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Professor

Department of Neurosurgery

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EXPERIENCE:

2019, 1st April– present Deputy Director, Eunpyeong St. Mary's Hospital, Catholic University, Seoul, Korea

2019, 1st April– present Chief of Spine & Joint Center, Eunpyeong St. Mary's Hospital, Catholic University, Seoul, Korea

2019, 1st April– present Professor, Dept. of Neurosurgery, Eunpyeong St. Mary's Hospital, Catholic University, Seoul, Korea

2021 – present President, Korean Intraoperative Monitoring Society

2021 – present Secretary General, Korean Spinal Neurosurgery Society
2021 – present Secretary General, Korean Cervical Spine Research Society
2021 – present Scientific Committee Chair, Korean Spinal Deformity Research Society
2021 – present Scientific Committee Vice Chair, Korean Neurosurgical Society
2021 – present Reviewer, Plos One
2021 – present Reviewer, Journal of NeuroInterventional Surgery
2021 – present Reviewer, BMC musculoskeletal disorder
2020 – present Reviewer, Scientific reports
2019 – present Reviewer, World Neurosurgery
2019 – present Editorial Board, International Journal of Spine Surgery
2018 – present Reviewer, J of Neuroradiology
2017 – present Reviewer, Operative Neurosurgery
2016 – present Reviewer, The Spine Journal
2016 – present Reviewer, Neurosurgery
2016 – present Reviewer, European Neurology
2016 – present Editorial board, Case Reports in Orthopedics
2012, March – 2019, March Professor Dept. of Neurosurgery, Catholic University, St. Vincent Hospital

2009 – 2012 Associate Professor, Dept. of Neurosurgery, Catholic University, St. Vincent Hospital
2010 – present Reviewer, Korean Journal of Neurological Surgery
2010 – present Reviewer, Clinical Anatomy
2003 – 2008 Assistant Professor, Dept. of Neurosurgery, Catholic University, St. Vincent Hospital
2009 – present Review Board of The Korean Journal of Spine
2008 – present Reviewer of the Surgical and Radiologic Anatomy (Springer)
2003 – present Review Board of The Journal of The Korean Neurosurgical Society
1999 - 2002 Chief of Neurosurgery, Wonju National Army Hospital
1998 - 1999 Chief Resident, Neurosurgery, Kangnam St. Mary's Hospital, Seoul, Korea

EDUCATION:

2019 AOspine fellowship in National Center for Spinal Disorder, Budapest (Dr. Varga)
2007 – 2009 Postdoctoral fellowship in Rush University Medical Center, Department of Orthopedic Surgery (Dr. Howard An)
2008 Clinical Fellow, Ohio University Medical Center, Department of Neurosurgery

(Dr. Ehud Mendel)

2002 – 2005 Ph.D. - Neurosurgery, Catholic University of Korea

2002 – 2003 Fellowship - Catholic University, Dept. of Neurosurgery, St. Vincent Hospital

1995 – 1999 Residency - Catholic University, Dept. of Neurosurgery, Kangnam St. Mary's Hospital

1988 - 1994 B.S./M.D. - Catholic University Medical College of Korea

LICENSURE:

1999 Board License - Korean Board of Neurological Surgery

1994 Medical License - Republic of Korea

RESEARCH:

2002 – Present:

- Craniovertebral junctional disorder
- Cervical spinal disorder
- Cervical alignment and Cervical Spine Deformity
- Disc degenerative disease and degenerative thoracolumbar spinal disorder
- Spine tumor
- Biomechanical study of spinal instrumentation
- Anatomical studies of the spine surgery and peripheral nerves

HONORS/AWARDS:

2021 Best Paper Award, The Korean Neurosurgery Society

2019 Best Paper Award, The Korean Cervical Spine Research Society

2018 Clinical Research Award, The Korean Spinal Neurosurgery Society

2018 Best Paper Award, The Korean Society of Intraoperative Neurophysiological Monitoring

2017 Lami Academic Award, The Korean Spinal Neurosurgery Society

2016 Best faculty Award. The Catholic University of Korea, Neurosurgical Department

2016 Best Paper Award, The Korean Society of Intraoperative Neurophysiological Monitoring

2015 Lami Academic Award, The Korean Spinal Neurosurgery Society

2015 Best Paper Award, The Korean Spinal Neurosurgery Society

- 2012 Lami Academic Award, The Korean Spinal Neurosurgery Society
- 2011 Best Paper Award, The Korean Spinal Neurosurgery Society
- 2011 Best faculty Award. The Catholic University of Korea, Neurosurgical Department
- 2010 Best faculty Award. The Catholic University of Korea, Neurosurgical Department
- 2010 Co-Recipient, Fellow Research Award, 38nd Annual Meeting of Cervical Spine Research Society, 2010
- 2010 Asia Spine Meeting, Best Paper Award
- 2006 The Korean Neurotrauma Society, Best Paper Award
- 2006 The Korean Spinal Neurosurgery Society, Best Paper Award of the 2005
- 2005 The Catholic University of Korea, Young Neurosurgeon Award

Professional Membership:

Corresponding Member, Cervical Spine Research Society, 2010 – Present

Member, North American Spine Society, 2008- Present

Member, Congress of Neurological Surgery, 2007- Present

Member, The Korean Society for Neurological Surgeons, 1996 – Present

Member, The Korean Society of Spinal Neurosurgery, 2006-Present

Member, Korean neurotrauma society, 2003- Present

Member, Asia-Pacific Cervical Spine Society, 2007-Present

Member, Korean Cervical Spine Research Society, 2006- Present

PUBLICATIONS:

● **Books:**

1. Kwon JT, Hwang SK, **Hong JT**: Approaches in Neurosurgery (신경외과 수술의 접근법) (Ed. Hwang SK.). Seoul medical books, Seoul, 2006
2. **Hong JT** et al: Spine, Gunja publication, Seoul, 2008
3. **Hong JT** et al: Surgical Atlas of Spine, Korean Spinal Neurosurgery Society, 2010
4. **Hong JT** et al: Spine Surgery Operative Techniques 2nd Edition, Elsevier, USA, 2012
5. **Hong JT** et al: Spine 2nd Edition, Gunja publication, Seoul, 2013
6. **Hong JT** et al: Carpal Tunnel Syndrome, Nova Publication, USA, 2014
7. **Hong JT** et al: Surgical Techniques of Spine, WFNS, 2015

8. **Hong JT** et al: Video Atlas of Spine Surgical Techniques, Bentham Science, London, 2016
9. **Hong JT** et al: 목 편하게 사는 이야기, 대한 경추 연구회, 2016
10. **Hong JT** et al: Spine Surgery Operative Techniques 3rd Edition, Elsevier, USA, 2016
11. **Hong JT et al**: Epiduroscopy: Atlas of Procedures, 1st edition, Thieme, USA, 2017
12. **Hong JT** et al: Spine 3rd Edition, Gunja publication, Seoul, 2018
13. **Hong JT** et al: Cervical Spine Deformity Surgery, Thieme, USA, 2019

● **Articles**

1. Evaluation of Cervicomedullary Compression Around the Craniovertebral Junction: Commentary on "Measurement of Deformity at the Craniovertebral Junction: Correlation of Triangular Area and Myelopathy". **Hong JT**. Neurospine. 2022 Dec;19(4):896-898.
2. Failure to Obtain Baseline Signals of Transcranial Motor-Evoked Potentials in Spine Surgery: Analysis of the Reasons. Oh BH, Kim JY, Lee JB, Kim IS, **Hong JT**, Sung JH, Lee HJ. World Neurosurg. 2022 Nov 1: S1878-8750(22)01502-9.
3. Surgical Versus Conservative Management for Treating Unstable Atlas Fractures: A Multicenter Study. Shin JJ, Kim KR, Shin J, Kang J, Lee HJ, Kim TW, **Hong JT**, Kim SW, Ha Y. Neurospine. 2022 Dec;19(4):1013-1025
4. Hwang H, Shin JH, **Hong JT**, Ihn YK. Endovascular Treatment of a Lumbar Spinal Epidural Arteriovenous Fistula with Radiculopathy: A Case Report. Taehan Yongsang Uihakhoe Chi. 2021 Nov;82(6):1628-1633.
5. Park JH, Kim JT, Kim IS, **Hong JT**. Are plain radiographic measurements still consistent with a diagnosis of basilar invagination in the era of cross-sectional images? Medicine (Baltimore). 2022 Sep 23;101(38): e30552.
6. Park JH, Kim JT, Kim IS, **Hong JT**. Analysis of Associating Radiologic Parameters with Clinical Outcomes after Posterior C1-2 Fusion. Neurospine. 2022 May 15 Online ahead of print.
7. Han K, You ST, Lee HJ, Kim IS, **Hong JT**, Sung JH. Hounsfield unit measurement method and related factors that most appropriately reflect bone mineral density on cervical spine computed tomography. Skeletal Radiol. 2022 Apr 13. Online ahead of print.

8. Lee SH, Park JH, Lee JB, Lee HJ, Kim IS, Hur JW, **Hong JT**. Safety and efficacy of intraoperative Doppler sonography-assisted cervical pedicle screw fixation - A retrospective comparison with conventional pedicle screw implantation. *Global Spine J* 2022 Feb 22 Online ahead of print
9. Hwang H, Shin JH, **Hong JT**, Ihn YK. Endovascular treatment of a lumbar spinal epidural arteriovenous fistula with radiculopathy: A Case Report. *J Korean Society of Radiology*. 2021 Aug
10. Lee HJ, Kim IS, **Hong JT**. Physiologic Cervical Alignment Change between Cervical Spine X-ray and Computed Tomography. *J Korean Neurosurg Soc*. 2021 Jul 28. doi: 10.3340/jkns.2020.0320. Online ahead of print.
11. Lee HJ, You ST, Kim JH, Kim IS, Sung JH, **Hong JT**. Significance of Cervical Spine Computed Tomography Hounsfield Units to Predict Bone Mineral Density and the Subsidence After Anterior Cervical Discectomy and Fusion. *Clin Spine Surg*. 2021 Jun 7. doi: 0.1097/BSD.0000000000001218. Online ahead of print.
12. Lee JB, Park JH, Lee JJ, Lee HJ, Kim IS, Hur JW, **Hong JT**. Influence of dynamic neck motion on the clinical usefulness of multi-positional MRI in cervical degenerative spondylosis. *Eur Spine J*. 2021 Jun;30(6):1542-1550.
13. **Hong JT**, Koller H, Abumi K, Yuan W, Falavigna A, Lee HJ, Lee JB, Lee JJ, Le Huec JC, Park JH, Kim IS. A new nomenclature system for the surgical treatment of cervical spine deformity, developing, and validation of SOF system. *Eur Spine J*. 2021 Jun;30(6):1670-1680.
14. Lee DH, Park JH, Lee JJ, Lee JB, Lee HJ, Kim IS, Hur JW, **Hong JT**. Intraoperative surveillance of the vertebral artery using indocyanine green angiography and Doppler sonography in craniovertebral junction surgeries. *Neurosurg Focus*. 2021 Jan;50(1): E5.
15. Roth P, Pace A, Le Rhun E, Weller M, Ay C, Cohen-Jonathan Moyal E, Coomans M, Giusti R, Jordan K, Nishikawa R, Winkler F, **Hong JT**, Ruda R, Villà S, Taphoorn MJB, Wick W, Preusser M; EANO Executive Board; ESMO Guidelines Committee. Neurological and vascular complications of primary and secondary brain tumours: EANO-ESMO Clinical Practice Guidelines for prophylaxis, diagnosis, treatment and follow-up. *Ann Oncol*. 2020 Nov 19: S0923-7534(20)43146-1. doi: 10.1016/j.annonc.2020.11.003. Online ahead of print.
16. **Hong JT**, Koller H, Abumi K, Yuan W, Falavigna A, Lee HJ, Lee JB, Lee JJ, Le Huec JC, Park JH, Kim IS. SOF System; A New Nomenclature System for the Surgical Techniques of Cervical Spine Deformity. *Neurospine*. 2020; 17(3):505-512
17. **Hong JT**, Kim IS, Lee HJ, Park JH, Hur JW, Lee JB, Lee JJ, Lee SH. Evaluation and Surgical

- Planning for Craniovertebral Junction Deformity. *Neurospine*. 2020; 17(3):568-573
18. Jang SH, Hong SO, Jang H, Lee HY, Choi WC, **Hong JT**. The key-hole augmentation with demineralized bone matrix in anterior cervical trans-corporeal discectomy – Preliminary result of a novel technique. *Interdisciplinary Neurosurgery* 2020; 21: 1-8
 19. Lee CH, **Hong JT**, Lee SH, Yi S, Sohn MJ, Kim SH, Chung CK. Is the Spinal Instability Neoplastic Score Accurate and Reliable in Predicting Vertebral Compression Fractures for Spinal Metastasis? A Systematic Review and Qualitative Analysis. *J Korean Neurosurg Soc*. 2020 Jun 24. doi: 10.3340/jkns.2020.0105. Online ahead of print.
 20. Park JH, Lee JB, Lee HJ, Kim IS, **Hong JT**. Accuracy evaluation of placements of three different alternative C2 screws using the freehand technique in patients with high riding vertebral artery. *Medicine* 2019 98(46): e17891
 21. Oh JK, **Hong JT**, Kang DH, Kim SW, Kim SW, Kim YJ et al. Epidemiology of C5 Palsy after Cervical Spine Surgery: A 21-Center Study. *Neurospine* 2019 16 (3):558-562
 22. **Hong JT**, Espinoza Orías AA, An HS. Anatomical study of the ventral neurovascular structures and hypoglossal canal for the surgery of the upper cervical spine. *J Clin Neurosci*. 2020 Jan;71:245-249
 23. **Hong JT**, Oh JS, Lee DH, Lim SH, Kim JS. Association Between the Severity of Dysphagia and Various Parameters of the Cervical Spine; Videofluoroscopic Analysis in Neutral and Retraction Position of the Normal Volunteers. *Spine (Phila Pa 1976)*. 2020 45(2):103-108
 24. Park JH, **Hong JT**, Lee JB, Kim LS. Clinical Analysis of Radiologic Measurements in Patients with Basilar Invagination. *World Neurosurgery*. 2019 Nov;131:e108-e115.
 25. **Hong JT**. Human Craniovertebral Alignment as a “Tertiary Curvature”. *Neurospine*. 2019 16 (2) 251-254
 26. Park JH, Lee JB, Kim IS, **Hong JT**. Transdiscal C7 Pedicle Subtraction Osteotomy With a Strut Graft and the Correction of Sagittal and Coronal Imbalance of the Cervical Spine. *Oper Neurosurg (Hagerstown)*. 2020 Mar 1;18(3):271-277.
 27. Yi HJ, **Hong JT**, Lee JB, Park JH, Lee JJ, Kim IS, Yang SH, Sung JH. Analysis of Risk Factors for Posterior C1 Screw-Related Complication: A Retrospective Study of 358 Posterior C1 Screws. *Oper Neurosurg (Hagerstown)*. 2019 Nov 1;17(5):509-517
 28. Kim HS, Lee JB, Park JH, Lee HJ, Lee JJ, Dutta S, Kim IS, **Hong JT**. Risk factor analysis of postoperative kyphotic change in subaxial cervical alignment after upper cervical fixation. *J Neurosurg Spine*. 2019 31(2):265-270
 29. Lee CH, **Hong JT**, Kang DH, Kim KJ, Kim SW, Kim SW, Kim YJ, Chung CK, Shin JJ, Oh JK, Yi S, Lee JK, Lee JH, Lee HJ, Chun HJ, Cho DC, Jin YJ, Choi KC, Han IH, Hyun SJ, Hur JW, Song

- GS. Epidemiology of iatrogenic vertebral artery injury in cervical spine surgery: 21 multicenter studies. *World Neurosurg.* 2019 Jun;126:e1050-e1054.
30. Lee HJ, Sung JH, **Hong JT**, Kim IS, Yang SH, Cho CB. Change of Extracellular Glutamate Level in Striatum during Deep Brain Stimulation of the Entopeduncular Nucleus in Rats. *J Korean Neurosurg Soc.* 2019 Mar;62(2):166-174.
31. Kim IS, Kim YI, **Hong JT**, Lee DS. Rationales for Urodynamic Study in Patients with Cervical Spondylotic Myelopathy. *World Neurosurg.* 2018 Dec 22. [Epub ahead of print]
32. Lee JB, Kim IS, Lee JJ, Park JH, Cho CB, Yang SH, Sung JH, **Hong JT**. Validity of a smartphone application (SagittalMeter Pro) for the measurement of sagittal balance parameters. *World Neurosurg.* 2018 Dec 14. [Epub ahead of print]
33. Lee JB, Kim IS, Kwon JY, Lee JJ, Park JH, Cho CB, Yang SH, Sung JH, **Hong JT**. Difference of Dynamic Morphometric Changes Between Patients with Ossification of Posterior Longitudinal Ligament and Patients with Cervical Spondylosis: Assessment by Cervical Dynamic Magnetic Resonance Imaging. *World Neurosurg.* 2019 Mar;123:e566-e573
34. Lee HJ, Kim JH, Kim IS, **Hong JT**. Physiologic Cervical Alignment Change Between Whole Spine Radiographs and Normal Standing Cervical Radiographs. *World Neurosurg.* 2019 Feb;122:e1222-e1227
35. Park JH, Ihn YK, **Hong JT**. Significance of Provocative Perfusion Computed Tomography for the Evaluation of Bow Hunter's Syndrome. *World Neurosurg.* 2019 Jan;121:1-3
36. Kim YI, Lee DH, Cho CB, Yang SH, Kim IS, **Hong JT**, Sung JH, Jeun SS. The usefulness of dual volume visualization (three-dimensional digital subtraction angiography and cross-sectional imaging) for surgical planning in treating intracranial meningiomas: a case series and technical report. *World Neurosurg.* 2018 Sep 18.
37. Lee HJ, Kim JH, Kim IS, **Hong JT**. Anatomical evaluation of the vertebral artery (V2) and its influence in cervical spine surgery. *Clin Neurol Neurosurg.* 2018 Sep 8;174:80-85.
38. **Hong JT**, Kim JH, Kim KS, Lee CS, Shin HC, Kim WK, Kim JH, Lee JK, Kim IS, Ha Y, Im SB, Kim SW, Han IH, Shin JJ, Rim B, Suk KS, Kim JH, Park YS, Chang BS, Jun DS, Kim YH, Lee JH, Min WK, Lee JS, Park SY, Oh IS, Hong JY, Seo BJ, Kim YJ, Lee J. Pharmacological target therapy of neuropathic pain and patient-reported outcomes in patients with chronic low back pain in Korea: Results from the NLBP Outcomes Research. *Medicine (Baltimore).* 2018 Aug;97(35):e11919
39. Lee JJ, **Hong JT**, Kim IS, Kwon JY, Lee JB, Park JH. Significance of Multimodal Intraoperative Monitoring During Surgery in Patients with Craniovertebral Junction Pathology. *World Neurosurg.* 2018 Oct;118:e887-e894

40. Yi HJ, Sung JH, Lee DH, Yang SH, **Hong JT**. A useful diagnostic method to reduce the in-hospital time delay for mechanical thrombectomy: volume perfusion computed tomography with added vessel reconstruction. *J Neurosurg*. 2018 Apr 13:1-8
41. Kim JY, Kwon JY, Kim MS, Lee JJ, Kim IS, **Hong JT**. Comparison of Morphological Characteristics of the Subaxial Cervical Spine between Athetoid Cerebral Palsy and Normal Control. *J Korean Neurosurg Soc*. 2018 Mar; 61(2):243-250.
42. Kim IS, **Hong JT**, Lee JJ, Lee JB, Cho CB, Yang SH, Sung JH. A Novel Technique for Cervical Laminoplasty Fusion: Simultaneously Enhancing Stabilization and Decompression in Various Cervical Myelopathies: A Technical Note and Outcomes. *World Neurosurg*. 2018 111:361-366.
43. Kim JH, **Hong JT**, Lee CS, Kim KS, Suk KS, Kim JH, Park YS, Chang BS, Jun DS, Kim YH, Lee JH, Min WK, Lee JS, Park SY, Oh IS, Hong JY, Shin HC, Kim WK, Kim JH, Lee JK, Kim IS, Ha Y, Im SB, Kim SW, Han IH, Shin JJ, Rim BC, Seo BJ, Kim YJ, Lee J. Prevalence of Neuropathic Pain and Patient-Reported Outcomes in Korean Adults with Chronic Low Back Pain Resulting from Neuropathic Low Back Pain. *Asian Spine J*. 2017 Dec;11(6):917-927.
44. Kim YJ, Sung JH, **Hong JT**, Lee SW. Horizontal stent assisted coiling of wide neck basilar tip aneurysm: Comparison of two cases. *J Cerebrovasc Endovasc Neurosurg*. 2017 Sep; 19(3):201-206
45. Hu SY, Yi HJ, Lee DH, **Hong JT**, Sung JH, Lee SW. Effectiveness and safety of mechanical thrombectomy with stent retrievers in basilar artery occlusion: Comparison with anterior circulation occlusions. *J Korean Neurosurg Soc*. 2017; 60(6):635-643.
46. Kim JY, **Hong JT**, Oh JS, Jain A, Kim IS, Lim SH, Kim JS. Influence of neck postural changes on cervical spine motion and angle during swallowing, *Medicine (Baltimore)*. 2017 ;96(45):e8566
47. Yi HJ, Sung JH, Lee DH, **Hong JT**, Lee SW. Single-Center Experience of Mechanical Thrombectomy with the Trevo XP ProVue 6 × 25 mm Stent Retriever in Middle Cerebral Artery Occlusion: Comparison with Trevo XP ProVue 4 × 20 mm. *World Neurosurg*. 2017 107:649-656.
48. Lee CH, Chung CK, Jang JS, Kim SM, Chin DK, Lee JK, Yoon SH, **Hong JT**, Ha Y, Kim CH, Hyun SJ. Effectiveness of deformity-correction surgery for primary degenerative sagittal imbalance: a meta-analysis. *J Neurosurg Spine* 2017 Aug 11:1-12
49. **Hong JT**, Tomoyuki T, Jain A, Orías AAE, Inoue N, An HS. Which salvage fixation technique is best for the failed initial screw fixation at the cervicothoracic junction? A biomechanical comparison study. *Eur Spine J*. 2017
50. Lee DH, Sung JH, Kim SU, Yi HJ, **Hong JT**, Lee SW. Effective use of balloon guide catheters in reducing incidence of mechanical thrombectomy related distal embolization. *Acta Neurochir (Wien)* 2017,

51. **Hong J**, Lim S. Dysphagia after Occipitocervical Fusion. *N. Engl. J. Med* 2017, 376 (22) e46
52. Song MS, Lee HJ, Kim JT, Kim JH, **Hong JT**. Ponticulus posticus: Morphometric analysis and its anatomical implications for occipitocervical fusion. *Clin Neurol Neurosurg* 2017, 157:76-81
53. Lee DH, **Hong JT**, Sung JH, Jain A, Huh J, Kim SU et al. Corrigendum to “Morphological Analysis of occipital sinuses for occipital screw fixation using digital subtraction angiography”. [*World Neurosurg.* 2016, 91, 279-84]. *World Neurosurg* 2017, 100:706
54. Lee KJ, Shim I, Sung JH, **Hong JT**, Kim IS, Cho CB. Striatal Glutamate and GABA after High Frequency Subthalamic Stimulation in Parkinsonian Rat. *J Korean Neurosurg* 2017, 60(2):138-45
55. Choi JW, Kim JH, Hong SH, **Hong JT**, Heo R, Lee JI. 수술 중 신경 생리 추적 감시의 국내 현황과 개선방안에 대한 제안. *대한임상보험의학회지* 2017,12(1):62-68
56. Lee MH, Kim SU, Lee DH, Kim YI, Cho CB, Yang SH, Kim IS, **Hong JT**, Sung JH, Lee SW. Evaluation and treatment of the acute cerebral infarction with convexal subarachnoid hemorrhage. *J Cerebrovasc Endovasc Neurosurg* 2016, 18(3):271-5
57. Lee MH, Kim IS, **Hong JT**, Sung JH, Lee SW, Kim DH. Temperature distributions of the lumbar intervertebral disc during laser annuloplasty: A cadaveric study. *J Korean Neurosurg* 2016, 59(6):559-63
58. Kim JT, Lee HJ, Kim JH, **Hong JT**. Quantitative analysis of unusual entrance of the vertebral artery into the cervical foramen (V2 segment) and its clinical implications. *Eur Spine J.* 2016, 25(12):4188-94
59. Park WB, **Hong JT**, Lee SW., Sung JH, Yang SH, Kim IS. Clinical and radiological comparison between ipsilateral and contralateral side canal decompression using an unilateral laminotomy approach. *Korean J Spine*, 2016, 13(2):41-6
60. **Hong JT**, Kim IS, Kim JY, Kwon JY, Lee HJ, Kim MS et al. Risk factor analysis and decision making of surgical strategy for V3 segment anomaly: significance of preoperative CT angiography for posterior C1 instrumentation. *The Spine J.* 2016 16(9):1055-61
61. Lee DH, **Hong JT**, Sung JH, Jain A, Huh J, Kim SU et al. Morphological Analysis of occipital sinuses for occipital screw fixation using digital subtraction angiography. *World Neurosurg.* 2016, 91, 279-84
62. Lee HJ, Kim IS, Sung JH, Lee SW, **Hong JT**. Significance of multimodal intraoperative monitoring for the posterior cervical spine surgery. *Clin Neurol Neurosurg* 2016 Feb 9;143:9-14
63. Lee HJ, Choi DY, Shin MH, Kim JT, Kim IS, **Hong JT**. Anatomical feasibility for safe occipital condyle screw fixation. *Eur Spine J.* 2016 25 (6);1674-82

64. Lee HJ, Choi DY, Shin MH, Kim JT, **Hong JT**. Sequential alignment change of the cervical spine after anterior cervical discectomy and fusion in the lower cervical spine. *Eur Spine J* 2016, Jul;25(7):2223-32.
65. Kwon JY, Kim IS, Kim JY, Sung JH, Lee SW, **Hong JT**. Intramuscular myxoma of the lumbar paravertebral muscle. *Spine J*. 2016, 16(7), E451-2
66. Lee HJ, Kim IS, Sung JH, Lee SW, **Hong JT**. Intraoperative dynamic pressure measurements in carpal tunnel syndrome: Correlations with clinical signs. *Clin Neurol Neurosurg*. 2016 Jan;140:33-7
67. Lee HJ, **Hong JT**. Posterior Surgical Techniques for Atlantoaxial Stabilization. *J Advanced Spine Surg* 2015 5 (2):55-64
68. Cho DG, Chang YJ, Cho KD, **Hong JT**. Collaborative treatment of huge intrathoracic meningoceles associated with neurofibromatosis type 1: a case report. *J Cardiothorac Surg*. 2015 Nov 10;10(1):161.
69. Park WB, Sung JH, Huh J, Cho CB, Yang SH, Kim IS, **Hong JT**, Lee SW. Double Stent Assist Coiling of Ruptured Large Saccular Aneurysm in Proximal Basilar Artery Fenestration. *J Cerebrovasc Endovasc Neurosurg*. 2015 Sep;17(3):227-33
70. Jang SH, Cho JY, Lee WC, Lee HY, Lee SH, **Hong JT**. Novel method for setting up 3D navigation system with skin-fixed dynamic reference frame in anterior cervical surgery. *Comput. Aided Surg*. 2015 20(1):24-8
71. Lee HJ, Kim JT, Shin MH, Choi DY, Park YS, **Hong JT**. The ossification pattern in paediatric occipito-cervical spine: is it possible to estimate real age? *Clin Radiol*. 2015 Aug 70 (8):835-43
72. Lee HJ, Kim JT, Shin MH, Choi DY, **Hong JT**. Quantification of pediatric cervical growth at the craniovertebral junction. *J Korean Neurosurg Soc*. 2015 Apr 57(4):276-82
73. Lee HJ, Lee JJ, **Hong JT**, Kim JT. Quantification of pediatric cervical growth; anatomical changes in the subaxial spine. *J Korean Neurosurg Soc*. 2015 Mar 57(3):185-91
74. Kim JY, Kim I, **Hong JT**, Sung JH, Lee SW. Inferior thyroid arterial injury after percutaneous cervical nucleoplasty. *Spine J*. 2015 15(6):1495-6
75. Kim MS, Kim IS, **Hong JT**, Kim JY, Sung JH, Lee SW. Epidural chronic inflammatory mass of the lumbar spine in a human immunodeficiency virus positive patient with a history of repeated epidural injections. *Spine J*. 2015 Feb 1;15(2):368-9.
76. Kim IS, Han HY, **Hong JT**, Kim JS, Lim SH. Sural Neuroma with Lumbosacral Radiculopathy-like Symptoms Diagnosed by Electrodiagnosis and Ultrasound. *Am J Phys Med Rehabil* 2015 Mar
77. Kim MS, Kim JY, Kim IS, Cho KS, Kim SD, Lee HJ, Kim JT, **Hong JT**. The effect of C1 bursting fracture on comparative anatomical relationship between the internal carotid artery and the atlas. *Eur Spine J*. 2016 25 (1);103-9

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79. Lee HJ, **Hong JT**, Kim IS, Kim MS, Sung JH, Lee SW. Anatomic feasibility of posterior cervical pedicle screw placement in children: computerized tomographic analysis of children under 10 years old. *J Korean Neurosurg Soc.* 2014 Dec;56(6):475-81
80. Lee JJ, Kim YI, **Hong JT**, Sung JH, Lee SW, Yang SH. Intraoperative monitoring of motor-evoked potentials for supratentorial tumor surgery. *J Korean Neurosurg Soc.* 2014 Aug;56(2):98-102
81. Baek TH, Kim I, **Hong JT**, Kim DH, Shin D, Lee SW. Feasibility of bilateral crossing c7 intralaminar screws: a cadaveric study. *J Korean Neurosurg Soc.* 2014 Jul;56(1):5-10.
82. Lee HJ, Kim I, **Hong JT**, Kim MS. Early surgical treatment of pronator teres syndrome. *J Korean Neurosurg Soc.* 2014 May;55(5):296-9
83. Kim I, **Hong JT**, Kim M, Cho CB, Sung JH, Lee SW. Occipito-cervical collision after C1-2 fusion. *Spine J.* 2014 Mar 21: S1529-9430(14)00297-6
84. **Hong JT**, Qasim M, Espinoza Orías AA, Natarajan RN, An HS. A Biomechanical Comparison of Three Different Posterior Fixation Constructs Used for C6-C7 Cervical Spine Immobilization: A Finite Element Study. *Neurol Med Chir (Tokyo).* 2014 Jan 10. [Epub ahead of print]
85. Kim YD, Sung JH, **Hong JT**, Lee SW. Split cord malformation combined with tethered cord syndrome in an adult. *J Korean Neurosurg Soc.* 2013 Oct;54(4):363-5
86. Son BC, Kim DR, Kim IS, **Hong JT**. Phrenic nerve stimulation for diaphragm pacing in a quadriplegic patient. *J Korean Neurosurg Soc.* 2013 Oct;54(4):359-62
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