

## Curriculum Vitae



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Birth: July 2<sup>nd</sup>, 1971

Medical School Graduate: 1997, **Kyung-Hee Medical Univ.**

Internship: 1998, Kyung-Hee Medical Univ.

Orthopaedic Residency: 2006, **Seoul Sacred Heart General Hospital**

Ph.D.: 2014-2019. **Chung-Buk National Univ.**

Spine Center Standing Surgeon:2006-2011, **Seoul Sacred Heart General Hospital**

AO Spine Fellowship: 2010, **Basel Univ**, Swiss

Spine Center Chief Surgeon & International BESS education center

:2012-2018, **Barun Hospital, Jinju, South Korea**

**Co-Chairman of Himnaera Hospital, Pusan, South Korea : 2018 ~ present**

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## Ph.D. course

### **Awareness Assessment on Continuing Medical Education in Korean Orthopaedic Society**

J Korean Orthop Assoc, 49: 214-222, 2014.

### **Web-Based Continuing Medical Education in Korean and Foreign Orthopaedic Societies**

J Korean Orthop Assoc, 48: 111-117, 2013.

## Best Paper Award

### **2017 KOSASS, Korean Society for the Advancement of Spine Surgery.**

: Surgical Strategies of Extraforaminal approach for L5-S1 Foraminal Stenosis

### **2016 KOMISS, Korean Minimally Invasive Spine Surgery Society**

#### **-Advanced Spinal Endoscopic Course Symposium and Cadaver Workshop-**

: Technical strategies for L5-S1 foraminal approach of floating technique by endoscopic spine surgery

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## Podium Presentation

2021

2021. 7.2~7.3 6<sup>th</sup> ASEAN MISST, Indonesia

Director of "In Depth Virtual Guide Workshop"

UBE : Posterior Approach in Lumbar Spinal Stenosis

2021. 4.1~4.3 PASMISS, Seoul, South Korea

1. Approach Decision for Adjacent Segment Disease using Bi-portal Endoscopic Spine Surgery

2. Transforaminal Approach for Lumbar Spinal Stenosis: MISS Symposium

2021. 3. 3/5/11, MGB International Webinar, "Zoom BE DANCE" , Pusan, Korean

Class 1: Approach Decision on Biportal-ESS -Four Level Stenosis Protocol-

Class 2: Strategy for ASD after Fusion Surgery -Safe Approach & Sufficient Decompression-

Class 3: L5S1 Foraminal Stenosis -Propping Mechanism of SAP & Far-Out Syndrome-

2021. 1. 21. The 11<sup>th</sup> Didactic Course. Live with Experts in Endoscopic Spine Surgery with Maxmore. Pohang. South Korea

Biportal Endoscopic Spine Surgery for Lumbar Spinal Stenosis

2020

2020. 5. 21, International Webinar, Columbia, Latin America

Minimally Invasive Endoscopic Spinal Surgery.

Keynote Speech: Biportal Endoscopic Spine Surgery for Severe Lumbar Spinal Stenosis

2019

2019. 7.2-4, The 7<sup>th</sup> MSS Scientific Congress. IPOH, Malaysia

Keynote Speech: Biportal Endoscopic Spine Surgery for Severe Lumbar Spinal Stenosis

2019. 5. 3-4, The 2<sup>nd</sup> International BESS Symposium, Ibiza, Spain

1. Keynote Speech: Biportal Endoscopic Spine Surgery for Lumbar Foraminal Stenosis

2. Why BESS spread in Korea?

3. Biportal Endoscopic Spine Surgery for Lumbar Degenerative Spondylolisthesis

## 2018

2018. 7. 7 AO Spine Congress, Seoul, South Korea

Analysis of Diagnostic Accuracy of MRI for L5-S1 Foraminal Stenosis

2018. 8. 2~5 Global Spine Conference, Singapore

Biportal Endoscopic Discectomy and Decompression: Far lateral approach

2018. 9. 9 Korean MISS Symposium

Vascular Geometry of Lumbar Spine: Decompression of Lumbar Foraminal Stenosis

2018.10.11 KNS 2018, International Neurosurgical Conference

Extraforaminal approach: Decompression only using Biportal Endoscopic Spine Surgery

2018.11.30 Korean MISS Cadaver Workshop, Seoul, South Korea

Biportal Endoscopic Discectomy and Decompression: Far lateral approach

2018.12.21 The BESS, Cadaver Workshop, Seoul, South Korea

Biportal Endoscopic Spine Society, The 1<sup>st</sup> International BESS Cadaver Workshop

## 2017

2017. 4. 8 Korean MISS Symposium, Seoul, South Korea

Early Revision during Biportal Endoscopic Spinal Surgery

2017. 9. 9 Korean MISS Symposium, Seoul, South Korea

Biportal Endoscopic Spinal Surgery for Recurrent Lumbar Disc Herniation

2017.11 3 Kyung-Hee Univ. Spine Update, Seoul, South Korea

Biportal Endoscopic Spinal Surgery for Severe Lumbar Spinal Stenosis

2017.11. 19 KOSASS, Seoul, South Korea

Biportal Endoscopic Spinal Surgery for Isthmic Spondylolisthesis

2017.11.25 MISS Cadaver Workshop, Seoul, South Korea

Biportal Endoscopic Discectomy and Decompression: Far lateral approach

2017.12. 1 Ulji Univ. Spine Symposium, Seoul, South Korea

Biportal Endoscopic Spinal Surgery for Lumbar Degenerative Disorders

2016

2016. 5.12 Korean Spine Society Symposium, Seoul, South Korea

1. Revision surgery for Recurred LDH by BESS
2. Treatment for High lumbar disc herniation by BESS

2016. 8.1 VR symposium (Hong-Kong. APAN42)

Live Spine Surgery in BESS.

The 1<sup>st</sup> in Korea VR Surgery Symposium

2016.9.24 Korean MISS Symposium, Seoul, South Korea

BESS approach for L5S1 lesion

2016. 11. 18. Korean Spine Society Symposium, Seoul, South Korea

Technique and Application of Biportal Endoscopic Spine Surgery for Lumbar Spinal Stenosis

2016.11. 26. Korean MISS Cadaver Symposium, Seoul, South Korea

Biportal endoscopic discectomy and decompression: Far lateral approach

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## Published Papers on BESS

2021

**1. Overview of Tips in Overcoming Learning Curve in Uniportal And Biportal Endoscopic Spine Surgery**

Wu PH, Kim HS, Choi DJ, Gamaliel YH. J Minim Invasive Spine Surg and Tech 6(1):1-13, 2021

2020~2016

**1. Safety Evaluation of Biportal Endoscopic Lumbar Discectomy: Assessment of Cervical Epidural Pressure During Surgery**

Kang MS, Park HJ, Hwang JH, Kim JE, Choi DJ, Chung HJ. Spine (Phila Pa 1976). 2020 Oct 15;45(20):E1349-E1356.

**2. Clinical and radiological outcomes between biportal endoscopic decompression and microscopic decompression in lumbar spinal stenosis.**

Min WK, Kim JE, Choi DJ, Park EJ, Heo J. J Orthop Sci. 2020 May;25(3):371-378.

**3. Biportal Endoscopic Spinal Surgery for Lumbar Spinal Stenosis.**

Kim JE, Choi DJ, Park EJJ, Lee HJ, Hwang JH, Kim MC, Oh JS. Asian Spine J. 2019 Apr;13(2):334-342

**4. Efficacy of Biportal Endoscopic Spine Surgery for Lumbar Spinal Stenosis.**

Choi DJ, Kim JE. Clin Orthop Surg. 2019 Mar;11:82-88.

**5. Evaluation of Postoperative Spinal Epidural Hematoma After Biportal Endoscopic Spine Surgery for Single-Level Lumbar Spinal Stenosis: Clinical and Magnetic Resonance Imaging Study.**

Kim JE, Choi DJ, Park EJ. World Neurosurg. 2019 Jun;126:e786-e792.

**6. Pseudomeningocele after biportal endoscopic spine surgery: A case report.**

Kang SS, Kim JE, Choi DJ, Park EJJ Orthop. 2019 Oct 25;18:1-4.

**7. Risk Factors and Options of Management for an Incidental Dural Tear in Biportal Endoscopic Spine Surgery.**

Kim JE, Choi DJ, Park EJ. Asian Spine J. 2020 Dec;14(6):790-800

**8. Biportal Endoscopic Transforaminal Lumbar Interbody Fusion with Arthroscopy.**

Kim JE, Choi DJ. Clin Orthop Surg. 2018 Jun;10(2):248-252.

**9. Unilateral Biportal Endoscopic Spinal Surgery Using a 30° Arthroscope for L5-S1 Foraminal Decompression.**

Kim JE, Choi DJ. Clin Orthop Surg. 2018 Dec;10(4):508-512

**10. Clinical and Radiological Outcomes of Foraminal Decompression Using Unilateral Biportal Endoscopic Spine Surgery for Lumbar Foraminal Stenosis.**

Kim JE, Choi DJ, Park EJ. Clin Orthop Surg. 2018 Dec;10(4):439-447

**11. Clinical and Radiological Outcomes of Unilateral Biportal Endoscopic Decompression by 30° Arthroscopy in Lumbar Spinal Stenosis: Minimum 2-Year Follow-up.**

Kim JE, Choi DJ. Clin Orthop Surg. 2018 Sep;10(3):328-336.

**12. Unilateral Biportal Endoscopic Decompression by 30° Endoscopy in Lumbar Spinal Stenosis: Technical Note and Preliminary Report.**

Kim JE, Choi DJ. J Orthop. 2018 Jan 31;15(2):366-371

**13. Biportal Arthroscopic Spinal Surgery (BASS) with 30° Arthroscopy for Far Lateral Approach of L5-S1 - Technical note.**

Kim JE, Choi DJ. J Orthop. 2018 Mar 5;15(2):354-358.

**14. Biportal Endoscopic Spine Surgery for Various Foraminal Lesions at the Lumbosacral Lesion.**

Choi DJ, Kim JE, Jung JT, Kim YS, Jang HJ, Yoo B, Kang IH. Asian Spine J. 2018 Jun;12(3):569-573

**15. Extraforaminal Approach of Biportal Endoscopic Spinal Surgery: A New Endoscopic Technique for Transforaminal Decompression and Discectomy.**

Ahn JS, Lee HJ, Choi DJ, Lee KY, Hwang SJ. J Neurosurg Spine. 2018 Feb 23:1-7.

**16. Vascular Geometry of Lumbar Foramen for Endoscopic Spine Surgery**

Choi DJ, Kim MC, Oh JS, Kim JE JASS, 2018. Dec 8(2), 43-48 ([www.kosass.or.kr](http://www.kosass.or.kr))

**17. Etiology of Early Revision during Biportal Endoscopic Spine Surgery**

Choi DJ, JASS 2017. Jun 7(1), 34-40 ([www.kosass.or.kr](http://www.kosass.or.kr))

**18. How I do it? Biportal Endoscopic Spinal Surgery (BESS) for Treatment of Lumbar Spinal Stenosis.**

Choi CM, Chung JT, Lee SJ, Choi DJ. Acta Neurochir (Wien). 2016 Mar;158(3):459-63.

**19. Biportal Endoscopic Spinal Surgery for Recurrent Lumbar Disc Herniations.**

## Published Papers on Orthopaedics & Spine

**1. The Oblique Proximal Interlocking Screw for Intramedullary Nailing Proximal Tibial Fractures: Is It Safe?**

J Korean Orthop Assoc, 46: 140-145, 2011.

**2. Lower-Pressure Percutaneous Vertebroplasty Using Larger-Diameter Bone-Cement Fillers**

J Korean Soc Spine Surg. 2010 Sep;17(3):127-138

**3. Survival and Prognostic Analysis of Adjacent Segments after Spinal Fusion**

Clin Orthop Surg. 2010 Sep;2(3):140-147.

**4. Tardy Spinal Cord Compression without Bone Cement Leakage after Kyphoplasty - A Report of 3 Cases -.**

J Korean Soc Spine Surg, 17: 104-110, 2010.

**5. Spinal Cord Injury Caused by Bone Cement after Percutaneous Vertebroplasty - One Case of Long-term Follow-up and the Result of Delayed Removal-.**

J Korean Orthop Assoc, 44: 386-390, 2009.

**8. The Efficacy of Kyphoplasty on Osteoporotic Vertebral Compression Fracture - A 1-Year Follow-up Study -.**

J Korean Soc Spine Surg, 16: 79-88, 2009.

**9. The Effect of Demineralized Bone Matrix as a Graft Enhancer in Posterior Lumbar Interbody Fusion Using Cage and Local Bone Chips.**

J Korean Soc Spine Surg, 15: 157-164, 2008.

**11. The Result of Early Decompression of Progressive Neurologic Deficit after Spine Surgery -A Case Report-.**

J Korean Soc Spine Surg, 14: 201-206, 2007.

**12. Operative Treatment of Delayed Collapse of Osteoporotic Vertebral Fracture with Claudication**

**- Transpedicular Bone Graft and Pedicle Screw Fixation -.**

J Korean Soc Spine Surg, 14: 73-78, 2007.



**13. Degenerative Change of Adjacent Segments according to the Fusion Method after L4-5 Segmental Fusion - Comparative Study of Posterolateral Fusion and Posterior Lumbar Interbody Fusion -.**

J Korean Orthop Assoc, 41: 281-287, 2006.

**14. Posterior Lumbar Interbody Fusion with Chip Bone and Pedicle Screw Fixation - Comparative Study between Local Chip Bone Graft and Autoiliac Chip Bone Graft -**

J Korean Orthop Assoc, 39: 614-620, 2004.

**15. Neurologically Symptomatic Epidural Hematoma after Lumbar Spine Surgery - Comparative Study for Risk Factors -.**

J Korean Soc Spine Surg, 11: 154-160, 2004.

**16. A 6-year Observation of Multiple Spinal Schwannomas Before Excision - 1 Case Report -.**

J Korean Soc Spine Surg, 10: 277-282, 2003.