting Fellow/Clinical Observer
Mentoring Period (mm/yyyy-mm/yyyy) 3/2018
*Project/Accomplishments***, Observing Surgical Techniques and Clinical Observation
Current Position Spine Fellow – Ottawa University – Saudi Arabia
Type of Supervision (Research, clinical, teaching, leadership) Career development, academic and personal advice, research mentor

Name Albert Gotfryd, MD
Site/Position Visiting Fellow/Clinical Observer
Mentoring Period (mm/yyyy-mm/yyyy) 10/2017
*Project/Accomplishments***, Observing Surgical Techniques and Clinical Observation
Current Position Associate Professor of Spine Surgery – Sao Paulo, Brazil
Type of Supervision (Research, clinical, teaching, leadership) Career development, academic and personal advice, research mentor

Name Raphael Pratali, MD
Site/Position Visiting Fellow/Clinical Observer
Mentoring Period (mm/yyyy-mm/yyyy) 11/2016, 9/2017
*Project/Accomplishments***, Observing Surgical Techniques and Clinical Observation
Current Position Associate Professor of Spine Surgery – Sao Paulo, Brazil
Type of Supervision (Research, clinical, teaching, leadership) Career development, academic and personal advice, research mentor

Name Shan-Jin Wang MD, PhD
Site/Position Research Fellow
Mentoring Period (mm/yyyy-mm/yyyy) 1/2016-1/2017
*Project/Accomplishments***, 3 peer-reviewed publications, 1 podium
Current Position Associate Professor of Spine Surgery – Shanghai, China
Type of Supervision (Research, clinical, teaching, leadership) Career development, academic and personal advice, research mentor

Name Byung Wan Choi MD, PhD
Site/Position Research Fellow
Mentoring Period (mm/yyyy-mm/yyyy) 5/2017-5/2018
*Project/Accomplishments***, 4 peer-reviewed publications, 2 podium
Current Position Associate Professor Busan National Hospital – Busan, Korea
Type of Supervision (Research, clinical, teaching, leadership) Career development, academic and personal advice, research mentor

Other mentoring activities

Aside from those already assumed by my role as the Fellowship Director, Committee Chair, and Resident Leadership Group Listed above, none.

O. INSTITUTIONAL LEADERSHIP ACTIVITIES

<i>Role(s)/Position</i>	<i>Institution/Location</i>	<i>Dates (yyyy-yyyy)</i>
Fellowship Committee Chair	Hospital for Special Surgery, New York	2018 – Present

Spine Fellowship Director	Hospital for Special Surgery, New York	2015 – Present
Resident Leadership Group	Hospital for Special Surgery, New York	2013 – Present
Co-Director of Education	Hospital for Special Surgery, New York	2013 – 2015

P. INSTITUTIONAL ADMINISTRATIVE ACTIVITIES

<i>Name of Committee</i>	<i>Role (i.e., member, secretary, etc.)</i>	<i>Dates (yyyy-yyyy)</i>
Fellowship Committee	Chair, Member	2015-Present
Infection Control Committee	Member	2019-Present
Graduate Medical Education Committee	Member	2015-Present
Resident Leadership Group	Member	2013-Present
Curriculum Committee	Member	2013-Present

Q. EXTRAMURAL PROFESSIONAL RESPONSIBILITIES

Leadership in Extramural Organizations

<i>Organization</i>	<i>Role (i.e., officer, secretary, chair, etc.)</i>	<i>Dates (yyyy-yyyy)</i>
Operative Neurosurgery	Editorial Board	2020 – Present
Journal of Neurosurgery: Spine	Editorial Board	2020 – Present
Journal of Clinical Medicine	Editorial Board	2020 – Present
Asian Spine Journal	Editorial Board	2015 – Present
Spine	Reviewer	2015 – Present
Global Spine Journal	Reviewer	2014 – Present
The Spine Journal	Reviewer	2014 – Present
HSS Journal	Editorial Board	2013 – Present

Service on Boards and/or Committees

National

<i>Name of Committee</i>	<i>Role (i.e., member, fellow, etc.)</i>	<i>Organization Institution/Location</i>	<i>Dates (yyyy-yyyy)</i>
Emerging Leaders Committee	Member	American Orthopaedic Association	2019 – Present
Program Committee	Member	American Academy of Orthopaedic Surgeons	2016 – Present
Fellowship Committee	Chair	Complex Spine Study Group	2013 – Present
Executive Committee	Member	International Spine Study Group	2012 – Present
Executive Committee	Site PI (Principal Investigator)		

International

<i>Name of Committee</i>	<i>Role (i.e., member, fellow, etc.)</i>	<i>Organization Institution/Location</i>	<i>Dates (yyyy-yyyy)</i>
Fellowship Committee	Chair	AO Spine	2018 – Present
Program Committee	Member	Cervical Spine Research Society	2014 – Present
Program Committee	Member	North American Spine Society	2013 – Present

IMAST Program Committee	Chair	Scoliosis Research Society	2012 – Present
Evidence Based Committee	Member		
Program Committee	Member		

R. INVITATIONS TO SPEAK/PRESENT

Regional*

<i>Title</i>	<i>Institution/Location</i>	<i>Dates (yyyy)</i>
<i>Proximal Junctional Kyphosis</i>	Spine Fellowship Lecture Series – New York, New York (Virtual)	2022
<i>Diagnosis and Management of Adult Cervical Deformity: Development of the Kim Classification</i>	Grand Rounds: Columbia University Visiting Professor – New York, New York	2021
<i>Utility of Osteotomies in Complex Spine Surgery</i>	Neurosurgical Department, Weill Cornell Medical College, New York Presbyterian Hospital, New York	2019
<i>Proximal Junctional Kyphosis: Where are we and where are we headed?</i>	Grand Rounds Mount Sinai Hospital – New York, New York	2016
<i>Proximal Junctional Kyphosis: Methods for Prevention</i>	NYU Grand Rounds: New York, New York	2015

National*

<i>Title</i>	<i>Institution/Location</i>	<i>Dates (yyyy)</i>
<i>Cervical Deformity – Classification System and Management</i>	University of Miami (Virtual due to COVID)	2020
<i>Adult Spinal Deformity – Evaluation and Treatment</i>	New Orleans – Louisiana State University Spine Division	2020
<i>Management of Intra-operative Neuromonitoring Alerts in Complex Spinal Deformity Surgery</i>	Orthopaedic Surgery Department at Brown University	2019
<i>Visiting Professorship Series - Adult Deformity Surgery – Optimizing Value and Quality</i>	Virginia Mason Hospital, Seattle, WA	2018
<i>Surgical Approach to Cervical Spondylotic Myelopathy</i>	Grand Rounds Washington University School of Medicine, St. Louis	2012

International*

<i>Title</i>	<i>Institution/Location</i>	<i>Dates (yyyy)</i>
<i>Cervical Deformity Analysis and Surgical Planning</i>	Korean Society of Spine Surgery – Seoul, South Korea – Held Virtual due to COVID	2021
<i>Cervical Deformity Classification and Treatment</i>	Korean Neurosurgical Society – Held Virtual due to COVID	2021
<i>Optimizing Safety with the use of Intraoperative Monitoring in Complex Spinal Deformity Surgery</i>	Andalusian Spine Society Conference, Seville Spain	2018

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3. **Han Jo Kim MD**, Jin Sup Yeom MD PhD, Ron Lehman MD, K. Daniel Riew MD *Atlantoaxial and Occipitocervical Fusions* – AO The Spine
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5. **Han Jo Kim MD**, Keith H. Bridwell MD *Sacropelvic fixation in the Spine* *Masters Techniques in Spine Surgery*
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8. **Han Jo Kim MD**, Jacob M Buchowski MD *Posterior Only Resection and Instrumentation for a Tumor* Complex Spine Surgery

Recognition of Exemplary Service during the COVID-19 Pandemic

Please complete if relevant or DELETE entirely.

Faculty across all missions are encouraged to provide below an optional narrative, not to exceed 1 page, of their performance of unusual and exemplary service during the COVID-19 pandemic. This may include such activities as increased clinical service or redeployment to areas outside of their basic expertise, transformation of laboratory activities in support of COVID-19-related research, development of new educational curricula to enable remote electives and on-line learning.

Personally volunteered to cover the ICU and Served as the Fellowship Committee Chair during the pandemic, reorganizing the entire fellow staff (47 total trainees) during the height of the pandemic for ICU/Hospital Coverage where necessary while maintaining ACGME compliance and other regulatory constraints. In doing so, had to demonstrate significant leadership skills due to variations in trainee desire to volunteer, perceptions about the pandemic, their family/personal obligations, etc. In addition to working with all fellowship program directors and getting them on board with their fellow roles. All worked out well in mobilizing this support for what the hospital needed during this stressful time.