



Publication List*

V2.3, 27 September 2022

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*This list will be updated annually. For additions or corrections to this list, please contact Spine Tango Project Lead spinetango@eurospine.org

Philosophy and background

1. European spine registry.
Roder C, El-Kerdi A, Grob D, Aebi M. *A Eur Spine J.* 2002 Aug;11(4):303–7.
2. SSE Spine Tango: a European Spine Registry promoted by the Spine Society of Europe (SSE).
Aebi M, Grob D. *Eur Spine J.* 2004;13(8):661–2.
3. Does it take two to tango?
Gunzburg R, Szpalski M, Aebi M. *Eur Spine J.* 2005;14(10):919.
4. SSE Spine Tango - content, workflow, set-up. www.eurospine.org - Spine Tango.
Roder C, Chavanne A, Mannion AF, Grob D, Aebi M. *Eur Spine J.* 2005 Dec;14(10):920–4.
5. The rationale for a spine registry.
Roder C, Muller U, Aebi M. *Eur Spine J.* 2006 Jan;15 Suppl 1:S52-6.
6. Benchmarking with Spine Tango: potentials and pitfalls.
Roder C, Staub L, Dietrich D, Zweig T, Melloh M, Aebi M. *Eur Spine J.* 2009 Aug;18 Suppl 3:305–11.
7. How to Tango: a manual for implementing Spine Tango.
Zweig T, Mannion AF, Grob D, Melloh M, Munting E, Tuschel A, Aebi M, Röder C. *Eur Spine J.* 2009 Aug;18 Suppl 3:312–20.

Publications 2021

1. Patient-rated outcome after atlantoaxial (C1-C2) fusion: more than a decade of evaluation of 2-year outcomes in 126 patients.
Kleinstück FS, Fekete TF, Loibl M, Jeszenszky D, Haschtmann D, Porchet F, Mannion AF. *Eur Spine J.* 2021 Dec;30(12):3620-3630. Doi: 10.1007/s00586-021-06959-1. PMID: 34477947.
2. Development of a model to predict the probability of incurring a complication during spine surgery.
Zehnder P, Held U, Pigott T, Luca A, Loibl M, Reitmeir R, Fekete T, Haschtmann D, Mannion AF. *Eur Spine J.* 2021 May;30(5):1337-1354. Doi: 10.1007/s00586-021-06777-5. PMID: 33686535.
3. Validation of a surgical invasiveness index in patients with lumbar spinal disorders registered in the Spine Tango registry.
Holzer EM, Aghayev E, O’Riordan D, Fekete TF, Jeszenszky DJ, Haschtmann D, Porchet F, Kleinstueck FS, Pigott T, Munting E, Luca A, Mannion AF. *Eur Spine J.* 2021 Jan;30(1):1-12. Doi: 10.1007/s00586-020-06651-w. PMID: 33231779.
4. Primary lumbar decompression using ultrasonic bone curette compared to conventional technique.
Moon RDC, Srikandarajah N, Clark S, Wilby MJ, Pigott TD. *Br J Neurosurg.* 2021 Dec;35(6):775-779. Doi: 10.1080/02688697.2020.1817321. PMID: 32930607.
5. Patient-Reported Outcomes Following Lumbar Decompression Surgery: A Review of 2699 Cases.

Sunderland G, Foster M, Dheerendra S, Pillay R.
Global Spine J. 2021 Mar;11(2):172-179. doi: 10.1177/2192568219896541. PMID: 32875849.

6. Quality of life and mortality after surgical treatment for vertebral osteomyelitis (VO): a prospective study.
Yagdiran A, Otto-Lambertz C, Lingscheid KM, Sircar K, Samel C, Scheyerer MJ, Zarghooni K, Eysel P, Sobottke R, Jung N, Siewe J.
Eur Spine J. 2021 Jun;30(6):1721-1731. doi: 10.1007/s00586-020-06519-z. PMID: 32613398.

Publications 2020

1. Non-medical factors significantly influence the length of hospital stay after surgery for degenerative spine disorders.
Mai D, Brand C, Haschtmann D, Pirvu T, Fekete TF, Mannion AF.
Eur Spine J. 2020 Feb;29(2):203-212.
2. Risk Factors for Negative Global Treatment Outcomes in Lumbar Spinal Stenosis Surgery: A Mixed Effects Model Analysis of Data from an International Spine Registry.
Aghayev E, Mannion AF, Fekete TF, Janssen S, Goodwin K, Zwahlen M, Berlemann U, Lorenz T; Spine Tango Registry Group.
World Neurosurg. 2020 Apr;136:e270-e283.
3. Quality of life and mortality after surgical treatment for vertebral osteomyelitis (VO): a prospective study.
Yagdiran A, Otto-Lambertz C, Lingscheid KM, Sircar K, Samel C, Scheyerer MJ, Zarghooni K, Eysel P, Sobottke R, Jung N, Siewe J.
Eur Spine J. 2020 Jul 1.
4. Patient-Reported Outcomes Following Lumbar Decompression Surgery: A Review of 2699 Cases.
Sunderland G, Foster M, Dheerendra S, Pillay R.
Global Spine J. 2020 Jan 7:2192568219896541.
5. Primary lumbar decompression using ultrasonic bone curette compared to conventional technique.
Moon RDC, Srikandarajah N, Clark S, Wilby MJ, Pigott TD.
Br J Neurosurg. 2020 Sep 15:1-5.

Publications 2019

6. [Derived from the data of the European Spine Register: Spectrum of Spine Surgery in Switzerland]
Aghayev E, Jeszenszky D, Benneker L, Heini P, Maestretti G, Trouillier HP, Külling F, Otten P.
Swiss Med Wkly. 2019;19(49-50):803-807
7. Medium-term outcome of posterior surgery in the treatment of non-tuberculous bacterial spinal infection.
Aljawadi A, Sethi G, Imo E, Arnall F, Choudhry MN, George KJ, Tambe A, Verma R, Yasin MN, Mohammed S, Siddique I. J Orthop. 2019 Jun 19;16(6):569-575.
8. Back Pain and Its Change After Surgery in Adolescents and Young Adults With Idiopathic Scoliosis.
Fekete TF, Mannion AF, Haschtmann D, Loibl M, Kleinstück FS, Jeszenszky DJ. Spine Deform. 2019 Sep;7(5):754-758.

9. Does neck pain as chief complaint influence the outcome of cervical total disc replacement?
Finkenstaedt S, Mannion AF, Fekete TF, Haschtmann D, Kleinstueck FS, Mutter U, Becker HJ, Bellut D, Porchet F. *Eur Spine J.* 2019 Nov 16.
10. Pooling and patient satisfaction in non-instrumented lumbar decompressive surgery.
Halliday J, Holsgrove D. *Br J Neurosurg.* 2019 Feb;33(1):8-11.
11. Non-medical factors significantly influence the length of hospital stay after surgery for degenerative spine disorders.
Mai D, Brand C, Haschtmann D, Pirvu T, Fekete TF, Mannion AF. *Eur Spine J.* 2019 Nov 16.
12. Comparative study of multilevel posterior interbody fusion plus anterior longitudinal ligament release versus classic multilevel posterior interbody fusion in the treatment of adult spinal deformities.
Sabou S, Lagaras A, Verma R, Siddique I, Mohammad S. *J Neurosurg Spine.* 2019 Apr 5:1-7.
13. Concomitant back pain as a predictor of outcome after single level lumbar micro-decompressive surgery - A study of 995 patients.
Sethi G, Aljawadi A, Choudhry MN, Fischer B, Divecha HM, Leach J, Arnall F, Verma R, Yasin N, Mohammad S, Siddique I. *J Orthop.* 2019 Aug 14;16(6):478-482.
14. Surgical training in spine surgery: safety and patient-rated outcome.
Waisbrod G, Mannion AF, Fekete TF, Kleinstueck F, Jeszenszky D, Haschtmann D. *Eur Spine J.* 2019 Apr;28(4):807-816.
15. The clinical and radiological outcomes of multilevel posterior lumbar interbody fusion in the treatment of degenerative scoliosis: a consecutive case series with minimum 2 years follow up.
Sabou S, Carrasco R, Verma R, Siddique I, Mohammad S. *J Spine Surg.* 2019 Dec;5(4):520-528.

Publications 2018

8. Dynamic Posterior Stabilization versus Posterior Lumbar Intervertebral Fusion: A Matched Cohort Study Based on the Spine Tango Registry.
Bieri KS, Goodwin K, Aghayev E, Riesner H-J, Greiner-Perth R. *J Neurol Surg A Cent Eur Neurosurg.* 2018;79(3):224-230.
9. Minimally invasive stabilization of the fractured ankylosed spine: a comparative case series study.
Brooks F, Rackham M, Williams B, Roy D, Lee YC, Selby M. *J spine Surg (Hong Kong).* 2018;4(2):168-172.
10. Shaping conservative spinal services with the Spine Tango Registry.
Morris S, Booth J. *Eur Spine J.* 2018;27(3):543-553.

Publications 2017

11. A novel use of the Spine Tango registry to evaluate selection bias in patient recruitment into clinical studies: an analysis of patients participating in the Lumbar Spinal Stenosis Outcome Study (LSOS).
Becker H-J, Nauer S, Porchet F, Kleinstück FS, Haschtmann D, Fekete TF, et al. *Eur Spine J.* 2017;26(2):441-9.
12. Spine Tango in Turkish: Development of a Local Registry System.

- Borcek AO, Bulduk EB, Civi S, Emmez H, Kaymaz M. Turk Neurosurg. 2017;27(2):237–44.
13. The Oswestry Disability Index, confirmatory factor analysis in a sample of 35,263 verifies a one-factor structure but practicality issues remain.
Gabel CP, Cuesta-Vargas A, Qian M, Vengust R, Berlemann U, Aghayev E, et al. Eur Spine J. 2017;26(8):2007–13.
14. Incidental durotomy in decompression for lumbar spinal stenosis: incidence, risk factors and effect on outcomes in the Spine Tango registry.
Herren C, Sobottke R, Mannion AF, Zweig T, Munting E, Otten P, Pigott T, Siewe J, Aghayev E. Eur Spine J. 2017;
15. Predictors of improvement in quality of life and pain relief in lumbar spinal stenosis relative to patient age: a study based on the Spine Tango registry.
Sobottke R, Herren C, Siewe J, Mannion AF, Roder C, Aghayev E. Eur Spine J. 2017;26(2):462–72.
16. Comparison of peri-operative and 12-month lifestyle outcomes in minimally invasive transforaminal lumbar interbody fusion versus conventional lumbar fusion.
Virdee JS, Nadig A, Anagnostopoulos G, George KJ. Br J Neurosurg. 2017;31(2):167–71.
17. Is the duration of pre-operative conservative treatment associated with the clinical outcome following surgical decompression for lumbar spinal stenosis? A study based on the Spine Tango Registry.
Zweig T, Enke J, Mannion AF, Sobottke R, Melloh M, Freeman BJC, Aghayev E. Eur Spine J. 2017;26(2):488–500.

Publications 2016

18. Non-operative treatment of lumbar spinal stenosis. Technol Heal Care.
Beyer F, Geier F, Bredow J, Oppermann J, Schmidt A, Eysel P, et al. 2016 Jul 27;24(4):551–7.
19. What level of pain are patients happy to live with after surgery for lumbar degenerative disorders?
Fekete TF, Haschtmann D, Kleinstück FS, Porchet F, Jeszszky D, Mannion AF. Spine J. 2016 Apr;16(4):S12–8.
20. Patient-reported outcome of surgical treatment for lumbar spinal epidural lipomatosis.
Ferlic PW, Mannion AF, Jeszszky D, Porchet F, Fekete TF, Kleinstück F, et al. Spine J. 2016;16(11):1333–41.
21. Dynamic posterior stabilization for degenerative lumbar spine disease: a large consecutive case series with long-term follow-up by additional postal survey.
Greiner-Perth R, Sellhast N, Perler G, Dietrich D, Staub LP, Röder C. Eur Spine J. 2016 Aug 30;25(8):2563–70.
22. Adult degenerative scoliosis: comparison of patient-rated outcome after three different surgical treatments.
Kleinstueck FS, Fekete TF, Jeszszky D, Haschtmann D, Mannion AF. Eur Spine J. 2016 Aug 8;25(8):2649–56.
23. Patient- Rated Outcomes of Lumbar Fusion in Patients With Degenerative Disease of the Lumbar Spine: Does Age Matter?
Marbacher S, Mannion AF, Burkhardt J-K, Schär RT, Porchet F, Kleinstück F, et al. Spine (Phila Pa 1976). 2016;41(10):893–900.
24. Spine Tango registry data collection in a conservative spinal service: a feasibility study.

- Morris S, Booth J, Hegarty J. *Eur Spine J.* 2016;25(9):2984–92.
25. Influence of gender on patient-oriented outcomes in spine surgery.
Pochon L, Kleinstück FS, Porchet F, Mannion AF. *Eur Spine J.* 2016 Jan 5;25(1):235–46.
26. Total disc arthroplasty versus anterior cervical interbody fusion: use of the Spine Tango registry to supplement the evidence from randomized control trials.
Staub LP, Ryser C, Röder C, Mannion AF, Jarvik JG, Aebi M, et al. *Spine J.* 2016;16(2):136–45.
27. Determination of the Oswestry Disability Index score equivalent to a “satisfactory symptom state” in patients undergoing surgery for degenerative disorders of the lumbar spine—a Spine Tango registry-based study.
van Hooff ML, Mannion AF, Staub LP, Ostelo RWJG, Fairbank JCT. *Spine J.* 2016;16(10):1221–30.
28. Influence of previous surgery on patient-rated outcome after surgery for degenerative disorders of the lumbar spine.
Zehnder P, Aghayev E, Fekete TF, Haschtmann D, Pigott T, Mannion AF. *Eur Spine J.* 2016;25(8):2553–62.

Publications 2015

29. The Importance of a Registry in Spinal Surgery.
Aghayev E, Roder C, Define H, Herrero C, Aebi M. In: Pinheiro-Franco J, Mayer M, Vaccaro A, Brenzel E, editors. *Advanced Concepts in Lumbar Degenerative Disc Disease.* Springer Science + Business Media; 2015. p. 793– 804.
30. Assessment of outcome in patients undergoing surgery for intradural spinal tumor using the multidimensional patient-rated Core Outcome Measures Index and the modified McCormick Scale.
Bellut D, Burkhardt J-K, Mannion AF, Porchet F. *Neurosurg Focus.* 2015 Aug;39(2):E2.
31. The influence of cervical plate fixation with either autologous bone or cage insertion on radiographic and patient-rated outcomes after two-level anterior cervical discectomy and fusion.
Burkhardt J-K, Mannion AF, Marbacher S, Kleinstück FS, Jeszenszky D, Porchet F. *Eur Spine J.* 2015 Jan;24(1):113–9.
32. Lumbar facet joint effusion on MRI as a sign of unstable degenerative spondylolisthesis: should it influence the treatment decision?
Lattig F, Fekete TF, Kleinstück FS, Porchet F, Jeszenszky D, Mannion AF. *J Spinal Disord Tech.* 2015;28(3):95–100.
33. Spinal fracture reduction with a minimal-invasive transpedicular Schanz Screw system: clinical and radiological one-year follow-up.
Loibl M, Korsun M, Reiss J, Gueorguiev B, Nerlich M, Neumann C, et al. *Injury.* 2015 Oct;46 Suppl 4:S75–82.
34. Could less be more when assessing patient-rated outcome in spinal stenosis?
Mannion AF, Fekete TF, Wertli MM, Mattle M, Nauer S, Kleinstück FS, et al. *Spine (Phila Pa 1976).* 2015;40(10):710–8.
35. Patient outcomes after laminotomy, hemilaminectomy, laminectomy and laminectomy with instrumented fusion for spinal canal stenosis: a propensity score-based study from the Spine Tango registry.
Munting E, Roder C, Sobottke R, Dietrich D, Aghayev E. *Eur Spine J.* 2015 Feb;24(2):358–68.

36. A novel translaminar crossover approach for pathologies in the lumbar hidden zone. Reinshagen C, Ruess D, Molcanyi M, Redjal N, Walcott BP, Goldbrunner R, et al. *J Clin Neurosci Off J Neurosurg Soc Australas.* 2015 Jun;22(6):1030–5.
37. Viscoelastic Disc Arthroplasty Provides Superior Back and Leg Pain Relief in Patients with Lumbar Disc Degeneration Compared to Anterior Lumbar Interbody Fusion. Rischke B, Zimmers KB, Smith E. *Int J Spine Surg.* 2015;9:26.
38. Superior outcomes of decompression with an interlaminar dynamic device versus decompression alone in patients with lumbar spinal stenosis and back pain: a cross registry study. Roder C, Baumgartner B, Berlemann U, Aghayev E. *Eur Spine J.* 2015 Oct;24(10):2228– 35.

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39. Applications of the ultrasonic bone cutter in spinal surgery--our preliminary experience. Al-Mahfoudh R, Qattan E, Ellenbogen JR, Wilby M, Barrett C, Pigott T. *Br J Neurosurg.* 2014 Jan;28(1):56–60.
40. Back pain in patients with degenerative spine disease and intradural spinal tumor: what to treat? when to treat? Bellut D, Mutter UM, Sutter M, Eggspuehler A, Mannion AF, Porchet F. *Eur Spine J.* 2014 Apr;23(4):821–9.
41. The influence of comorbidity on the risks and benefits of spine surgery for degenerative lumbar disorders. Mannion AF, Fekete TF, Porchet F, Haschtmann D, Jeszenszky D, Kleinstuck FS. *Eur Spine J.* 2014 Apr;23 Suppl 1:S66-71.
42. Validity of a single-item measure to assess leg or back pain as the predominant symptom in patients with degenerative disorders of the lumbar spine. Mannion AF, Mutter UM, Fekete TF, Porchet F, Jeszenszky D, Kleinstück FS. *Eur Spine J.* 2014 Apr;23(4):882–7.
43. Do surgeon credentials affect the rate of incidental durotomy during spine surgery. Murray NJ, Demetriades AK, Rolton D, Nnadi C. *Eur Spine J.* 2014 Aug;23(8):1767–71.

Publications 2013

44. A comparative effectiveness study of patient-rated and radiographic outcome after 2 types of decompression with fusion for spondylotic myelopathy: anterior cervical discectomy versus corpectomy. Burkhardt J-K, Mannion AF, Marbacher S, Dolp PA, Fekete TF, Jeszenszky D, et al. *Neurosurg Focus.* 2013;35(1):E4.
45. The assessment of complications after spine surgery: time for a paradigm shift? Mannion AF, Fekete TF, O 'riordan D, Porchet F, Mutter UM, Jeszenszky DO, et al. *Spine J.* 2013;13:615–24.
46. Cross-cultural adaptation and validation of the Polish version of the core outcome measures index for low back pain. Miekisiak G, Kollataj M, Dobrogowski J, Kloc W, Libionka W, Banach M, et al. *Eur Spine J.* 2013;22(5):995–1001.
47. Spine Tango annual report 2012.

Neukamp M, Perler G, Pigott T, Munting E, Aebi M, Roder C. *Eur Spine J.* 2013 Sep;22 Suppl 5:767–86.

Publications 2012

48. Comparative effectiveness research across two spine registries.
Aghayev E, Henning J, Munting E, Diel P, Moulin P, Roder C. *Eur Spine J.* 2012 Aug;21(8):1640–7.
49. Reliability and validity of the cross-culturally adapted French version of the Core Outcome Measures Index (COMI) in patients with low back pain.
Genevay S, Cedraschi C, Marty M, Rozenberg S, De Goumoëns P, Faundez A, et al. *Eur Spine J.* 2012;21(1):130–7.
50. Validity and responsiveness of the Core Outcome Measures Index (COMI) for the neck.
Fankhauser CD, Mutter U, Aghayev E, Mannion AF. *Eur Spine J.* 2012 Jan 20;21(1):101–14.
51. Reliability and validity of the cross-culturally adapted Italian version of the Core Outcome Measures Index.
Mannion AF, Boneschi M, Teli M, Luca A, Zaina F, Negrini S, et al. *Eur Spine J.* 2012 Aug;21 Suppl 6:S737-49.
52. Hospital for joint diseases participates in international spine registry Spine Tango after successful pilot study.
Roder C, Errico TJ, Spivak JM, Murray M, Protopsaltis T, Lis A, et al. *Bull NYU Hosp Jt Dis.* 2012;70(4):254–8.
53. Predictors of surgical, general and follow-up complications in lumbar spinal stenosis relative to patient age as emerged from the Spine Tango Registry.
Sobottke R, Aghayev E, Röder C, Peer E, Delank SK, Zweig T. *Eur Spine J.* 2012;21:411–7.

Publications before 2012

54. A prospective, cohort study comparing translaminar screw fixation with transforaminal lumbar interbody fusion and pedicle screw fixation for fusion of the degenerative lumbar spine.
Grob D, Bartanusz V, Jeszenszky D, Kleinstück FS, Lattig F, O’Riordan D, et al. *J Bone Jt Surg (Br).* 2009 Oct 1;91(10):1347–53.
55. An observational study of patient-rated outcome after atlantoaxial fusion in patients with rheumatoid arthritis and osteoarthritis.
Grob D, Luca A, Mannion AF. *Clin Orthop Relat Res.* 2011 Mar;469(3):702–7.
56. The patient’s perspective on complications after spine surgery.
Grob D, Mannion AF. *Eur Spine J.* 2009 Aug;18 Suppl 3:380–5.
57. A comparison of outcomes of cervical disc arthroplasty and fusion in everyday clinical practice: surgical and methodological aspects.
Grob D, Porchet F, Kleinstuck FS, Lattig F, Jeszenszky D, Luca A, et al. *Eur Spine J.* 2010 Feb;19(2):297–306.
58. Development of a documentation instrument for the conservative treatment of spinal disorders in the International Spine Registry, Spine Tango.
Kessler JT, Melloh M, Zweig T, Aghayev E, Roder C. *Eur Spine J.* 2011 Mar;20(3):369–79.
59. The outcome of decompression surgery for lumbar herniated disc is influenced by the level

of concomitant preoperative low back pain.

Kleinstueck FS, Fekete T, Jeszenszky D, Mannion AF, Grob D, Lattig F, et al. *Eur Spine J.* 2011 Jul;20(7):1166–73.

60. The influence of preoperative back pain on the outcome of lumbar decompression surgery. Kleinstueck FS, Grob D, Lattig F, Bartanusz V, Porchet F, Jeszenszky D, et al. *Spine (Phila Pa 1976).* 2009 May;34(11):1198–203.
61. Ratings of global outcome at the first post-operative assessment after spinal surgery: how often do the surgeon and patient agree? Lattig F, Grob D, Kleinstueck FS, Porchet F, Jeszenszky D, Bartanusz V, et al. *Eur Spine J.* 2009 Aug;18 Suppl 3:386–94.
62. Outcome assessment in low back pain: how low can you go? Mannion AF, Elfering A, Staerkle R, Junge A, Grob D, Semmer NK, et al. *Eur Spine J.* 2005;14(10):1014–26.
63. The international spine registry SPINE TANGO: status quo and first results. Melloh M, Staub L, Aghayev E, Zweig T, Barz T, Theis J-C, et al. *Eur Spine J.* 2008;17:1201–9.
64. Microdiscectomy compared with standard discectomy: an old problem revisited with new outcome measures within the framework of a spine surgical registry. Porchet F, Bartanusz V, Kleinstueck FS, Lattig F, Jeszenszky D, Grob D, et al. *Eur Spine J.* 2009 Aug 3;18 Suppl 3(S3):360–6.
65. [Spinal surgery in the elderly: does age have an influence on the complication rate?]. Sobottke R, Csecsei G, Kaulhausen T, Delank S, Franklin J, Aghayev E, et al. *Orthopade.* 2008 Apr;37(4):367–73.

COMI

66. Outcome measures for low back pain research. A proposal for standardized use. Deyo RA, Battie M, Beurskens AJ, Bombardier C, Croft P, Koes B, et al. *Spine (Phila Pa 1976).* 1998;23(18):2003–13.
67. Validation of a Minimum Outcome Core Set in the Evaluation of Patients With Back Pain. Ferrer M, Pellisé F, Escudero O, Alvarez L, Pont A, Alonso J, et al. *Spine (Phila Pa 1976).* 2006;31(12):1372–9.