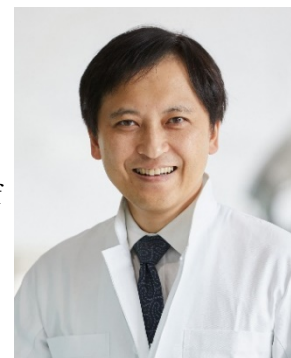


Ken Ishii, M.D, Ph.D.

- Director, New Spine Clinic Tokyo
- Designated Professor, Department of Orthopaedic Surgery, Keio University School of Medicine
- President, Society for Minimally Invasive Spinal Treatment (2015-2023)



PROFESSIONAL APPOINTMENTS

- 1993 Resident, Department of Orthopaedic Surgery, Keio University School of Medicine
- 2009 Assistant Professor, Department of Orthopaedic Surgery, Keio University School of Medicine
- 2017 Designated Professor, Keio University School of Medicine
- 2017 Professor and Chairman, Department of Orthopaedic Surgery, School of Medicine, International University of Health and Welfare (IUHW)
- 2023 Designated Professor, Department of Orthopaedic Surgery, Keio University School of Medicine
Director, New Spine Clinic Tokyo (NSC Tokyo)

EDUCATION

- 1993 M.D. Keio University School of Medicine
- 2002 Ph.D. Keio University School of Medicine
- 2000-2002 Postdoctoral Fellow, Department of Neuroscience, Georgetown University Medical Center
- 2002-2003 Postdoctoral Fellow, Department of Radiology, Center for Molecular Imaging Research, Massachusetts General Hospital/ Harvard Medical School

HONORS/ AWARDS

- 2009 Grant of Japan Orthopaedics and Traumatology Foundation
- 2009 Asia Traveling fellowship (Japanese Society for Spine Surgery and Related Research) 2009
- 2010 1st Cervical Spine Research Society Asia Pacific Section (CSRS-AP) Poster Award 2010
- 2010 The 25th Annual Research Meeting of the Japanese Orthopaedic Association Poster Award 2010
- 2010 The 7th Research Meeting of the International Orthopaedic Association NIRA
- 2011 1st Keio Intellectual Property Award 2011
- 2012 The American Academy of Orthopaedic Surgeons (AAOS) Guest Nation Poster Award 2012
- 2012 The Japanese Orthopaedic Association Encouragement Award 2012
- 2013 The 59th Annual Research Meeting of Orthopaedic Research Society
- 2015 Cervical Spine Research Society (CSRS) travelling fellowship 2015
- 2015 The 30th Annual Research Meeting of the Japanese Orthopaedic Association Poster Award 2015
- 2017 Scoliosis Research Society Annual Meeting Russell A. Hibbs Basic Research Award, etc

SPECIALITY

Cervical disorders, Minimally invasive surgery, lateral interbody access surgery, Endoscopic surgery, Ossification of posterior longitudinal ligament and yellow ligament, Degenerative diseases, Spine tumors, Spinal cord and Cauda equina tumors, Spinal deformity, CT- based navigation, Dropped head syndrome, Anti-aging and Regenerative medicine for musculoskeletal system, etc

EDITORIAL BOARD *PLOS ONE*: ACADEMIC EDITOR, *SCIENTIFIC REPORTS*: ACADEMIC EDITOR, *ASIAN SPINE J*: EDITORIAL BOARD, *JOURNAL OF ORTHOPAEDIC SCIENCE*: EDITORIAL BOARD, *CONTEMPORARY SPINE SURGERY*: EDITORIAL BOARD, *SPINE SURGERY AND RELATED RESEARCH*

Lectures

1. Ishii K. How to MIS-TLIF. Spine Microsurgery Approach Hand-on Cadaveric Workshop (MIS-PLIF) , Bangkok, Thailand, 2008.
2. Ishii K. World Congress of Minimally Invasive Spine Surgery & Techniques (WCMISST) Industrial Workshop (MIS-TLIF) Faculty, Hawaii, USA, 2008.
3. Ishii K. MIS-TLIF: Surgical Procedures and Outcomes. Hands-on Cadaver Lab for Japanese New Spinal Techniques (MIS-TLIF) , Memphis, USA, 2009.
4. Ishii K. Surgical Procedures of MIS-PLIF. MIS Cadaver Workshop, New York, USA, 2009.
5. Ishii K. MIS-TLIF: Surgical Procedures and Outcomes. Worldwide Headquarters Cadaver Workshop, Boston, USA, 2009.
6. Ishii K. Trauma in the Occipital Cervical Zone Spine Across the Sea 2009, Hawaii, USA, 2009.
7. Ishii K. Spine Cadaver Workshop Program in BKK (MIS-TLIF) Faculty, Bangkok, Thailand, 2010.
8. Ishii K. Scoliosis Research Society (SRS) Pre-meeting Course; Management of cervical lesions in pediatric patients: Management of atlantoaxial rotatory fixation, Kyoto, Japan, 2010.
9. Ishii K. Spine Cadaver Workshop Program in MIS-TLIF Faculty, Seoul, Korea, 2010.
10. Ishii K. Spine Cadaver Workshop Program in University of Malaysia (Faculty), Kuala Lumpur, Malaysia, 2011.
11. Ishii K. MIS-TLIF Cadaver Workshop Regional Faculty, Singapore, 2011.
12. Ishii K. Spine Cadaver Workshop Program in BKK (MIS-TLIF) Faculty, Bangkok, Thailand, 2011.
13. Ishii K. Cadaver Workshop Training Faculty, Bangkok, Thailand, 2011
14. Ishii K. Advanced Technical Workshop & Hands-on Cadaver Training Faculty, Memphis, USA, 2012.
15. Ishii K. Minimally invasive spine surgery (MISS) -past, present & future-. The 13th Annual Meeting of the PASMIS, Miyazaki, Japan, 2013.
16. Ishii K. Spine Cadaver Workshop Program in BKK (MIS-TLIF) Faculty, Bangkok, Thailand, 2013.
17. Ishii K. Minimally Invasive Cadaver Workshop Program in BKK Faculty, Taipei, Taiwan, 2013.
18. Ishii K. Spine Cadaver Workshop Program for Asian surgeons in BKK (MIS-TLIF) Faculty, Bangkok, Thailand, 2013.
19. Ishii K. Minimally invasive spine surgery (MISS) -past, present & future-. Asian-pacific Cadaver training, Bangkok, Thailand, 2013.
20. Ishii K. Diagnosis and management of chronic atlantoaxial rotary fixation. 2nd International Spine Symposium of 4 Universities/5th JST Orthopedics forum-spine session, April.25-26; Beijing, China, 2014.
21. Ishii K. Surgical outcomes of corrective fusion surgeries for dropped head syndrome. 3rd International Spine Symposium of 4 Universities, March.21, Tokyo (Keio Univ Mita Campus), Japan, 2015.
22. Ishii K. Surgical outcomes of corrective fusion surgeries for dropped head syndrome. Thomas Jefferson University/Rothman Institute, April.23, Philadelphia, USA, 2015. CSRS traveling fellowship
23. Ishii K. Surgical outcomes of corrective fusion surgeries for dropped head syndrome. CMC & OrthoCarolina, April.30, Charlotte, USA, 2015. CSRS traveling fellowship
24. Ishii K. Management of Atlantoaxial Rotatory Fixation. CMC & OrthoCarolina, April.30, Charlotte, USA, 2015. CSRS traveling fellowship
25. Ishii K. The Incidence of C5 Palsy in Open Door Laminoplasty. Hospital for Special Surgery, May.3, New York, USA, 2015. CSRS traveling fellowship
26. Ishii K. Surgical outcomes of corrective fusion surgeries for dropped head syndrome, Toronto Western Hospital, May.12, Toronto, Canada, 2015. CSRS traveling fellowship
27. Ishii K. Management of Atlantoaxial Rotatory Fixation –Case Presentation–. Toronto Western Hospital, May.13, Toronto, Canada, 2015. CSRS traveling fellowship
28. Ishii K. MIS TLIF vs Open TLIF: Why MIS TLIF matters? Asia Pacific Posterior Spine MIS Instructional Course, Jan.26, Bangkok, Thailand, 2016
29. Ishii K. What's New: Sacral-Alar-Iliac (SAI) technique for sacropelvic fixation Introduction. Asia Pacific

- Posterior Spine MIS Instructional Course, Jan.27, Bangkok, Thailand, 2016
30. Ishii K. MIS-TLIF reduces an incidence of adjacent disc disease in the patients with degenerative spondylolisthesis-comparative study with convention TLIF. 4th International Spine Symposium of 4 Universities, June 4, San Francisco, USA, 2016.
 31. Ishii K. Overview of MIS Adult Deformity: Challenges vs Solution. 1st ASPAC MIS Expert Panel, Tokyo, 2016.
 32. Ishii K. Minimally Invasive Spine Surgery: Current and Future Prospects. 7th MIS symposium, Shanghai, China, 2016.
 33. Ishii K. Avoidance for radiation exposure in MIST. 2nd SOLAS Japan Regional Meeting (Nov. 10, 2018 Nagoya)
 34. Ishii K. Minimally Invasive Spinal Stabilization (MIST). 2019 China-Japan-ROK Minimal Invasive Spine Surgery Summit, Beijing, China 2019
 35. Ishii K. Dropped head syndrome-its epidemiology, diagnosis, and treatment. 1st Annual Meeting of Cervical Spine Research Committee affiliated with Korean Society of Spine Surgery (CSRC). Mar 26, WEB, 2021
 36. Ishii K. Morning Seminar 1 [Minimally invasive spinal treatment: current and future prospects]. 13th Combined Meeting of Asia Pacific Spine Society & Asia Paediatric Prthopaedic Society (APSS-APPOS) June 11, WEB,2021
 37. Ishii K. Video on Key Surgical Techniques 1 [Mobi-C total disc replacement -surgical techniques and clinical outcomes-]. 13th Combined Meeting of Asia Pacific Spine Society & Asia Paediatric Prthopaedic Society (APSS-APPOS) June 11, WEB,2021
 38. Ishii K. Dropped head syndrome -its epidemiology, diagnosis, and treatment-. Korean Society of Spine Surgeons (KSSSS) June 11, WEB,2021
 39. Ishii K. Faculty Lecture1-3 [Medical reform of navigation technology in minimally invasive spinal treatment (MIST)]. The 21st Annual Meeting of the Pacific and Asian Society of Minimally Invasive Spine Surgery (PASMIS). July 2, WEB, 2021
 40. Funao H, Yokosuka K, Ukai J, Nakanishi K, Paku M, Tomita T, Hoshino M, Saito T, Ishii K, Sato K. Faculty Lecture. Minimally invasive trans-sacral canal plasty for failed back surgery syndrome. The 21st Annual Meeting of the Pacific and Asian Society of Minimally Invasive Spine Surgery (PASMIS). July 2, WEB, 2021
 41. Funao H, Yamanouchi K, Fujita N, Kato S, Otomo N, Isogai N, Sasao Y, Ebata S, Ishii K. Antiseptic Materials. The 1st Annual Meeting of Society for Minimally Invasive Spine Surgery Asia Pacific (SMISS-AP) (Sep. 29-Oct. 1, 2021 Korea) invited speaker
 42. Ishii K. Advancements in Minimally Invasive Spine Surgery: Efficacy and impact of minimally invasive spine stabilization. ASIA PACIFIC ORTHOPAEDICS, Nov 11, WEB, 2021
 43. Ishii K. Efficacy and impact of minimally invasive spinal treatment (MIST) in an aged society.7th World Congress of Minimally Invasive Spine Surgery & Techniques (WCMIST), Nov 24th, Tokyo, 2021
 44. Funao H, Isogai N, Igawa T, Ishii K. Clinical Updates on Dropped Head Syndrome. The 24th Seminar of the Study Group for Nerve and Spine 「Spinal Disorders: Updates in Diagnosis and Management」 (Mar. 19-20, 2022 web)
 45. Ishii K. Dropped head syndrome: Surgical Management for Intractable Cases of Cervical Disorder. 50th Annual Meeting Pre-Conference Sessions (San Diego), Nov. 14, 2022, Web

Oral Presentations

1. Zacharakis G, Yulliano A, Graves E, Ishii K, Saeki Y, Weissleder R, Ntziachristos V. In vivo imaging of GFP expressing tumor cells in mice using fluorescence molecular tomography. The Society of Molecular Imaging, San Diego, USA, 2003.
2. Kim D.E, Schellingerhout D, Ishii K, Weissleder R. Bioluminescent imaging of stem cell recruitment to ischemic infarct in living animals. The 28th Annual Meeting of International Stroke Conference, Phoenix, USA, 2003.
3. Ishii K, Maruiwa H, Nakamura M, Matsumoto M, Toyama Y, Chiba K. Pathognomonic imaging signs for predicting prognosis in patients with chronic atlantoaxial rotatory fixation. The 35th Cervical Spine Research Society, San Francisco, USA, 2007.
4. Tsuji T, Ishii K, Takaishi T, Nakamura M, Matsumoto M, Yoshiaki T, Chiba K. Selective cervical laminoplasty is useful for reducing postoperative segmental motor paralysis and axial symptoms. Spine week, Geneva, Switzerland, 2008.

5. Ishii K, Watanabe K, Tsuji T, Nakamura M, Toyama Y, Chiba K, Matsumoto M. Remodeling of C2 facet deformity prevents recurrent subluxation in patients with chronic atlantoaxial rotatory fixation -A new strategy for treatment of chronic AARF-. The 37th Cervical Spine Research Society, Salt Lake City, USA, 2009.
6. Funao H, Nakamura M, Tsuji T, Watanabe K, Ishii K, Matsumoto M, Kamata M, Toyama Y, Chiba K. Surgical treatment of spinal extradural arachnoid cysts in thoracolumbar spine. The 37th Annual Meeting of the International Society for the Study of the Lumbar Spine, New Zealand, 2010.
7. Ishii K. Management of atlantoaxial rotatory fixation. SRS pre-meeting combined course, Kyoto, Japan, 2010.
8. Ishii K, Hosogane N, Watanabe K, Tsuji T, Nakamura M, Toyama Y, Chiba K, Matsumoto M. Risk factors for development of subaxial subluxations following atlantoaxial arthrodesis for atlantoaxial subluxations in rheumatoid arthritis. The 2nd Annual Meeting of the Cervical Spine Research Society AP Section, Busan, Korea, 2010.
9. Ishii K, Chiba K, Momoshima S, Hikata T, Iwanami A, Hosogane N, Watanabe K, Nakamura M, Toyama Y, Matsumoto M. A novel strategy for treatment of chronic atlantoaxial rotatory fixation (AARF) -remodeling therapy- International Symposium Asia Now. The 61st Eastern Japan Association of Orthopaedics and Traumatology, Takasaki, Japan, 2012.
10. Ishii K, Nakamura M, Toyama Y, Matsumoto M. Management of chronic atlantoaxial rotatory fixation (AARF): remodeling therapy. The 87th Annual Meeting of the Japanese Orthopaedic Association, Kobe, Japan, 2014.
11. Nakamura M, Iwanami A, Ishii K, Toyama Y. Our surgical strategy for spinal cord tumors. The 87th Annual Meeting of the Japanese Orthopaedic Association, Kobe, Japan, 2014.
12. Ishii K. Overview of cervical deformity: Intrinsic or compensatory? The International Society for the Advancement of Spine Surgery 2016 Spine Week, Singapore, 2016.
13. Ishii K. Mild idiopathic mid lumbar scoliosis-Hybrid-. The International Society for the Advancement of Spine Surgery 2016 Spine Week, Singapore, 2016.
14. Ishii K. Thoracic PJK-Open-. The International Society for the Advancement of Spine Surgery 2016 Spine Week, Singapore, 2016.
15. Ishii K. Overview of MIS Adult Deformity: Challenges vs Solution. 1st ASPAC MIS Expert Panel, Tokyo, 2016
16. Mizutani J, Verma K, Endo K, Ishii K, Abumi K, Yagi M, Hosogane N, Strom R, Tay B, Deviren V, Ames C. Compensation mechanism in thoraco-lumbar segments in patients with symptomatic primary cervical kyphosis. 23rd International Meeting on Advanced Spine Techniques, Washington DC, USA 2016.
17. Glassman S, Carreon L, Anderson M, Asher A, Eiskjaer S, Gehrchen M, Imagama S, Ishii K, Kaito T, Matsuyama Y, Moridaira H, Mummaneni P, Shaffrey C, Matsumoto M. Predictors of hospital readmission and surgical site infection in the US, Denmark and Japan: Is risk stratification a universal language? 23rd International Meeting on Advanced Spine Techniques, Washington DC, USA 2016.
18. Ishii K. All over about J-MIS. The 8th International Summit Forum of Minimally Invasive Spine Surgery Shanghai, Shanghai, China 2017.
19. Liu X, Wang C, Qian J, Liu J, Ishii K, Sato K, Tanaka M, Kim J-S. Special features: Dialogue-Current status and vision of minimally invasive spine stabilization (MIS). 8th International Summit Forum of Minimally Invasive Spine Surgery Shanghai, Shanghai, China 2017.
20. Ishii K. Recent learnings in lateral lumbar surgery in Japan. 1st Asia Pacific International Symposium, Bangkok, Thailand 2018
21. Ishii K. Treatment strategy of chronic atlantoaxial rotatory fixation. 9th Annual Meeting of Cervical Spine Research Society Asia Pacific Section, New Delhi, India 2018.
22. Ishii K. Control of bleeding in cervical spine surgery. Global Spine Congress 2018, Singapore 2018
23. Ishii K. Current status and future prospects of minimally invasive spine surgery. Global Spine Congress 2018, Singapore 2018
24. Ishii K. Symposium on Minimally Invasive Spine Surgery [Lateral Access Minimally Invasive Spine Surgery: Current and Future Prospects]. Spine Across the Sea. July 7, WEB, 2021
25. Ishii K, Matsumoto M, Ogawa Y, Takaishi H, Nakamura M, Chiba K, Toyama Y. Microendoscopic surgery for cystic lesions in the lumbar spinal canal: Report of two cases. The 4th Pacific and Asian Society of Minimally Invasive Spine Surgery, Seoul, Korea, 2004.
26. Ishii K, Matsumoto M, Nakamura M, Chiba K, Toyama Y. Early recurrences after microendoscopic lumbar discectomy -Comparative study with conventional open discectomy. The 5th Pacific and Asian Society of Minimally Invasive Spine Surgery, Tokyo, Japan, 2005.
27. Ogawa Y, Chiba K, Matsumoto M, Nakamura M, Takaishi T, Ishii K, Toyama Y. Post-operative axial pain after expansive open-door laminoplasty for cervical spondylotic myelopathy -Randomized control trial comparing

- the magnitude of post-operative axial pain between laminoplasties with and without C7 spinous process sparing. The 33rd Cervical Spine Research Society, San Diego, USA, 2005.
28. Takagi T, Ishii K, Shibata S, Yasuda A, Nagoshi N, Saito H, Okano H.J, Toyama Y, Okano H. Establishment of a novel Schwann cell culture system derived from injured adult peripheral nerve. American Society for Peripheral Nerve, Hawaii, 2009.
 29. Takagi T, Ishii K, Shibata S, Yasuda A, Nagoshi N, Saito H, Okano H.J, Toyama Y, Okano H, Nakamura M. Analysis of spheres derived from injured adult peripheral nerves. The 2010 Annual Meeting of American Society of Peripheral Nerve, Florida, USA, 2010.
 30. Matsumoto M, Watanabe K, Tsuji T, Ishii K, Nakamura M, Toyama Y, Chiba K. Surgical results of aggressive resection of malignant tumors in the axis using mandible splitting approach. The 1st Annual Meeting of the Cervical Spine Research Society AP Section, Kobe, Japan, 2010.
 31. Tsuji T, Watanabe K, Ishii K, Takaishi T, Nakamura M, Matsumoto M, Toyama Y, Chiba K. Risk factors for radiological adjacent segment degeneration after lumbar fusion for spondylolisthesis. The 37th Annual Meeting of the International Society for the Study of the Lumbar Spine, New Zealand, 2010.
 32. Cui G, Watanabe K, Tsuji T, Ishii K, Nakamura M, Toyama Y, Chiba K, Matsumoto M. Spinal deformities loss of apical vertebral derotation 2 years after surgery in adolescent idiopathic scoliosis studied using computed tomography. The 39th Annual Meeting of the Japanese Society for Spine Surgery and Related Research, Kochi, Japan, 2010.
 33. Cui G, Watanabe K, Hosogane N, Tsuji T, Ishii K, Nakamura M, Toyama Y, Chiba K, Matsumoto M, Lenke L.G. Surgical results of hemivertebra resection for cervical congenital scoliosis. The 84th Annual Meeting of the Japanese Orthopaedic Association, Yokohama, Japan, 2011.
 34. Funao H, Ishii K, Kaneko Y, Momoshima S, Otani M, Hosogane N, Watanabe K, Tsuji T, Nakamura M, Toyama Y, Chiba K, Matsumoto M. Surgeon radiation exposure in minimally invasive transforaminal lumbar interbody fusion. The 38th Annual Meeting of the International Society for the Study of the Lumbar Spine, Goteborg, Sweden, 2011.
 35. Yoshioka K, Ishii K, Nagai S, Kakinuma H, Kuramoto T, Sasaki A, Aizawa M, Okada Y, Koyasu S, Toyama Y, Matsumoto M. A comparison of biofilm formation in various metal materials. The 40th Annual Meeting of the International Society for the Study of the Lumbar Spine, Scottsdale, USA, 2013.
 36. Ishihama H, Ishii K, Nagai S, Kakinuma H, Sasaki A, Yoshioka K, Kuramoto T, Shiono Y, Aizawa M, Okada Y, Koyasu S, Toyama Y, Matsumoto M. Development of a novel antimicrobial-coated biomedical polymer. The 40th Annual Meeting of the International Society for the Study of the Lumbar Spine, Scottsdale, USA, 2013.
 37. Ishii K, Hosogane N, Ishihara S, Kaneko Y, Hikata T, Iwanami A, Watanabe K, Nakamura M, Toyama Y, Matsumoto M. MIS-TLIF reduces an incidence of adjacent disc disease in the patient with degenerative spondylolisthesis -comparative study with conventional TLIF. The 40th Annual Meeting of the International Society for the Study of the Lumbar Spine, Scottsdale, USA, 2013.
 38. Ishii K, Fujita N, Kaneko Y, Ishihara S, Hikata T, Hosogane N, Toyama Y, Matsumoto M. Development of a novel percutaneous guide wire (S-Wire™) for percutaneous pedicle screw insertion -its efficacy and safety-. The 13th Annual Meeting of Pacific and Asian Society of Minimally Invasive Spine Surgery, Miyazaki, Japan, 2013.
 39. Ishihara S, Ishii K, Fujita N, Kaneko Y, Hikata T, Hosogane N, Toyama Y, Matsumoto M. Efficacy of minimally invasive spine stabilization for spinal infection. The 13th Annual Meeting of Pacific and Asian Society of Minimally Invasive Spine Surgery, Miyazaki, Japan, 2013.
 40. Kaneko Y, Ishii K, Fujita N, Ishihara S, Funao H, Hikata T, Hosogane N, Koyanagi T, Toyama Y, Matsumoto M. Effectiveness of MIS-TLIF as revision surgery -A comparative study with conventional TLIF-. The 13th Annual Meeting of Pacific and Asian Society of Minimally Invasive Spine Surgery, Miyazaki, Japan, 2013.
 41. Fujita N, Ishii K, Kaneko Y, Ishihara S, Funao H, Hikata T, Hosogane N, Toyama Y, Matsumoto M. Short- to middle-term outcomes of MIS-TLIF for isthmic spondylolisthesis -comparative study with conventional PLIF-. The 13th Annual Meeting of Pacific and Asian Society of Minimally Invasive Spine Surgery, Miyazaki, Japan, 2013.
 42. Ishii K, Fujita N, Kaneko Y, Ishihara S, Hikata T, Hosogane N, Toyama Y, Matsumoto M. MIS-TLIF reduces an incidence of adjacent segment disease in the patient with degenerative spondylolisthesis -comparative study with conventional TLIF-. The 13th Annual Meeting of Pacific and Asian Society of Minimally Invasive Spine Surgery, Miyazaki, Japan, 2013.
 43. Hosogane N, Ishii K, Hikata T. Assessment of rod fracture after posterior spinal fusion for adult spinal deformity. The 2nd Annual Meeting of Japan Association of Spine surgeons with Ambition, Tokyo, Japan, 2013.
 44. Yoshioka K, Ishii K, Nagai S, Kakinuma Y, Sasaki A, Aizawa M, Okada Y, Koyasu S, Toyama Y, Matsumoto

- M. Ultrasonic waves remove a bacterial biofilm on implant surface and prevent the implant-associated infection. The 41st Annual Meeting of the International Society for the Study of the Lumbar Spine, Seoul, Korea, 2014.
45. Aizawa M, Chibu Y, Nagata K, Konishi T, Ishii K, Funao H, Toyama Y, Matsumoto M, Honda M. In vivo evaluation of chelate-setting cement fabricated from hydroxyapatite including bone minerals using a rabbit's tibia model. Bioceramics, Barcelona, Spain, 2014.
 46. Hikata T, Watanabe K, Fujita N, Iwanami A, Hosogane N, Ishii K, Nakamura M, Toyama Y, Matsumoto M. Impact of sagittal spinopelvic alignment for clinical outcome after decompression surgery for lumbar spinal canal stenosis. 29th NASS Annual Meeting, San Francisco, USA, 2014.
 47. Ishii K, Hikata T, Shiono Y, Kaneko Y, Hosogane N, Fujita N, Watanabe K, Nakamura M, Toyama Y, Matsumoto M. MIS-TLIF reduces an incidence of adjacent segment disease in the patient with degenerative spondylolisthesis: comparative study with conventional TLIF. 29th NASS Annual Meeting San Francisco, USA, 2014.
 48. Okada E, Fujita N, Hikata T, Iwanami A, Hosogane N, Ishii K, Nakamura M, Matsumoto M, Watanabe K, Keio Spine Research Group. Short Fusion Strategy for Posterior Correction Surgery Using Pedicle Screw Constructs in Lenke Type 5c Adolescent Idiopathic Scoliosis. 22nd International Meeting on Advanced Spine Techniques. Kuala Lumpur, Malaysia 2015.
 49. Ishii K, Sasaki K, Watanabe M. To treat the metastatic spinal tumor following the classification in use, is it the best standard? Asia Pacific Spine Surgery 2016 Spine Week. Singapore 2016.
 50. Sasaki K, Ishii K, Watanabe M. New minimum invasive technique for lateral lumbar interbody fusion. Asia Pacific Spine Surgery 2016 Spine Week. Singapore 2016.
 51. Suzuki S, Fujita N, Watanabe K, Tsuji T, Ishii K, Horiuchi K, Miyamoto T, Nakamura M, Matsumoto M. JAK/STAT inhibitor has potential to inhibit intervertebral disc degeneration. The International Society for the Study of the Lumbar Spine 2016 Spine Week. Singapore 2016.
 52. Funao H, Momoshima S, Isogai N, Shiono Y, Fujita N, Hikata T, Iwanami A, Watanabe K, Koyanagi T, Nakamura M, Matsumoto M, Ishii K. A prospective study of intraoperative radiation exposure to surgeons in minimally invasive transforaminal lumbar interbody fusion – Does the patient's body mass index impact on surgeon's radiation dose? Society for Minimally Invasive Spine Surgery 2016 Spine Week. Singapore 2016.
 53. Ishii K, Hikata T, Shiono Y, Funao H, Kaneko Y, Ishihara S, Isogai N, Fujita N, Nakamura M, Matsumoto M, Iwanami A, Watanabe K. MIS-TLIF reduces an incidence of adjacent segment disease in the patient with degenerative spondylolisthesis – Comparative study with conventional TLIF. Society for Minimally Invasive Spine Surgery 2016 Spine Week. Singapore 2016.
 54. Ishii K, Shiono Y, Funao H, Kaneko Y, Isogai N, Nagura T, Seki H, Fujita N, Hikata T, Iwanami A, Watanabe K, Nakamura M, Matsumoto M. A new groove-entry technique for inserting thoracic percutaneous pedicle screws. Society for Minimally Invasive Spine Surgery 2016 Spine Week. Singapore 2016.
 55. Kaneko Y, Farhan S.A, Nozaki T, Lu Y, Yoshioka H, Ishii K, Bederman S.S. Two-level prophylactic balloon kyphoplasty decreases the risk of proximal junctional kyphosis in adult spinal deformity surgery. Asia Pacific Spine Society 2016 Spine Week. Singapore 2016.
 56. Nagata K, Chikuda H, Inokuchi I, Ishii K, Kobayashi A, Kanai H, Miyoshi K. Radiographical risk factors of vertebral artery injury in cervical spine dislocation –Multi-institutional study using CT angiography. AOSpine 2016 Spine Week. Singapore 2016.
 57. Tsurumi S, Honda M, Takayama T, Nakajima T, Ishii K, Matsumoto M, Aizawa M. Fabrications of sponge-like porous hydroxyapatite/collagen composites immobilized with silver ions and their anti-bacterial activities. Australasian BioCeramics Symposium 2016. Australia 2016.
 58. Mizutani J, Verma K, Endo K, Ishii K, Abumi K, Yagi M, Hosogane N, Strom R, Tay B, Deviren V, Ames C. Compensation mechanism in thoraco-lumbar segments in patients with symptomatic primary cervical kyphosis. 23rd International Meeting on Advanced Spine Techniques. USA 2016.
 59. Glassman S, Carreon L, Anderson M, Asher A, Eiskjaer S, Gehrchen M, Imagama S, Ishii K, Kaito T, Matsuyama Y, Moridaira H, Mummaneni P, Shaffrey C, Matsumoto M. Predictors of hospital readmission and surgical site infection in the US, Denmark and Japan: Is risk stratification a universal language? 23rd International Meeting on Advanced Spine Techniques. USA 2016.
 60. Mizutani J, Abumi K, Endo K, Ishii K, Yagi M, Christopher A: Cervical reconstruction surgery achieves spinal balance globally. 8th Annual Meeting of Cervical Spine Research Society Asia Pacific Section, Kobe, Japan, 2017.
 61. Fujita N, Suzuki S, Fujii T, Watanabe K, Ishii K, Tsuji T, Miyamoto T, Horiuchi K, Matsumoto M, Nakamura M. Excessive reactive oxygen species are therapeutic targets for intervertebral disc degeneration. 30th Annual Meeting of the Japanese Society of Cartilage Metabolism, Kyoto, Japan, 2017.

62. Fujii T, Fujita N, Suzuki S, Watanabe K, Ishii K, Tsuji T, Miyamoto T, Horiuchi K, Matsumoto M, Nakamura M. Unfolded protein response leads to intervertebral disc degeneration via NF-kB signaling. 30th Annual Meeting of the Japanese Society of Cartilage Metabolism, Kyoto, Japan, 2017.
63. Funao H, Nagai S, Sasaki A, Hoshikawa T, Aizawa M, Okada Y, Koyasu S, Nakamura M, Aizawa M, Matsumoto M, Ishii K: A novel hydroxyapatite film coated with ionic silver via inositol hexaphosphate chelation prevents implant-associated infection. 46th The Japanese Society for Spine Surgery and Related Research, Japan (Sapporo), Apr. 2017.
64. Isogai N, Ishii K, Shiono Y, Kuramoto T, Yoshioka K, Ishihama H, Funao H, Matsumoto M, Nakamura M.: A novel hydroxyapatite film coated with ionic silver via inositol hexaphosphate chelation prevents implant-associated infection. 46th The Japanese Society for Spine Surgery and Related Research, Japan (Sapporo), Apr. 2017.
65. Takeda K, Hosogane N, Ogura Y, Yagi M, Fujita N, Nagoshi N, Tsuji O, Ishii K, Kaneko S, Kouno H, Ishikawa M, Takahashi Y, Ikegami T, Nojiri K, Okada E, Funao H, Okuyama K, Tsuji T, Nakamura M, Matsumoto M, Watanabe K, Ikegawa S: Association of degenerative lumbar scoliosis with the genetic factors in adolescent idiopathic scoliosis and disc degeneration, The 52nd Scoliosis Research Society, Philadelphia, USA, 2017.
66. Isogai N, Nagoshi N, Yamane J, Iwanami A, Kono H, Kobayashi Y, Fujita N, Yagi M, Watanabe K, Kitamura K, Shiono Y, Nakamura M, Matsumoto M, Ishii K, KSRG members: Surgical outcome of elderly patients over 80 years with cervical spondylotic myelopathy. Annual Meeting of Cervical Spine Research Society, Hollywood, Florida, USA, 2017
67. Fujii T, Daimon K, Yagi M, Hosogane N, Nagoshi N, Tsuji O, Ishii K, Nakamura M, Matsumoto M, Watanabe K. Distal adding-on improves residual lumbar curve in Lenke type 1B and 1C curves. 24th International Meeting on Advanced Spine Techniques (IMAST), Capetown, Africa, 2017
68. Sera Y, Yagi M, Nakashima D, Ishii K, Nagoshi N, Fujita N, Tsuji O, Watanabe K, Nakamura M, Matsumoto M, Nagura T. "Diffusion Tensor Tractography Analysis of the Back Muscles in Lumbar Degenerative Kyphosis Patients". New Orleans, USA, 2018
69. Funao H, Yamane J, Isogai N, Tsuji O, Fujita N, Yagi M, Watanabe K, Nakamura M, Matsumoto M, Ishii K, Nagoshi N. "Surgical results and clinical outcomes after cervical laminoplasty for ossification of the posterior longitudinal ligament stratified by ASA-PS classification". 9th Annual Meeting of Cervical Spine Research Society Asia Pacific Section New Delhi, India, 2018
70. Hosogane N, Ishii K, Kono H, Isogai N, Watanabe K, Imabayashi H, Chiba K. Surgical Treatment for Non-union after Osteoporotic Vertebral Fracture. Multicenter Study by Japan Association of Spine Surgeons with Ambition (JASA). 25th International Meeting on Advanced Spine Techniques (IMAST) Los Angeles, USA, 2018
71. Ishihara S, Fujita N, Tsuji O, Nagoshi N, Okada E, Yagi M, Tsuji T, Ishii K, Nakamura M, Matsumoto M, Watanabe K. "Epidural fat accumulation affects the surgical outcome in patients with lumbar spinal stenosis." 45th International Society for the Study of the Lumbar Spine (ISSLS), Banff, Canada, 2018
72. Takeda K, Kou I, Hosogane N, Yagi M, Kaneko S, Kono H, Ishikawa M, Takahashi Y, Ikegami T, Nojiri K, Okada E, Funao H, Okuyama K, Tsuji T, Fujita N, Nagoshi N, Tsuji O, Ogura Y, Ishii K, Nakamura M. "Association of susceptibility genes for adolescent idiopathic scoliosis and intervertebral disc degeneration with degenerative lumbar scoliosis", 45th International Society for the Study of the Lumbar Spine (ISSLS), Banff, Canada, 2018
73. Isogai N, Funao H, Ishii K. MIS VR technology –value of virtual visualization in MIS procedure-. 2nd ASPAC Spine MIS Expert Panel, Kawasaki, Kanagawa, 2018
74. Matsumoto D, Funao H, Nishimura M, Kusunoki M, Igawa T, Kusano S, Isogai N, Maeda Y, Sasao Y, Nishiyama M, Ishii K. Utilization of disabilities of the arm, shoulder, and hand scoring system after surgical treatment for cervical spondylotic myelopathy. 10th annual meeting of Cervical Spine Research Society Asia Pacific Section (CSRS-AP) (Mar. 15, 2019 Yokohama)
75. Nagoshi N, Kono H, Tsuji O, Aoyama R, Fujiyoshi K, Shiono Y, Watanabe K, Nakamura M, Matsumoto M, Ishii K, Yamane J. Impact of tobacco smoking on outcomes after posterior decompression surgery in patients with cervical spondylotic myelopathy. 10th annual meeting of Cervical Spine Research Society Asia Pacific Section (CSRS-AP) (Mar. 15, 2019 Yokohama)
76. Isogai N, Funao H, Maeda Y, Sasao Y, Nishiyama M, Ishii K. Comparison study of characteristic clinical features of C6 and C7 cervical radiculopathies. 10th annual meeting of Cervical Spine Research Society Asia Pacific Section (CSRS-AP) (Mar. 15, 2019 Yokohama)
77. Funao H, Igawa T, Kusano S, Isogai N, Maeda Y, Sasao Y, Nishiyama M, Ishii K. Analysis of anticipatory postural adjustments between normal and cervical spondylotic myelopathy patient. 10th annual meeting of

- Cervical Spine Research Society Asia Pacific Section (CSRS-AP) (Mar. 15, 2019 Yokohama)
78. Yoshida K, Isogai N, Shiono Y, Takahashi Y, Sasao Y, Nishiyama M, Funao H, Ishii K. The surgical correction of lateral lumbar interbody fusion and percutaneous pedicle screw for lumbar degenerative spondylolisthesis. 3rd SOLAS Japan Regional Meeting, and 1st SOLAS Asia Pacific & Japan Combined Meeting (Oct. 5, 2019 Tokyo)
 79. Takahashi Y, Isogai N, Yoshida K, Sasao Y, Nishiyama M, Funao H, Ishii K. Radiographic evaluation of indirect neural decompression of lateral lumbar interbody fusion according to the severity of lumbar spinal stenosis. 3rd SOLAS Japan Regional Meeting, and 1st SOLAS Asia Pacific & Japan Combined Meeting (Oct. 5, 2019 Tokyo)
 80. Ishii K, Isogai N, Takahashi Y, Yoshida K, Sasao Y, Nishiyama M, Funao H. A new-groove entry technique for inserting thoracic percutaneous pedicle screws. Society for Minimally Invasive Spine Surgery (SMISS), Las Vegas, USA, 2019
 81. Funao H, Isogai N, Yoshida K, Sasao Y, Nishiyama M, Ishii K. Surgeons' intraoperative radiation exposure in single-and multi-level minimally invasive transforaminal lumbar interbody fusion. Society for Minimally Invasive Spine Surgery (SMISS), Las Vegas, USA, 2019
 82. Isogai N, Funao H, Sugimoto M, Narita W, Hayashi A, Sasao Y, Nishiyama M, Aokage K, Tsuboi M, Ishii K. Virtual/mixed reality technologies for minimally invasive and complicated spinal surgery. Society for Minimally Invasive Spine Surgery (SMISS), Las Vegas, USA, 2019
 83. Isogai N, Sasao Y, Daimon K, Ebata S, Funao H, Ishii K. A novel intraoperative spino-pelvic parameter "Thoracic 10 Pelvic angle" can predict proximal junctional kyphosis after adult spinal deformity surgery. 13th Combined Meeting of Asia Pacific Spine Society & Asia Pacific Paediatric Orthopaedic Society. June 9-12, Kobe, Japan, 2021.
 84. Isogai N, Daimon K, Sasao Y, Ebata S, Funao H, Ishii K. A rare case of non-traumatic atlantoaxial rotatory fixation in an adult patient treated by a closed reduction under general anesthesia in chronic phase. 13th Combined Meeting of Asia Pacific Spine Society & Asia Pacific Paediatric Orthopaedic Society. June 9-12, Kobe, Japan, 2021.
 85. Hijikata Y, Suzuki A, Funao H, Miyagi M, Morimoro T, Kanno H, Kotani Y, Ishii K. "Occupational direct radiation exposure to the hands with longitudinal melanonychia and hand eczema in spine surgeons: A survey by the Society for Minimally Invasive Spinal Treatment in Japan" The 1st Annual SMISS-AP Meeting (Sep. 29-Oct. 1, 2021 WEB)
 86. Isogai N, Otomo N, Kato S, Sasao Y, Ebata S, Funao H, Ishii K. "Ideal needle puncture angle and operability of the catheter during spinal cord stimulation procedure" The 1st Annual SMISS-AP Meeting (Sep. 29-Oct. 1, 2021 WEB)
 87. Ishii K. "Contraindication of Minimally Invasive LIF for Percutaneous Reduction of Degenerative Spondylolisthesis" The 1st Annual SMISS-AP Meeting (Sep. 29-Oct. 1, 2021 WEB)
 88. Kato S, Funao H, Isogai N, Otomo N, Sasao Y, Ebata S, Ishii K. "Vertebroplasty with posterior spinal fusion for osteoporotic vertebral fracture using computer-assisted three-dimensional rod contouring system: a new minimally invasive technique" The 1st Annual SMISS-AP Meeting (Sep. 29-Oct. 1, 2021 WEB)
 89. Isogai N, Igawa T, Suzuki A, Urata R, Ui H, Ideura K, Otomo N, Kato S, Sasao Y, Ebata S, Funao H, Ishii K. "Elucidation of gait characteristics of patients with dropped head syndrome using a three-dimensional motion analysis." Asia Pacific Spine Society Annual Meeting 2022. India (Hybrid), 10 June, 2022. Basic Science Medal Paper.
 90. Isogai N, Igawa T, Suzuki A, Urata R, Ui H, Ideura K, Otomo N, Kato S, Sasao Y, Ebata S, Funao H, Ishii K. "Elucidation of gait characteristics of patients with dropped head syndrome using a three-dimensional motion analysis" The 12th Annual Meeting of Cervical Spine Research Society-Asia Pacific. Beijing China (Hybrid), June 24, 2022.
 91. Funao H, Igawa T, Isogai N, Kato S, Otomo N, Suzuki A, Ishizaka M, Sasao Y, Ebata S, Ishii K. "Prevalence of sarcopenia, appendicular muscle mass, and leg muscle mass in idiopathic dropped head syndrome patients are similar to healthy volunteers" The 12th Annual Meeting of Cervical Spine Research Society-Asia Pacific. Beijing China (Hybrid), June 25, 2022.

Posters

1. Ishii K, Chiba K, Momoshima S, Hosogane N, Watanabe K, Tsuji T, Nakamura M, Toyama Y, Matsumoto M. A novel strategy for treatment for chronic atlantoaxial rotatory fixation (AARF). American Academy of

- Orthopaedic Surgeons 2012 Annual Meeting, San Francisco, USA, 2012.
2. Nakamura M, Watanabe M, Fujimura Y, Ishii K, Ogawa Y, Okai H, Ohota K, Yato Y, Watanabe M. Influence of minor trauma to the neck on the neurological outcome in patients with cervical OPLL. The 35th Annual Scientific Meeting of the International Medical society of Paraplegia, Atlanta, USA, 1996.
 3. Yato Y, Nakamura M, Watanabe M, Okai H, Ishii K, Fujimura H. Changes in choline acetyltransferase in the spinal motoneurons following spinal cord compression in twy mouse. The 35th Annual Meeting of International Medical Society of Paraplegia, Atlanta, USA, 1996.
 4. Ohta K, Nakamura M, Watanabe M, Yato Y, Okai H, Ishii K, Fujimura H. Magnetic resonance imaging of the spinal cord in cervical ossification of the posterior longitudinal ligament. The 36th Annual Meeting of International Medical Society of Paraplegia, Atlanta, USA, 1996.
 5. Watanabe M, Nakamura M, Yato Y, Okai H, Ishii K, Fujimura H. Experimental study on MRI evaluation of the course of cervical spinal cord injury. The 36th Annual Meeting of International Medical Society of Paraplegia, Atlanta, USA, 1996.
 6. Okai H, Nakamura M, Ishii K, Fujimura H. Effect of glial cell-line derived neurotrophic factor on injured spinal motoneurons. The 38th Annual Meeting of International Medical Society of Paraplegia, Copenhagen, Denmark, 1999.
 7. Ishii K, Dai H.N, Finn T.P, Bregman B.S. Neutralization of ciliary neurotrophic factor reduces astrocyte production from transplanted neural stem cells in vivo after acute spinal cord injury. Society for Neuroscience 2002, Orlando, USA, 2002.
 8. Ishii K, Toyama Y, Okano H, Chiocca E.A, Weissleder R, Saeki Y. Enhanced neural differentiation and neurite outgrowth of neural stem cells using a novel three-dimensional culture system. Society for Neuroscience 2003, New Orleans, USA, 2003.
 9. Finn T.P, Nakamura M, Ishii K, Bregman B.S. Cytokines elevated after spinal cord injury effect rat NSC survival and differentiation. Society for Neuroscience 2003, New Orleans, USA, 2003.
 10. Ishii K, Nakamura M, Toyama Y, Okano H, Chiocca E. A, Weissleder R, Saeki Y. Reproducible mouse spinal cord injury contusion model using MASCIS impactor. Society for Neuroscience 2004, San Diego, USA, 2004.
 11. Ikegami T, Nakamura M, Yamane J, Okada S, Iwanami A, Watanabe K, Ishii K, Takahashi T, Toyama Y, Okano H. Effective application of chondroitinase ABC combined with transplanted neural progenitor cells in vivo. Society for Neuroscience 2004, San Diego, USA, 2004.
 12. Ishii K, Fujiyoshi K, Ikegami T, Okada S, Yamada M, Okano H.J, Nakamura M, Okano H, Toyama Y: *In vivo* magnetic resonance imaging of grafted neural stem cells in the spinal cord injury. Society for Neuroscience 2005, Washington DC, USA, 2005.
 13. Ishii K, Okada S, Nakamura M, Okano H, Chiba K, Toyama Y. *In vivo* imaging of grafted neural stem cells in the injured spinal cord. The 33th Cervical Spine Research Society, San Diego, USA, 2005.
 14. Okada S, Ishii K, Yamane J, Nakamura M, Okano H.J, Toyama Y, Okano H. Bioluminescent imaging of transplanted neural progenitor cells in vivo. Society for Neuroscience 2005, Washington DC, USA, 2005.
 15. Ueda Y, Ishii K, Nakamura M, Toyama Y, Okano H. Self-assembling peptide scaffold promotes the axonal growth in the injured spinal cord. Society for Neuroscience 2008, Washington DC, USA, 2008.
 16. Funao H, Ishii K, Nagai S, Sasaki A, Hoshikawa T, Aizawa M, Okada Y, Chiba K, Koyasu S, Toyama Y, Matsumoto M. Establishment of quantitative model of staphylococcal osteomyelitis using bioimaging techniques. The 9th World Congress Inflammation, Tokyo, Japan, 2009.
 17. Ishii K, Matsumoto M, Watanabe K, Tsuji T, Takaishi T, Nakamura M, Toyama Y, Chiba K. Remodeling of C2 facet deformity prevents recurrent sbluxation in patients with chronic atlantoaxial rotatory fixation -A new strategy for treatment of chronic AARF-. The 25th Annual Meeting of the European Section of the Cervical Spine Research Society, Uppsala, Sweden, 2009.
 18. Funao H, Ishii K, Nagai S, Sasaki A, Hoshikawa T, Aizawa M, Okada Y, Chiba K, Koyasu S, Toyama Y, Matsumoto M. Novel bacteria-resistant implant prevents implant-associated osteomyelitis. The 56th Annual Meeting of the Orthopaedic Research Society, New Orleans, USA, 2010.
 19. Funao H, Ishii K, Nagai S, Sasaki A, Hoshikawa T, Aizawa M, Okada Y, Chiba K, Koyasu S, Toyama Y, Matsumoto M. Establishment of quantitative **model** of staphylococcal **osteomyelitis** using bioimaging techniques. The 56th Annual Meeting of the Orthopaedic Research Society, New Orleans, 2010.
 20. Takagi T, Ishii K, Shibata S, Yasuda A, Nagoshi N, Saito H, Okano H, Toyama Y, Okano H, Nakamura M. Analysis of sphere derived from injured adult peripheral nerves. The 56th Annual Meeting of the Orthopaedic Research Society, New Orleans, 2010.
 21. Ishii K, Watanabe K, Tsuji T, Nakamura M, Toyama Y, Chiba K, Matsumoto M. Remodeling of C2 facet deformity prevents recurrent sbluxation in patients with chronic atlantoaxial rotatory fixation -A new strategy

- for treatment of chronic AARF-. The 1st Annual Meeting of the Cervical Spine Research Society AP Section, Kobe, Japan, 2010.
22. Funao H, Ishii K, Nagai S, Sasaki A, Hoshikawa T, Aizawa M, Okada Y, Chiba K, Koyasu S, Toyama Y, Matsumoto M. Novel bacteria-resistant implant prevents implant-associated osteomyelitis. The 7th Combined Meeting of the Orthopaedic Research Societies, Kyoto, Japan, 2010.
 23. Kuramoto T, Ishii K, Hosogane N, Watanabe K, Tsuji T, Nakamura M, Toyama Y, Chiba K, Matsumoto M. Analysis of development of high-riding vertebral artery in rheumatoid arthritis. The 2nd Annual Meeting of the Cervical Spine Research Society AP Section, Busan, Korea, 2010.
 24. Kuramoto T, Ishii K, Nagai S, Funao H, Kobayashi Y, Hirai M, Sasaki A, Okada Y, Chiba K, Koyasu S, Toyama Y, Matsumoto M. A novel molecular targeted therapy for the musculoskeletal MRSA infection. The 4th International Conference on Drug Discovery and Therapy, Dubai, 2012.
 25. Yoshioka K, Ishii K, Kuramoto T, Funao H, Nagai S, Sasaki A, Okada Y, Chiba K, Koyasu S, Toyama Y, Matsumoto M. Establishment of a noninvasive quantitative mouse model of soft tissue infection using bioimaging. The 4th International Conference on Drug Discovery and Therapy, Dubai, 2012.
 26. Funao H, Ishii K, Nagai S, Sasaki A, Hoshikawa T, Aizawa M, Okada Y, Chiba K, Koyasu S, Toyama Y, Matsumoto M. Novel bacteria-resistant implant prevents implant-associated osteomyelitis. The 4th International Conference on Drug Discovery and Therapy, Dubai, 2012.
 27. Funao H, Ishii K, Nagai S, Sasaki A, Hoshikawa T, Aizawa M, Okada Y, Chiba K, Koyasu S, Toyama Y, Matsumoto M. Establishment of quantitative model of staphylococcal osteomyelitis using bioimaging techniques. The 4th International Conference on Drug Discovery and Therapy, Dubai, 2012.
 28. Nakamura M, Iwanami A, Tsuji O, Hosogane N, Watanabe K, Tsuji T, Ishii K, Toyama Y, Chiba K, Matsumoto M. Long-term surgical outcomes of cervical dumbbell neurinomas. 3rd Annual Meeting of Cervical Spine Research Society Asia Pacific Section, Hakata, Japan, 2012.
 29. Matsumoto M, Iwanami A, Hosogane N, Watanabe K, Tsuji T, Ishii K, Nakamura M, Chiba K, Toyama Y. Impact of lamina closure on long-term outcomes of open-door laminoplasty in patients with cervical myelopathy -Minimum 5-year follow-up study. The 3rd Annual Meeting of Cervical Spine Research Society Asia Pacific Section, Hakata, Japan, 2012.
 30. Kuramoto T, Ishii K, Nagai S, Funao H, Kobayashi K, Hirai M, Sasaki A, Okada Y, Chiba K, Koyasu S, Toyama Y, Matsumoto M. A novel molecular targeted therapy for spinal mrsa infection. Spineweek 2012, Amsterdam, Holland, 2012.
 31. Ishii K, Momoshima S, Iwanami A, Hosogane N, Watanabe K, Tsuji T, Nakamura M, Toyama Y, Chiba K, Matsumoto M. A new strategy for treatment of chronic atlantoaxial rotatory fixation -remodeling therapy. Spineweek 2012, Amsterdam, Holland, 2012.
 32. Hosogane N, Kaneko S, Watanabe H, Nojiri K, Watanabe K, Tsuji T, Ishii K, Kono H, Nakamura M, Shioda M, Machida M, Saito M, Toyama Y, Chiba K, Matsumoto M. Comparison of results of surgical treatments for osteoporotic vertebral collapse. The 19th International Meeting on Advanced Spine Techniques, Istanbul, Turkey, 2012.
 33. Yoshioka K, Ishii K, Kuramoto T, Funao H, Nagai S, Ishihama H, Sasaki A, Okada Y, Chiba K, Koyasu S, Toyama Y, Matsumoto M. Establishment of a new paraspinal infection mouse model evaluated noninvasively and quantitatively using bio-imaging. The 40th Annual Meeting of the International Society for the Study of the Lumbar Spine, Scottsdale, USA, 2013.
 34. Hikata T, Iwanami A, Hosogane N, Watanabe K, Ishii K, Nakamura M, Kamata M, Toyama Y, Matsumoto M. Risk factors for adjacent segment disease after posterior lumbar interbody fusion and efficacy of simultaneous decompression surgery for symptomatic adjacent segment disease. The 40th Annual Meeting of the International Society for the Study of the Lumbar Spine, Scottsdale, USA, 2013.
 35. Kaneko Y, Ishii K, Ishihara S, Hikata T, Iwanami A, Hosogane N, Watanabe K, Nakamura M, Koyanagi T, Toyama Y, Matsumoto M. Effectiveness of MIS-TLIF as revision surgery. The 40th Annual Meeting of the International Society for the Study of the Lumbar Spine, Scottsdale, USA, 2013.
 36. Ishii K, Ishihara S, Kaneko Y, Iwanami A, Hikata T, Hosogane N, Watanabe K, Nakamura M, Toyama Y, Matsumoto M. Development of a novel percutaneous guide wire (S-wier™) for percutaneous pedicle screw insertion -its efficacy and safety-. The 40th Annual Meeting of the International Society for the Study of the Lumbar Spine, Scottsdale, USA, 2013.
 37. Shiono Y, Ishii K, Nagai S, Kuramoto T, Yoshioka K, Ishihama H, Funao H, Kakinuma H, Sasaki A, Aizawa M, Okada Y, Koyasu S, Toyama Y, Matsumoto M. Propionibacterium acnes causes delayed surgical site infection only in the presence of implant. The 40th Annual Meeting of the International Society for the Study of the Lumbar Spine, Scottsdale, USA, 2013.
 38. Hosogane N, Iwanami A, Watanabe K, Yagi M, Kaneko S, Tsuji T, Ishii K, Kono H, Nakamura M, Shiota M, Machida M, Saito M, Toyama Y, Chiba K, Matsumoto M. Scoliosis is a risk factor for gastroesophageal reflux

- disease in adult spinal deformity. The 40th Annual Meeting of the International Society for the Study of the Lumbar Spine, Scottsdale, USA, 2013.
39. Long P, Watanabe K, Hosogane N, Fujita N, Hikata T, Iwanami A, Ishii K, Nakamura M, Toyama Y, Matsumoto M. Potential risk factors of shoulder imbalance in Lenke type 6 adolescent idiopathic scoliosis. The 43rd Annual Meeting of the Japanese Society for Spine Surgery and Related Research, Kyoto, Japan, 2014.
 40. Suzuki S, Hosogane N, Ishii K, Hikata T, Fujita N, Nojiri K, Kono H, Yorimitsu E, Kato M, Ichihara D, Okada E, Ishihama H, Watanabe K, Iwanami A, Takahata T, Saito M, Nakamura M, Toyama Y, Matsumoto M. Surgical outcome of posterior fusion for osteoporotic vertebral compression fracture at middle to lower lumbar spine. The 41th Annual Meeting of the International Society for the Study of the Lumbar Spine, Seoul, Korea, 2014.
 41. Ishii K, Hosogane N, Hikata T, Yoshioka K, Shiono Y, Iida T, Ozaki M, Ishihama H, Horiuchi Y, Takahashi Y, Furuwaka M, Nagoshi S, Iizuka S, Okada E, Kaneko Y, Takahashi Y, Fujita N, Kato H, Ichihara D, Kaneko S, Watanabe K, Fukuda K, Kohno H, Kamata M, Koyanagi T, Nakamura M, Nishiwaki Y, Toyama Y, Matsumoto M. Does the change of weather condition influence pain level of symptoms in the patients with lumbar spine diseases? The 41th Annual Meeting of the International Society for the Study of the Lumbar Spine, Seoul, Korea, 2014.
 42. Fujita N, Hikata T, Watanabe K, Ishii K, Iwanami A, Nakamura M, Toyama Y, Matsumoto M. Association between psychological disorder and low back pain after decompression surgery for lumbar spinal stenosis. The 41th Annual Meeting of the International Society for the Study of the Lumbar Spine, Seoul, Korea, 2014.
 43. Shiono Y, Ishii K, Hosogane N, Hikata T, Yoshioka K, Iida T, Ozaki M, Ishihama H, Horiuchi Y, Takahashi Y, Furuwaka M, Nagoshi S, Iizuka S, Okada E, Kaneko Y, Takahashi Y, Fujita N, Kato H, Ichihara D, Kaneko S, Watanabe K, Fukuda K, Kohno H, Kamata M, Koyanagi T, Nakamura M, Toyama Y, Matsumoto M. Low back pain causes different level of depressive tendencies in various lumbar diseases. The 41st Annual Meeting of the International Society for the Study of the Lumbar Spine, Seoul, Korea, 2014.
 44. Shinozaki Y, Ishii K, Ogawa J, Takahashi Y, Nishida M, Nakashima D, Toyama Y, Matsumoto M. Pathognomonic radiological indicators for diagnosis of lumbosacral foraminal stenosis. The 41th Annual Meeting of the International Society for the Study of the Lumbar Spine, Seoul, Korea, 2014.
 45. Hikata T, Watanabe K, Fujita N, Iwanami A, Hosogane N, Ishii K, Nakamura M, Toyama Y, Matsumoto M. Clinical outcome after lumbar decompression surgery was not associated with preoperative sagittal alignment. The 41th Annual Meeting of the International Society for the Study of the Lumbar Spine, Seoul, Korea, 2014.
 46. Isogai N, Ishii K, Hosogane N, Hikata T, Fujita N, Kaneko Y, Koyanagi T, Nakamura M, Toyama Y, Matsumoto M. Postoperative translation of upper instrumented vertebra is a risk factor for proximal junctional deformity in the coronal plane after posterior lumbar fusion surgery. The 41th Annual Meeting of the International Society for the Study of the Lumbar Spine, Seoul, Korea, 2014.
 47. Fujita N, Hosogane N, Ishii K, Hikata T, Watanabe K, Toyama Y, Miyamoto T, Matsumoto M. Molecular characterization of chordoma cell line U-CH1-N: applications for intervertebral disc research. The 41st Annual Meeting of the International Society for the Study of the Lumbar Spine, Seoul, Korea, 2014.
 48. Watanabe K, Nojiri K, Yoshida H, Okada E, Hikata T, Fujita N, Iwanami A, Hosogane N, Ishii K, Nakamura M, Toyama Y, Matsumoto M. Lumbar spinal canal stenosis associated with compression fracture of lower lumbar spine. The 41st Annual Meeting of the International Society for the Study of the Lumbar Spine, Seoul, Korea, 2014.
 49. Isogai N, Funao H, Kaneko Y, Koyanagi T, Daimon K, Nakamura M, Matsumoto M, Ishii K. Spine fellow's initial learning curve in minimally invasive transforaminal lumbar interbody fusion. The Society for Minimally Invasive Spine Surgery Global Forum, Las Vegas, USA, 2015.
 50. Hikata T, Isogai N, Shiono Y, Funao H, Okada E, Fujita N, Iwanami A, Watanabe K, Nakamura M, Matsumoto M, Ishii K. Less invasiveness in minimally invasive spine stabilization (mist) for metastatic spinal tumor. The International Society for the Study of the Lumbar Spine 2016 Spine Week, Singapore, 2016.
 51. Ishihara S, Fujita N, Hikata T, Iwanami A, Watanabe K, Ishikawa M, Fukui Y, Nakamura M, Matsumoto M, Ishii K. Lifestyle related disease increases thickness of spinal epidural fat in the patients with lumbar spinal stenosis. The International Society for the Study of the Lumbar Spine 2016 Spine Week, Singapore, 2016.
 52. Ishihara S, Fujita N, Hikata T, Iwanami A, Watanabe K, Ishikawa M, Fukui Y, Nakamura M, Matsumoto M, Ishii K. Thickness of spinal epidural fat influences surgical outcomes in the patients with lumbar spinal stenosis. The International Society for the Study of the Lumbar Spine 2016 Spine Week, Singapore, 2016.
 53. Fujii T, Fujita N, Suzuki S, Watanabe R, Watanabe K, Ishii K, Tsuji T, Miyamoto T, Horiuchi K, Matsumoto M, Nakamura M. ER stress inhibitor suppresses intervertebral disc degeneration. The International Society for the Study of the Lumbar Spine 2016 Spine Week, Singapore, 2016.
 54. Shinozaki Y, Hikata T, Fujita N, Matsumaru S, Kobayashi Y, Takahashi Y, Takaishi H, Ogawa J, Nakamura M,

- Matsumoto M, Ishii K. Effects of the dynamic factor in lumbosacral foraminal stenosis with the osteophyte at the disc level. The International Society for the Study of the Lumbar Spine 2016 Spine Week, Singapore, 2016.
55. Fujita N, Hosogane N, Hikata T, Iwanami A, Watanabe K, Shiono Y, Okada E, Ishikawa M, Horiuchi K, Nakamura M, Matsumoto M, Ishii K. Potential involvement of inflammatory cytokines in the etiology of idiopathic spinal epidural Lipomatosis. The International Society for the Study of the Lumbar Spine 2016 Spine Week, Singapore, 2016.
 56. Okada E, Shimizu K, Kato M, Fukuda K, Kaneko S, Ogawa J, Watanabe K, Matsumoto M, Ishii K. Spinal fractures in patients with diffuse idiopathic skeletal hyperostosis - CT-based analysis by fracture level. Asia Pacific Spine Society 2016 Spine Week, Singapore, 2016.
 57. Funao H, Kebaish K, Isogai N, Fujita N, Hikata T, Iwanami A, Watanabe K, Koyanagi T, Nakamura M, Matsumoto M, Ishii K. Minimally invasive spine stabilization with percutaneous sacropelvic fixation for spondylodiscitis in the lower lumbar spine. Society for Minimally Invasive Spine Surgery 2016 Spine Week, Singapore, 2016.
 58. Fujita N, Azuma K, Ishihara S, Tsuji O, Nagoshi N, Yagi M, Watanabe K, Tsuji T, Nakamura M, Matsumoto M, Ishii K. Evaluation of lumbar paraspinal muscle atrophy in patients with sarcopenia. 44th International Society for the Study of the Lumbar Spine (ISSLS), Athens, Greece, 2017
 59. Ishihara S, Fujita N, Azuma K, Tsuji O, Nagoshi N, Yagi M, Watanabe K, Tsuji T, Ishii K, Nakamura M, Matsumoto M. Metabolic syndrome affects accumulation of lumbar epidural fat. 44th International Society for the Study of the Lumbar Spine (ISSLS), Athens, Greece, 2017
 60. Watanabe R, Fujita N, Watanabe K, Ishii K, Tsuji T, Horiuchi K, Miyamoto T, Nakamura M, Matsumoto M. Follistatin-like protein 1 has an anti-inflammatory effect on the notochordal nucleus pulposus cell line, U-CH1-N. 44th International Society for the Study of the Lumbar Spine (ISSLS), Athens, Greece, 2017
 61. Mima Y, Fujita N, Suzuki S, Watanabe K, Ishii K, Tsuji T, Miyamoto T, Matsumoto M, Nakamura M. Role of semaphorin 3A in intervertebral disc degeneration. 44th International Society for the Study of the Lumbar Spine (ISSLS), Athens, Greece, 2017
 62. Nakashima D, Nagura T, Ishii K, Jinzaki M, Matsumoto M, Nakamura M. Resonance Frequency Analysis of Pedicle Screw Stability: A Cadaveric Study With micro-CT. ORS 2017, San Diego, 2017.
 63. Fujii T, Fujita N, Suzuki S, Watanabe K, Ishii K, Tsuji T, Miyamoto T, Horiuchi K, Matsumoto M, Nakamura M. Potential Involvement of unfolded protein response in the pathogenesis of intervertebral disc degeneration. ORS 2017, San Diego, 2017.
 64. Seki H, Suda Y, Waseda A, Ikezawa H, Takeshima K, Ishii K. Minimally Invasive Distal Linear Metatarsal Osteotomy for Severe Hallux Valgus. 6th Triennial IFFAS Scientific Meeting, Portugal, 2017.
 65. Funao H, Yamane J, Nagoshi N, Isogai N, Ishihara S, Tsuji O, Fujita N, Yagi M, Watanabe K, Hosogane N, Ninomiya K, Nakamura M, Matsumoto M, Ishii K, KSRG members. "The impact of patients' comorbidity on surgical results and clinical outcomes after cervical laminoplasty for cervical spondylotic myelopathy." 8th Annual Meeting of Cervical Spine Research Society Asia Pacific Section, Kobe, Japan, 2017.
 66. Ishihara S, Ishii K, Nagoshi N, Yamane J, Ninomiya K, Kato S, Tsuji O, Fujita N, Yagi M, Watanabe K, Fukuda K, Funao H, Nakamura M, Matsumoto M, KSRG members "The impact of patients' obesity on surgical outcomes after cervical laminoplasty in patients with cervical spondylotic myelopathy." 8th Annual Meeting of Cervical Spine Research Society Asia Pacific Section, Kobe, Japan, 2017.
 67. Nagoshi N, Yamane J, Iwanami A, Isogai N, Ishikawa M, Nojiri K, Fujita N, Yagi M, Watanabe K, Tsuji T, Daimon K, Nakamura M, Matsumoto M, Ishii K, KSRG members. "Surgical outcomes of laminoplasty in 881 patients with cervical spondylotic myelopathy: Comparison between board- and non-board-certified spine surgeons." 8th Annual Meeting of Cervical Spine Research Society Asia Pacific Section, Kobe, Japan, 2017.
 68. Nishimura S, Nagoshi N, Yamane J, Iwanami A, Tsuji O, Fujita N, Yagi M, Watanabe K, Nakamura M, Matsumoto M, Ishii K. KSRG members. "Comparison of surgical outcome after expansive open-door laminoplasty for cervical spondylotic myelopathy and cervical ossification of the posterior longitudinal ligament." 8th Annual Meeting of Cervical Spine Research Society Asia Pacific Section, Kobe, Japan, 2017.
 69. Yamane J, Iwanami A, Nagoshi N, Tokunaga S, Yagi M, Fujita N, Watanabe K, Isogai N, Suzuki S, Kobayashi Y, Nakamura M, Matsumoto M, Ishii K, KSRG members. "Comparison of surgical outcomes between open- door, double- door laminoplasty, and selective laminectomy with muscle preservation for cervical spondylotic myelopathy: A multicenter study of 881 cases." 8th Annual Meeting of Cervical Spine Research Society Asia Pacific Section, Kobe, Japan, 2017.
 70. Ishihara S, Ishii K, Nagoshi N, Yamane J, Ninomiya K, Kato S, Tsuji O, Fujita N, Yagi M, Watanabe K, Nakamura M, Matsumoto M, KSRG members. "Impact of obesity on surgical

- outcomes after cervical laminoplasty in patients with cervical spondylotic myelopathy.” 8th Annual Meeting of Cervical Spine Research Society Asia Pacific Section, Kobe, Japan, 2017.
71. Kawabata S, Iwanami A, Nagoshi N, Yamane J, Tsuji O, Fujita N, Yagi M, Watanabe K, Nakamura M, Ishii K, KSRG member. "Changes of cervical alignment after resection of dumbbell tumors” 8th Annual Meeting of Cervical Spine Research Society Asia Pacific Section, Kobe, Japan, 2017.
 72. Ninomiya K, Yamane J, Nagoshi N, Aoyama R, Suzuki S, Shiono Y, Takahashi Y, Fujita N, Yagi M, Watanabe K, Iga T, Nakamura M, Matsumoto M, Ishii K, KSRG members. “A clinical and radiologic study of patients associated with cervical anterior spondylolisthesis followed by posterior decompression surgery: Retrospective multicenter study of 867 cases.” 8th Annual Meeting of Cervical Spine Research Society Asia Pacific Section, Kobe, Japan, 2017.
 73. Seki H, Suda Y, Waseda A, Ikezawa H, Takeshima K, Ishii K: Minimally Invasive Distal Linear Metatarsal Osteotomy for Severe Hallux Valgus 6th International Federation of Foot and Ankle Society (IFFAS), Sep. 2017
 74. Seki H, Oki S, Nagashima M, Takeshima K, Kokubo T, Nagura T, Ishii K. “Three-dimensional analysis of supination osteotomy of first metatarsal bone in distal liner metatarsal osteotomy for hallux valgus.” 64th Orthopaedic Research Society (ORS), Mar. 2018.
 75. Isogai N, Funao H, Ishihara S, Ishii K. “An examination of pain in the scapular regions and cervical radiculopathy using selective nerve root block” 9th Annual Meeting of Cervical Spine Research Society Asia Pacific Section New Delhi, India, 2018
 76. Ishihara S, Fujita N, Azuma K, Tsuji O, Nagoshi N, Yagi M, Watanabe K, Tsuji T, Ishii K, Nakamura M, Matsumoto M. “Association between epidural fat accumulation and metabolic conditions”. 45th International Society for the Study of the Lumbar Spine (ISSLS). Banff, Canada 2018
 77. Tanabe R, Seki H, Suda Y, Sakurai A, Nitta Y, Ishii K. “Gait analysis in terminal stance of the patients with bilateral hallux valgus.” 12th European Foot and Ankle Society (EFAS), Genova, Italy, 2018
 78. Nagashima M, Otani T, Matsumoto R, Seki H, Isogai N, Ishihara S, Funao H, Nishiyama M, Ishii K. “Anomalous insertion of the anterior horn of the medial meniscus: a case series of eleven patients.” 2018 Asia-Pacific Knee, Arthroscopy and Sports Medicine Society (APKASS) Congress, Sydney, Australia, 2018
 79. Nagashima M, Otani T, Seki H, Takeshima K, Origuchi N, Ishii K. “Incidence of venous thromboembolism after arthroscopic anterior cruciate ligament reconstruction.” 12th Biennial International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine (ISAKOS) Congress, Cancun, Mexico, 2019
 80. Isogai N, Yoshida K, Takahashi Y, Sasao Y, Nishiyama M, Funao H, Ishii K. Thoracic lateral interbody fusion and percutaneous pedicle screw fixation for spinal kyphosis due to osteoporotic vertebral fracture: a case report. 3rd SOLAS Japan Regional Meeting, and 1st SOLAS Asia Pacific & Japan Combined Meeting, Tokyo, 2019
 81. Funao H, Isogai N, Sugimoto M, Narita W, Sasao Y, Nishiyama M, Ishii K: “Virtual reality and mixed reality technologies for complex spine surgery.” The 55th Scoliosis Research Society, ONLINE, USA, 2020.

Moderators

1. Ishii K, Park S. Minimally invasive surgery. CSRS-AP 2011 (Apr. 28-30, 2011, Busan)
2. Ishii K. Goel Atul. Free Paper 16 Upper Cervical Spine 2. 6th Annual Meeting of Cervical Spine Research Society Asia Pacific Section. (Mar. 28, 2015 Yokohama)
3. Taylor W, Ishii K, Session 2: MISS-Lateral techniques. Society for Minimally Invasive Spine Surgery 2016 Spine Week. (May 17, 2016 Singapore)
4. Smuck M, Ishii K. Session 18: Imaging. The International Society for the Study of the Lumbar Spine 2016 Spine Week. (May 20, 2016 Singapore)
5. Ishii K, Srivastava SK. 2 Cranio-Vertebral Junction Surgeries. 9th Annual Meeting of Cervical Spine Research Society Asia Pacific Section. (Mar. 23, 2018 India)
6. Ishii K. Keynote Lectures 2. 2nd SOLAS Japan Regional Meeting (Nov. 10, 2018 Nagoya)
7. Ishii K, Yip R. Syposiun3: Single-position Surgery 2nd SOLAS Japan Regional Meeting (Nov. 10, 2018 Nagoya)
8. Ishii K. Diagnostic Imaging 2. 11th Annual Meeting of Cervical Spine Reserch Society Asia Pacific Section (CSRS-AP). (Mar. 26, 2021 WEB)
9. Ishii K. Special Lecture 2. The 21st Annual Meeting of the Pacific and Asian Society of Minimally Invasive Spine Surgery (PASMISS). (July 3, 2021 WEB)

10. Ishii K. Symposium on Minimally Invasive Spine Surgery [Lateral Access Minimally Invasive Spine Surgery: Current and Future Prospects]. Spine Across the Sea. (July 7,2021, WEB)
11. Ishii K. Session 6B: Controversy of Lumbosacral Fusion. The 1st Annual SMISS-AP Meeting (Sep. 30, 2021 WEB)