



Publication summary of AOSpine Knowledge Forum Tumor— Primary Tumor Retrospective project

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Peer-reviewed Journal Articles

1. Charest-Morin R, Dirks MS, Patel S, Boriani S, Luzzati A, Fehlings MG, Fisher CG, Dekutoski MB, Williams R, Quraishi NA, Gokaslan ZL, Bettegowda C, Germscheid NM, Varga PP, Rhines LD, AOSpine Knowledge Forum Tumor. *Ewing Sarcoma of the Spine: Prognostic Variables for Survival and Local Control in Surgically Treated Patients*. Spine (Phila Pa 1976) 43(9): 622-629, 2018.



2. Charest-Morin R, Fisher CG, Varga PP, Gokaslan ZL, Rhines LD, Reynolds JJ, Dekutoski MB, Quraishi NA, Bilsky MH, Fehlings MG, Chou D, Germscheid NM, Luzzati A, Boriani S, Tumor AOKF. *En Bloc Resection Versus Intraleisional Surgery in the Treatment of Giant Cell Tumor of the Spine*. Spine (Phila Pa 1976) 42(18): 1383-1390, 2017.



3. Chou D, Bilsky MH, Luzzati A, Fisher CG, Gokaslan ZL, Rhines LD, Dekutoski MB, Fehlings MG, Ghag R, Varga P, Boriani S, Germscheid NM, Reynolds JJ, Tumor AOKF. *Malignant peripheral nerve sheath tumors of the spine: results of surgical management from a multicenter study*. J Neurosurg Spine 26(3): 291-298, 2017.



4. Quraishi NA, Boriani S, Sabou S, Varga PP, Luzzati A, Gokaslan ZL, Fehlings MG, Fisher CG, Dekutoski MB, Rhines LD, Reynolds JJ, Germscheid NM, Bettegowda C, Williams RP. *A multicenter cohort study of spinal osteoid osteomas: results of surgical treatment and analysis of local recurrence*. Spine J 17(3): 401-408, 2017.



5. Versteeg AL, Dea N, Boriani S, Varga PP, Luzzati A, Fehlings MG, Bilsky MH, Rhines LD, Reynolds JJ, Dekutoski MB, Gokaslan ZL, Germscheid NM, Fisher CG. *Surgical management of spinal osteoblastomas*. J Neurosurg Spine 27(3): 321-327, 2017.



6. Dekutoski MB, Clarke MJ, Rose P, Luzzati A, Rhines LD, Varga PP, Fisher CG, Chou D, Fehlings MG, Reynolds JJ, Williams R, Quraishi NA, Germscheid NM, Sciubba DM, Gokaslan ZL, Boriani S, AOSpine Knowledge Forum Tumor.

Osteosarcoma of the spine: prognostic variables for local recurrence and overall survival, a multicenter ambispective study. J Neurosurg Spine 25(1): 59-68, 2016.



7. Fehlings MG, Nater A, Zamorano JJ, Tetreault LA, Varga PP, Gokaslan ZL, Boriani S, Fisher CG, Rhines L, Bettegowda C, Kawahara N, Chou D. *Risk factors for recurrence of surgically treated conventional spinal schwannomas: analysis of 169 patients from a multicenter international database.* Spine (Phila Pa 1976) 41(5): 390-398, 2016.



8. Fisher CG, Versteeg AL, Dea N, Boriani S, Varga PP, Dekutoski MB, Luzzati A, Gokaslan ZL, Williams RP, Reynolds JJ, Fehlings MG, Germscheid NM, Bettegowda C, Rhines LD. *Surgical management of spinal chondrosarcomas.* Spine (Phila Pa 1976) 41(8): 678-685, 2016.



9. Gokaslan ZL, Zadnik PL, Sciubba DM, Germscheid N, Goodwin CR, Wolinsky JP, Bettegowda C, Groves ML, Luzzati A, Rhines LD, Fisher CG, Varga PP, Dekutoski MB, Clarke MJ, Fehlings MG, Quraishi NA, Chou D, Reynolds JJ, Williams RP, Kawahara N, Boriani S. *Mobile spine chordoma: results of 166 patients from the AOSpine Knowledge Forum Tumor database.* J Neurosurg Spine 24(4): 644-651, 2016.



10. Goldstein CL, Varga PP, Gokaslan ZL, Boriani S, Luzzati A, Rhines L, Fisher CG, Chou D, Williams RP, Dekutoski MB, Quraishi NA, Bettegowda C, Kawahara N, Fehlings MG. *Spinal hemangiomas: results of surgical management for local recurrence and mortality in a multicenter study.* Spine (Phila Pa 1976) 40(9): 656-664, 2015.



11. Sciubba DM, Macki M, Bydon M, Germscheid NM, Wolinsky JP, Boriani S, Bettegowda C, Chou D, Luzzati A, Reynolds JJ, Szoverfi Z, Zadnik P, Rhines LD, Gokaslan ZL, Fisher CG, Varga PP. *Long-term outcomes in primary spinal osteochondroma: a multicenter study of 27 patients.* J Neurosurg Spine 22(6): 582-588, 2015.



12. Varga PP, Szoverfi Z, Fisher CG, Boriani S, Gokaslan ZL, Dekutoski MB, Chou D, Quraishi NA, Reynolds JJ, Luzzati A, Williams R, Fehlings MG, Germscheid NM, Lazary A, Rhines LD. *Surgical treatment of sacral chordoma: prognostic variables for local recurrence and overall survival.* Eur Spine J 24(5): 1092-1101, 2015.



13. Boriani S, Lo SF, Puvanesarajah V, Fisher CG, Varga PP, Rhines LD, Germscheid NM, Luzzati A, Chou D, Reynolds JJ, Williams RP, Zadnik P, Groves M, Sciubba DM, Bettegowda C, Gokaslan ZL, Tumor AOKF. *Aneurysmal bone cysts of the spine: treatment options and considerations.* J Neurooncol 120(1): 171-178, 2014.



14. Fisher CG, Goldschlager T, Boriani S, Varga PP, Rhines LD, Fehlings MG, Luzzati A, Dekutoski MB, Reynolds JJ, Chou D, Berven SH, Williams RP, Quraishi NA, Bettegowda C, Gokaslan ZL. *An evidence-based medicine model for rare and often neglected neoplastic conditions.* J Neurosurg Spine 21(5): 704-710, 2014.



15. Fisher CG, Goldschlager T, Boriani S, Varga PP, Fehlings MG, Bilsky MH, Dekutoski MB, Luzzati A, Williams RP, Berven S, Chou D, Reynolds JJ, Quraishi NA, Rhines LD, Bettegowda C, Gokaslan ZL. *A novel scientific model for rare and often neglected neoplastic conditions.* Evid Based Spine Care J 4(2): 160-162, 2013.



Conference Proceedings

Podium Presentations

1. **Charest-Morin R**, Rhines LD, Germscheid N, Fisher C, Boriani S, Varga PP, Bilsky M, Fehlings M, Quraishi N. *Ewing's sarcoma of the spine: prognostic variables for survival and local control in surgically treated patients*. Canadian Spine Society, Banff, AB, Canada, Feb 28-Mar 3, 2018.
2. **Rhines LD**, Dirks MS, Boriani S, Luzzati A, Fehlings MG, Fisher CG, Dekutoski MB, Williams R, Quraishi NA, Gokaslan ZL, Bettgowda C, Germscheid NM, Varga PP, Charest-Morin R. *Surgical management of Ewing's sarcoma of the spine: survival and local control outcomes*. Congress of Neurological Surgeons (CNS) Annual Meeting, Boston, MA, USA, October 07-11, 2017.
3. **Charest-Morin R**, Fisher CG, Varga PP, Gokaslan ZL, Rhines LD, Reynolds JJ, Dekutoski MB, Quraishi NA, Bilsky MH, Fehlings MG, Chou D, Germscheid NM, Luzzati A, Boriani S, AOSpine Knowledge Forum Tumor. *En bloc resection versus intralesional surgery in the treatment of giant cell tumor of the spine*. Global Spine Congress 2017, Milan, Italy, May 3-6, 2017.
4. **Charest-Morin R**, Fisher CG, Varga PP, Gokaslan ZL, Rhines LD, Reynolds JJ, Dekutoski MB, Quraishi NA, Bilsky MH, Fehlings MG, Chou D, Germscheid NM, Luzzati A, Boriani S, AOSpine Knowledge Forum Tumor. *En bloc resection versus intralesional surgery in the treatment of giant cell tumor of the spine*. 17th Annual Scientific Conference of the Canadian Spine Society (CSS), Montreal, Quebec, Canada, February 22-25, 2017.
5. Versteeg AL, **Dea N**, Boriani S, Varga P, Luzzati A, Fehlings MG, Bilsky MH, Rhines LD, Reynolds JJ, Dekutoski MB, Gokaslan ZL, Germscheid NM, Fisher CG. *Surgical management of spinal osteoblastoma*. Global Spine Congress 2016, Dubai, United Arab Emirates, April 13-16, 2016.
6. Versteeg AL, **Dea N**, Boriani S, Varga PP, Luzzati A, Fehlings MG, Bilsky MH, Rhines LD, Reynolds JJ, Dekutoski MB, Gokaslan ZL, Germscheid NM, Fisher CG. *Results of surgical management and prognostic variables for local recurrence and mortality of spinal osteoblastomas*. Canadian Spine Society Annual Meeting 2016, Whistler, Canada, February 24-27, 2016.
7. Fisher CG, Versteeg AL, Dea N, Boriani S, Varga PP, Dekutoski MB, Luzzati A, Gokaslan ZL, Williams RP, Reynolds JJ, **Fehlings MG**, Bettgowda C, Rhines LD. *Chondrosarcomas of the spine: prognostic variables for local recurrence and mortality in a multicenter study*. 22nd International Meeting on Advanced Spine Techniques (IMAST), Kuala Lumpur, Malaysia, July 8-11, 2015.
8. Gokaslan ZL, Zadnik P, Sciubba DM, Germscheid N, Goodwin CR, Wolinsky J-P, Bettgowda C, Groves M, Luzzati A, **Rhines L**, Fisher C, Varga PP, Dekutoski MB, Clarke M, Fehlings MG, Quraishi NA, Chou D, Reynolds JJ, Williams R, Boriani S. *Mobile spine chordoma: results of 166 patients from the AOSpine Knowledge Forum Tumor*. 22nd International Meeting on Advanced Spine Techniques (IMAST), Kuala Lumpur, Malaysia, July 8-11, 2015.
9. **Rhines LD**, Dirks MS, Boriani S, Luzzati A, Fehlings MG, Fisher CG, Dekutoski MB, Williams R, Quraishi NA, Gokaslan ZL, Bettgowda C, Germscheid N, Varga PP. *Ewing's sarcoma of the spine: survival and local control in surgically treated patients*. 22nd International Meeting on Advanced Spine Techniques (IMAST), Kuala Lumpur, Malaysia, July 8-11, 2015.
10. Clarke MJ, Dekutoski MD, Luzzati A, Rhines LD, Varga PP, Rose P, Fisher CG, Chou D, Fehlings MG, Reynolds JJ, Williams R, Quraishi NA, Germscheid NM, Sciubba D, Gokaslan ZL, **Boriani S**. *Osteosarcoma of the spine: prognostic variables for local recurrence and overall survival, a multi-center ambispective study*. Global Spine Congress 2015, Buenos Aires, Argentina, May 20-23, 2015.
11. **Goldstein CL**, Varga PP, Gokaslan ZL, Boriani S, Luzzati A, Rhines L, Fisher CG, Chou D, Williams RP, Dekutoski MB, Quraishi NA, Bettgowda C, Kawahara N, Fehlings MG. *Outcomes of surgical management and risks of*

recurrence of symptomatic spinal hemangiomas: a multicenter series of 68 cases. Global Spine Congress 2015, Buenos Aires, Argentina, May 20-23, 2015.

12. **Rhines LD**, Dirks MS, Boriani S, Luzzati A, Fehlings MG, Fisher CG, Dekutoski MB, Williams R, Quraishi NA, Gokaslan ZL, Bettegowda C, Germscheid NM, Varga PP. *Ewing's sarcoma of the spine: prognostic variables for survival and local control in surgically treated patients.* Global Spine Congress 2015, Buenos Aires, Argentina, May 20-23, 2015.

13. Varga PP, Szövérfi Z, **Lazary A**, Gokaslan Z, Fisher C, Boriani S, Dekutoski M, Chou D, Quraishi N, Fehlings M, Rhines L. *Prognostic variables for local recurrence and overall survival after surgical treatment of sacral chordoma – an analysis from AOSpine Tumor Knowledge Forum Primary Spinal Tumor retrospective database.* Global Spine Congress 2015, Buenos Aires, Argentina, May 20-23, 2015.

14. Versteeg AL, **Fisher CG**, Boriani S, Varga PP, Dekutoski MB, Luzzati A, Gokaslan ZL, Williams RP, Reynolds JJ, Fehlings MG, Bettegowda C, Rhines LD. *Chondrosarcomas of the spine: prognostic variables for local recurrence and mortality in a multicenter study.* Global Spine Congress 2015, Buenos Aires, Argentina, May 20-23, 2015.

15. **Zamorano JJ**, Fehlings MG, Nater A, Tetreault L, Varga P, Gokaslan ZL, Boriani S, Fisher CG, Rhines LD, Bettegowda C, Kawahara N, Chou D. *Risk factors for local recurrence after surgical resection of spine schwannomas: retrospective analysis of 169 patients from a multicenter international database.* Global Spine Congress 2015, Buenos Aires, Argentina, May 20-23, 2015.

16. **Lazary A**. *Local recurrence and overall survival after surgical treatment of sacral chordoma – an analysis of prognostic variables from AOSpine Knowledge Forum primary spinal tumor retrospective database.* 11th International Turkish Spine Congress, Cesme, Turkey, April 29-May 3, 2015.

17. **Sewell M**. *Prognostic factors in the operative management of sacral chordomas.* Spine Society of Australia, 26th Annual Scientific Meeting, Canberra, Australia, April 10-12, 2015.

18. **Varga P**, Szövérfi Z, Gokaslan Z, Fisher C, Boriani S, Dekutoski M, Chou D, Quraishi N, Fehlings M, Rhines L. *Surgical treatment of sacral chordoma: prognostic variables for local recurrence and overall survival.* British Association of Spine Surgeons (BASS) 2015, Bath, UK, March 18-20, 2015.

19. **Williams R**, Sowman B, Boriani S, Varga PP, Luzzati A, Gokaslan ZL, Fehlings MG, Fisher CG, Dekutoski MB, Rhines LD, Reynolds J, Bettegowda C, Kawahara N, Quraishi NA. *Spinal osteoid osteoma: a multicenter retrospective cohort study comparison of results with appendicular osteoid osteoma.* British Association of Spine Surgeons (BASS) 2015, Bath, UK, March 18-20, 2015.

20. Boriani S, Lo SL, Puvanesarajah V, Chou D, Fisher CG, Rhines LD, Williams R, Varga PP, **Szövérfi Z**. *Aneurysmal bone cysts of the spine: treatment options and considerations.* EuroSpine 2014, Lyon, France, October 1-3, 2014.

21. Clarke MJ, Varga PP, Rhines LD, Fisher CG, Chou D, **Quraishi NA**, Fehlings MG, Gokaslan ZL, Boriani S. *Primary osteosarcomas of the spine: a multicenter review of 57 surgical cases.* EuroSpine 2014, Lyon, France, October 1-3, 2014.

22. Goldstein CL, Varga PP, Gokaslan ZL, Boriani S, Luzzati A, Rhines LD, Fisher CG, Chou D, **Quraishi NA**, Fehlings MG. *Hemangiomas of the spine: results of surgical management and prognostic variables for local recurrence and mortality in a multicenter study.* EuroSpine 2014, Lyon, France, October 1-3, 2014.

23. **Quraishi NA**, Boriani S, Varga PP, Luzzati A, Gokaslan ZL, Fehlings MG, Fisher CG, Rhines LD, Reynolds JJ, Williams R. *A multicenter retrospective cohort study of spinal osteoid osteomas: surgical treatment and local recurrence results.* EuroSpine 2014, Lyon, France, October 1-3, 2014.

24. Varga P, Macki M, Bydon M, Sciubba DM, Wolinsky JP, Fisher CG, Reynolds JJ, Rhines LD, Chou D, **Szövérfi Z**, Gokaslan ZL. *Long-term outcomes in primary, spinal osteochondroma: a multicenter study of 27 patients*. EuroSpine 2014, Lyon, France, October 1-3, 2014.
25. Varga PP, **Szövérfi Z**, Gokaslan Z, Fisher C, Boriani S, Dekutoski M, Chou D, Quraishi N, Fehlings M, Rhines L. *Prognostic variables for local recurrence and overall survival after surgical treatment of sacral chordoma an analysis from AOSpine Tumor Knowledge Forum primary spinal retrospective database*. EuroSpine 2014, Lyon, France, October 1-3, 2014. ***Nominated for the EuroSpine Full Paper Award***
26. Boriani S, **Lo SL**, Puvanesarajah V, Fisher CG, Rhines LD, Germscheid NM, Chou D, Williams RP, Bettegowda C, Gokaslan ZL. *Aneurysmal bone cysts of the spine: treatment options and considerations*. 27th Annual Meeting of the European Musculo-Skeletal Oncology Society, Vienna, Austria, May 21-23, 2014.
27. **Varga P**, Gokaslan ZL, Sciubba DM, Wolinsky J, Bettegowda C, Luzzati A, Rhines L, Fisher C, Dekutoski M, Boriani S. *Mobile spine chordoma. Results of 168 patients from the AOSpine Primary Tumor Knowledge Forum*. 27th Annual Meeting of the European Musculo-Skeletal Oncology Society, Vienna, Austria, May 21-23, 2014.
28. Varga P, **Szövérfi Z**, Gokaslan Z, Fisher C, Boriani S, Dekutoski M, Chou D, Quraishi N, Fehlings M, Rhines L. *Surgical treatment of sacral chordoma: prognostic variables for local recurrence and overall survival*. 27th Annual Meeting of the European Musculo-Skeletal Oncology Society, Vienna, Austria, May 21-23, 2014.
29. **Varga PP**, Dirks MS, Rhines LD, Boriani S, Luzzati A, Fehlings MG, Fisher CG, Dekutoski MB, Williams RP, Gokaslan ZL. *Ewing's sarcoma of the spine: prognostic variables for recurrence and survival in surgically treated patients*. 27th Annual Meeting of the European Musculo-Skeletal Oncology Society, Vienna, Austria, May 21-23, 2014.
30. **Williams R**, Sowman B, Boriani S, Varga P, Luzzati A, Gokaslan Z, Fehlings M, Fisher C, Dekutoski M, Rhines L, Reynolds J, Bettegowda C, Kawahara N, Quraishi NA. *Spinal osteoid osteoma: a multicentre retrospective cohort study comparison of results with appendicular osteoid osteoma*. Spine Society of Australia, 25th Annual Scientific Meeting, Brisbane, Australia, April 10-12, 2014.
31. **Zadnik P**, Varga P, Bettegowda C, Fisher C, Fehlings M, Quraishi N, Luzzati A, Rhines L, Wolinsky JP, Sciubba D, Dekutoski M, Kawahara N, Boriani S, Gokaslan Z. *Survival and recurrence following resection of chordoma in the mobile spine: results of 171 patients from the AOSpine Primary Tumor Knowledge Forum*. 82nd American Association of Neurological Surgeons (AANS) Annual Scientific Meeting, San Francisco, CA, USA, April 5-9, 2014.
32. **Goldstein C**, Varga P, Gokaslan Z, Boriani S, Luzzati A, Williams R, Rhines L, Fisher C, Chou D, Dekutoski M, Quraishi N, Bettegowda C, Kawahara N, Fehlings M. *Hemangiomas of the spine: results of surgical management and prognostic variables for local recurrence and mortality in a multicenter study*. 30th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Orlando, USA, March 5-8, 2014.
33. **Zadnik P**, Varga P, Bettegowda C, Fisher C, Fehlings M, Quraishi N, Luzzati A, Rhines L, Wolinsky JP, Sciubba D, Dekutoski M, Kawahara N, Boriani S, Gokaslan Z. *Survival and recurrence following resection of chordoma in the mobile spine: results of 171 patients from the AOSpine Primary Tumor Knowledge Forum*. 30th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Orlando, FL, USA, March 5-8, 2014.
34. Fehlings M, **Zamorano JJ**, Nater A, Tetreault L, Varga P, Gokaslan Z, Boriani S, Fisher C, Rhines L, Bettegowda C, Kawahara N, Chou D. *Risk factors for recurrence of surgically treated spine schwannomas: analysis of 169 patients from a multicenter international database*. Combined meeting with the Canadian Spine Society and the New Zealand Spine Society 2014, Lake Louise, AB, Canada, February 25-March 1, 2014.
35. **Fisher C**, Versteeg A, Boriani S, Varga PP, Dekutoski MB, Gokaslan ZL, Williams RP, Reynolds JJ, Fehlings MG, Bettegowda C, Kawahara N, Rhines LD. *Chondrosarcomas of the spine: prognostic variables for local recurrence and mortality in a multicenter study*. Combined meeting with the Canadian Spine Society and the New Zealand Spine Society 2014, Lake Louise, AB, Canada, February 25-March 1, 2014.

36. **Goldstein C**, Varga P, Gokaslan Z, Boriani S, Luzzati A, Williams R, Rhines L, Fisher C, Chou D, Dekutoski M, Quraishi N, Bettegowda C, Kawahara N, Fehlings M. *Hemangiomas of the spine: results of surgical management and prognostic variables for local recurrence and mortality in a multicenter study*. Combined meeting with the Canadian Spine Society and the New Zealand Spine Society 2014, Lake Louise, AB, Canada, February 25-March 1, 2014.
37. Boriani S, Lo SL, Puvanesarajah V, Fisher CG, Varga PP, Rhines LD, Germscheid NM, Luzzati A, Chou D, Reynolds JJ, Williams RP, Zadnik P, Groves M, Sciubba DM, **Bettegowda C**, Gokaslan ZL, AOSpine Knowledge Forum Tumor. *Aneurysmal bone cysts of the spine: treatment options and considerations*. Association for Collaborative Spine Research Meeting (ACSR), San Diego, CA, USA, January 30-February 1, 2014.
38. Fisher CG, Boriani S, Varga PP, Rhines LD, Bilsky MH, Dekutoski MB, Fehlings MG, Reynolds J, Williams R, Chou D, Quraishi NA, Bettegowda C, **Gokaslan ZL**, AOSpine Knowledge Forum Tumor. *The new frontier for research and management of primary tumors of the spine*. Association for Collaborative Spine Research Meeting (ACSR), San Diego, CA, USA, January 30-February 1, 2014.
39. Varga P, Macki M, Bydon M, **Sciubba D**, Wolinsky JP, Boriani S, Bettegowda C, Chou D, Fisher CG, Luzzati A, Reynolds JJ, Germscheid NM, Zadnik P, Rhines LD, Gokaslan ZL, AOSpine Knowledge Forum Tumor. *Long-term outcomes in primary, spinal osteochondroma: a multicenter study of 27 patients*. Association for Collaborative Spine Research Meeting (ACSR), San Diego, CA, USA, January 30-February 1, 2014.
40. **Fisher C**, Boriani S, Varga PP, Fehlings M, Bilsky MH, Dekutoski MB, Williams RP, Berven SH, Chou D, Reynolds J, Quraishi NA, Rhines L, Bettegowda C, Gokaslan ZL. *A novel scientific model for rare and often neglected neoplastic conditions: AOSpine International Knowledge Forum Tumor database for primary tumors of the spine*. North American Spine Society (NASS) 28th Annual Meeting, New Orleans, LA, USA, October 9-12, 2013. ***Nominated for a value-added award—Best of Show***
41. **Reynolds J**, Fisher C, Boriani S, Varga PP, Fehlings M, Bilsky MH, Dekutoski MB, Rhines L, Bettegowda C, Gokaslan ZL. *A novel scientific model for rare and often neglected neoplastic conditions*. EuroSpine 2013, Liverpool, UK, October 2-4, 2013.
42. **Fisher C**, Fehlings M, Bilsky M, Dekutoski M, Luzzati A, Williams R, Berven S, Quraishi N, Rhines L, Bettegowda C, Gokaslan Z. *A novel scientific model for rare and often neglected neoplastic conditions: AOSpine Knowledge Forum Tumor international dataset for primary tumors of the spine*. 20th International Meeting on Advanced Spine Techniques (IMAST), Vancouver, BC, Canada, July 10-13, 2013.
43. Fisher C, Boriani S, **Varga PP**, Fehlings M, Bilsky MH, Dekutoski M, Luzzati A, Williams RP, Berven SH, Chou D, Reynolds JJ, Quraishi N, Rhines LD, Bettegowda C, Gokaslan Z. *A novel evidence based model for rare and often neglected neoplastic conditions*. Third Charité Spine Tumor Days, Berlin, Germany, May 31-June 1, 2013.
44. **Bettegowda C**. *AOSpine Tumor Knowledge Forum biobank*. Fourth International Chordoma Research Workshop, Boston, MA, USA, March 21-22, 2013.
45. Fisher C, **Goldschlager T**, Boriani S, Varga PP, Fehlings MG, Bilsky MH, Dekutoski M, Luzzati A, Williams RP, Berven SH, Chou D, Quraishi N, Rhines LD, Bettegowda C, Gokaslan Z. *A novel scientific model for rare and often neglected neoplastic conditions*. 11th Annual AOSpine North America Fellows Forum, Banff, AB, Canada, March 14-16, 2013. ***Best Paper Award***
46. **Fisher C**, Boriani S, Varga PP, Fehlings M, Bilsky MH, Dekutoski M, Luzzati A, Williams RP, Berven SH, Chou D, Quraishi N, Rhines LD, Bettegowda C, Gokaslan Z. *A novel scientific model for rare and often neglected neoplastic conditions*. 13th Annual Scientific Conference of the Canadian Spine Society, Mont-Tremblant, QC, Canada, February 27-March 2, 2013.

47. Fisher C, Boriani S, Varga PP, Rhines LD, Bilsky MH, Dekutoski MB, Fehlings MG, Reynolds JJ, Williams RP, Chou D, Berven S, Quraishi NA, Bettgowda C, **Gokaslan ZL**. *A novel model for rare and often neglected neoplastic conditions*. Association for Collaborative Spine Research Meeting (ACSR), San Diego, CA, USA, February 15-16, 2013.

Poster Presentations

1. Gokaslan ZL, Zadnik P, **Sciubba DM**, Germscheid N, Goodwin CR, Wolinsky J-P, Bettgowda C, Groves M, Luzzati A, Rhines L, Fisher C, Varga PP, Dekutoski MB, Clarke M, Fehlings MG, Quraishi NA, Chou D, Reynolds JJ, Williams R, Boriani S. *Mobile spine chordoma: results of 166 patients from the AOSpine Knowledge Forum Tumor*. North American Spine Society (NASS) 30th Annual Meeting, Chicago, IL, USA, October 14-17, 2015.
2. **Dekutoski MB**, Boriani S, Rose PS, Clarke MJ, Varga PP, Rhines LD, Fisher CG, Chou D, Quraishi NA, Fehlings MG, Gokaslan ZL. *Enneking appropriate en bloc surgery of osteogenic sarcoma of the spine results in reduced local recurrence and enhanced survival over Enneking inappropriate intralesional surgery*. Scoliosis Research Society (SRS) 49th Annual Meeting & Course, Anchorage, AK, USA, September 10-13, 2014.
3. **Varga P**, Macki M, Bydon M, Sciubba DM, Wolinsky J, Boriani S, Reynolds JJ, Rhines LD, Fisher CG, Gokaslan ZL. *Long-term outcomes in primary spinal osteochondroma: a multicenter center study of 27 patients*. 27th Annual Meeting of the European Musculo-Skeletal Oncology Society, Vienna, Austria, May 21-23, 2014.
4. Fisher CG, Versteeg A, Boriani S, Varga PP, Dekutoski MB, Gokaslan ZL, Williams RP, Reynolds JJ, Fehlings MG, Bettgowda C, Kawahara N, **Rhines LD**. *Chondrosarcomas of the spine: prognostic variables for local recurrence and mortality in a multicenter study*. 82nd American Association of Neurological Surgeons (AANS) Annual Scientific Meeting, San Francisco, CA, USA, April 5-9, 2014.
5. Quraishi N, Boriani S, Varga P, Luzzati A, Gokaslan Z, Fehlings M, Dekutoski M, **Rhines L**, Reynolds J, Bettgowda C, Kawahara N, Williams R. *A multi-center retrospective cohort study of spinal osteoid osteomas: surgical treatment and local recurrence results*. 82nd American Association of Neurological Surgeons (AANS) Annual Scientific Meeting, San Francisco, CA, USA, April 5-9, 2014.
6. Rhines LD, **Dirks MS**, Boriani S, Luzzati A, Fehlings MG, Fisher CG, Dekutoski MB, Williams R, Quraishi NA, Gokaslan ZL, Bettgowda C, Kawahara N, Varga PP. *Ewing's sarcoma of the spine: prognostic variables for recurrence and survival in surgically treated patients*. 82nd American Association of Neurological Surgeons (AANS) Annual Scientific Meeting, San Francisco, CA, USA, April 5-9, 2014.
7. Varga P, Macki M, **Bydon M**, Boriani S, Fisher C, Rhines L, Chou D, Luzzati A, Reynolds J, Kawahara N, Bettgowda C, Sciubba D, Wolinsky J, Gokaslan Z. *Long-term outcomes in primary spinal osteochondroma: a multicenter study of 27 patients*. 82nd American Association of Neurological Surgeons (AANS) Annual Scientific Meeting, San Francisco, CA, USA, April 5-9, 2014.
8. **Zamorano JJ**, Fehlings M, Nater A, Tetreault L, Varga P, Gokaslan Z, Boriani S, Fisher C, Rhines L, Bettgowda C, Kawahara N, Chou D. *Local recurrence risk factors after surgical resection of spine schwannomas: analysis of 169 patients from a multicenter international database*. 82nd American Association of Neurological Surgeons (AANS) Annual Scientific Meeting, San Francisco, CA, USA, April 5-9, 2014.
9. **Quraishi NA**, Boriani S, Varga P, Luzzati A, Gokaslan ZL, Fehlings MG, Fisher C, Dekutoski M, Rhines L, Reynolds J, Bettgowda C, Kawahara N, Williams R. *A multi-center retrospective cohort study of spinal osteoid osteomas: surgical treatment and local re-currence results*. BritSpine, Warwick, UK, April 1-4, 2014.
10. **Lo SL**, Puvanarajah V, Germscheid N, Chou D, Fisher C, Rhines LD, Williams RP, Boriani S, Gokaslan ZL, Bettgowda C. *Aneurysmal bone cysts of the spine: treatment options and considerations*. 30th Annual Meeting of the AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Orlando, FL, USA, March 5-8, 2014.

11. **Zamorano J**, Fehlings M, Nater A, Tetreault L, Varga P, Gokaslan Z, Boriani S, Fisher C, Rhines L, Bettegowda C, Kawahara N, Chou D. *Local recurrence risk factors after surgical resection of spine schwannomas: analysis of 169 patients from a multicenter international database*. Combined meeting with the Canadian Spine Society and the New Zealand Spine Society, Lake Louise, Canada, February 25-March 1, 2014.
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