Publications in PEER REVIEWED Journals

**T. Zweig, YH Yau, C. Roeder, BJC Freeman**

Influence of previous conservative treatment interval on outcomes following decompressive surgery for lumbar disc herniation
(submitted to Spine, May 2013)

**Zweig T, Hemmeler C, Aghayev E, Melloh M, Etter C, Röder C.**

Influence of preoperative nucleus pulposus status and radiculopathy on outcomes in mono-segmental lumbar total disc replacement: results from a nationwide registry.
BMC Musculoskelet Disord. 2011 Dec 2;12:275

Sobottke R, Aghayev E, Röder C, Eysel P, Delank SK, **Zweig T.**

Predictors of surgical, general and follow-up complications in lumbar spinal stenosis relative to patient age as emerged from the Spine Tango Registry.
Eur Spine J. 2012 Mar;21(3):411-7

**Zweig T, Aghayev E, Melloh M, Dietrich D, Röder C.**

Influence of preoperative leg pain and radiculopathy on outcomes in mono-segmental lumbar total disc replacement: results from a nationwide registry.

Melloh M, Röder C, Staub LP, **Zweig T**, Barz T, Theis JC, Müller U.

Randomized-controlled trials for surgical implants: are registries an alternative?

Schluessmann E, Aghayev E, Staub L, Moulin P, **Zweig T**, Röder C.

SWISSspine: The Case of a Governmentally Required HTA-Registry for Total Disc Arthroplasty: Results of Cervical Disc Prostheses.

Sobottke R, Siewe J, Hokema J, Schlegel U, **Zweig T**, Eysel P.

Scoliosis surgery: correction not correlated with instrumentation, quality of life not correlated with correction or instrumentation.

Aghayev E, Röder C, **Zweig T**, Etter C, Schwarzenbach O.

Benchmarking in the SWISSspine Registry: results of 52 Dynardi lumbar total disc replacements compared with the data pool of 431 other lumbar disc prostheses.

Kessler JT, Melloh M, **Zweig T**, Aghayev E, Röder C.

Development of a documentation instrument for the conservative treatment of spinal disorders in the International Spine Registry, Spine Tango.


Arch Orthop Trauma Surg. 2010 Sep;130(9):1083-91.


BOOK CHAPTERS

T. Zweig

REVIEWS AND REPORTS

T. Zweig
SWISSspine, 5 years of experience with a national HTA-registry, 2 year outcome in lumbar TDR, Jatros - Orthopaedics and Rheumatology (german) 4/2010, p 22
C. Röder, M. Neukamp, T. Zweig, G. Perler, M. Melloh, E. Munting, M. Aebi
Spine Tango Report Germany - 2009
MEM center printing, Berne, Switzerland, Nov. 2010

M. Aebi, T Zweig
Vertebraloplasty offers no clear advantages over placebo treatment in two new studies?
Orthopaedics Today Europe 2009; 12:1

T Zweig
Previous surgery may negatively affect lumbar stenosis results. An analysis of Spine Tango registry data found the operated level can impact postoperative success.
Orthopaedics Today Europe 2009; 12:21

C Röder, M Neukamp, G Perler, M Melloh, T Zweig, E Munting, M Aebi,

T. Zweig, E Aghayev, M Melloh, C Röder, M Aebi


Melloh M, Aghayev E, Staub L, Zweig T, Barz T, Rieger P, Theis JC, Roeder C.

T. Zweig,

K. Paya, T. Zweig, W. Rebhandl, E. Horcher

Scientific awards

Best Poster Presentation 2008, Spine Society of Australia
The diagnostic value of a treadmill test in predicting lumbar canal stenosis
M. Melloh, T. Barz, L. Staub, E. Aghayev, C. Röder, T. Zweig, JC Theis

Best Poster Presentation 2009, German Spine Society (DWG)
Spinal surgery in the elderly: Risk of operative therapy for lumbar spinal stenosis (LSS) relative to patient age
PODIUM PRESENTATIONS, POSTERS, INVITED LECTURES

Zweig T, K Paya, W Rebhandl, E Horcher.

Zweig T

Barz T, Reiger P, Staub L, Aghayev E, Roeder C, Zweig T, Theis J.

M Melloh, E Aghayev, L Staub, T Zweig, T Barz, P Rieger, JC Theis, C Roeder.

E Aghayev, M Melloh, L Staub, T Zweig, T Barz, P Rieger, JC Theis, C Roeder.

Sobottke R, Csécsei G., Kaulhausen T, Delank KS, Aghayev E, Zweig T, Eysel P

Zweig T, E Schluessmann, LP Staub, E Aghayev, P Moulin, M Aebi, C Röder.

T Zweig, E Schluessmann, LP Staub, E Aghayev, P Moulin, M Aebi, C Röder.
Clinical results in cervical Total Disc Replacement (TDR) – 557 implants in a Swiss-spinal HTA registry. SICOT/SIROT Triennial World Congress, Hong Kong, 24. – 28. Aug. 2008 (podium)

E Aghayev, M Melloh, T Zweig, L Staub, T Barz, P Rieger, JC Theis, C Roeder.
Co-variates of referral for rehabilitation after posterior lumbar fusion. SICOT/SIROT Triennial World Congress, Hong Kong, 24. – 28. Aug. 2008 (podium)

M Melloh, T Zweig, L Staub, E Aghayev, T Barz, P Rieger, JC Theis, C Roeder.

The diagnostic value of a treadmill test in predicting lumbar spinal stenosis. SICOT/SIROT Triennial World Congress, Hong Kong, 24. – 28. Aug. 2008 (podium)

Melloh M, Zweig T, Staub L, Aghayev E, Barz T, Rieger P, Theis JC, Roeder C.


Zweig T


Melloh M, Barz T, Aghayev E, Zweig T, Theis JC. *Comparison of cervical disc replacement and fusion of adjacent segments vs. disc replacement alone.* NZOA Annual Scientific Meeting, Hastings, NZ, 19. – 22. Okt. 2008 (podium)


Zweig T, Aebi M. Wirbelsäulenregister der EuroSpine, Nutzen und Chancen für die Wirbelsäulen- und Alterschirurgie. 3. Alterstrauma-Kongress der DGU, Münster, 3-4 April 2009 (invited lecture)

Zweig T

Melloh M, Lange J, Röder C, Zweig T, Theis JC, Barz T.


C. Etter, T. Zweig, C. Röder, O. Schwarzenbach, E. Aghayev
Benchmarking in the SWISSspine registry – Results of 44 Dynardi Lumbar Disc Prostheses compared to the Pooled Data. 9th Annual SAS Global Symposium on Motion Preservation Technology, 28 April-1 May 2009, London, England (poster)
Zweig T
Medical registries: A tool for clinical evaluation for medical devices
Medical Device Clinical Congress (MDCC), Köln, 29 April 2009 (invited lecture)

Zweig T, Aghayev E, Melloh M, Röder C.
Physician- vs. patient based outcome after posterior lumbar fusion in the Spine Tango Registry.
International Society for the Study of the Lumbar Spine (ISSLS) 36th Annual Meeting, Miami/Florida, USA, 4-8 May 2009 (podium)

Zweig T, Aghayev E, Melloh M, Sobottke R, Galbusera F, Aebi M, Röder C.
An analysis of the surgical treatment of lumbar spinal stenosis (LSS) – Procedures, outcomes, influential factors.
International Society for the Study of the Lumbar Spine (ISSLS) 36th Annual Meeting, Miami/Florida, USA, 4-8 May 2009 (podium)

How risky is spinal surgery in the elderly?
International Society for the Study of the Lumbar Spine (ISSLS) 36th Annual Meeting, Miami/Florida, USA, 4-8 May 2009 (podium)

Zweig T, Aghayev E, Melloh M, Sobottke R, Galbusera F, Aebi M, Röder C.
Predictors of dura lesions in posterior lumbar fusion – A study based on data of the International Spine Tango Registry.
International Society for the Study of the Lumbar Spine (ISSLS) 36th Annual Meeting, Miami/Florida, USA, 4-8 May 2009 (special poster presentation)

Zweig T, Aghayev E, Melloh M, Sobottke R, Aebi M, Röder C.
A prospective cohort study of 371 patients treated with monosegmental lumbar total disc replacements: Outcome comparison of 4 groups with different status of nucleus pulposus and sciatica.
International Society for the Study of the Lumbar Spine (ISSLS) 36th Annual Meeting, Miami/Florida, USA, 4-8 May 2009 (poster)

Röder C, Schluessmann E, Aghayev E, Zweig T, Moulin P.
The Swiss Spine Registry: A nationwide multicenter study for health technology assessment of lumbar disc prosthesis.
International Society for the Study of the Lumbar Spine (ISSLS) 36th Annual Meeting, Miami/Florida, USA, 4-8 May 2009 (special poster presentation)

Melloh M, Aghayev E, Staub L, Zweig T, Barz T, Theiss JC.
Predictive factors for in physician based outcomes after posterior lumbar fusion.
International Society for the Study of the Lumbar Spine (ISSLS) 36th Annual Meeting, Miami/Florida, USA, 4-8 May 2009 (poster)

Melloh M, Staub L, Röder C, Aghayev E, Zweig T, Theis JC.
Co-variates of length of hospital stay in posterior spinal fusion.
International Society for the Study of the Lumbar Spine (ISSLS) 36th Annual Meeting, Miami/Florida, USA, 4-8 May 2009 (special poster presentation)

Melloh M, Staub L, Röder C, Aghayev E, Zweig T, Theis JC.
Benchmarking in spinal surgery.
International Society for the Study of the Lumbar Spine (ISSLS) 36th Annual Meeting, Miami/Florida, USA, 4-8 May 2009 (poster)
Melloh M, Staub L, Röder C, Aghayev E, Zweig T, Theis JC.
Challenges in establishing an interantional spine registry.
International Society for the Study of the Lumbar Spine (ISSLS) 36th Annual Meeting, Miami/Florida, USA, 4-8 May 2009 (special poster presentation)

Zweig T, Aebi M, Aghayev E, Domanja S, Melloh M, Röder C.
Predictors of dural tears in posterior spinal fusion in the lumbar spine - an analysis based on data of spine tango.
EFORT, 10th Congress, Vienna, Austria, 3-6 June 2009 (podium)

Zweig T, Aebi M, Aghayev E, Moulin P, Röder C.
Comparison of outcomes in mono segmental lumbar Total Disc Replacement regarding preoperative nucleus pulposus status, herniated/non herniated and sciatica - data analysis of 358 patients from an observational multi center study, SWISSspine.
EFORT, 10th Congress, Vienna, Austria, 3-6 June 2009 (podium)

Aghayev E, Zweig T, Moulin P, Röder C.
Clinical results and influence of comorbidity in lumbar Total Disc Replacement measured in a mandatory registry - SWISSspine: 427 interventions - 497 Implants.
EFORT, 10th Congress, Vienna, Austria, 3-6 June 2009 (podium)

Aghayev E, Zweig T, Aebi M, Aghayev E, Melloh M, Staub L, Röder C.
Evaluative comparison of patient based versus physician based outcome in posterior lumbar fusion - an analysis based on the “Spine Tango” registry.
EFORT, 10th Congress, Vienna, Austria, 3-6 June 2009 (podium)

Aghayev E, Schluessmann E, Zweig T, Staub L, Aebi M, Roeder C.
SWISSspine: governmentally mandated HTA-registry for total disc arthroplasty. Methodology and results of 825 cervical disc prostheses in 719 patients.
EFORT, 10th Congress, Vienna, Austria, 3-6 June 2009 (e-poster)

Zweig T, Aghayev E, Moulin P, Röder C
Comparison of outcomes in mono segmental lumbar total disc replacement regarding preoperative nucleus pulposus status, herniated/non herniated and sciatica- data analysis of 358 patients from an observational multi center study.
69. Jahreskongress der SGO, Basel, 24–26 June 2009 (podium)

Zweig T, Aghayev E, Melloh M, Sobottke R, Aebi M, Roeder C.
Comparison of physician based vs patient based outcome after posterior lumbar fusion.
EuroSpine 2009, Warsaw, Poland, 21-24 October 2009 (podium)

Zweig T, Aghayev E, Melloh, Domanja S, Sobottke R, Aebi M, Roeder C.
Predictors of dura lesions in posterior fusion of the lumbar spine - a study based on data of international „Spine Tango“ registry.
EuroSpine 2009, Warsaw, Poland, 21-24 October 2009 (poster)

Zweig T, Aghayev E, Sobottke R, Melloh M, Moulin P, Swiss S, Aebi M, Roeder C.
Patients with disc hernia and/or radiculopathy have similar pain alleviation after lumbar total disc replacement than those with the classic indication.
EuroSpine 2009, Warsaw, Poland, 21-24 October 2009 (special poster presentation)
**Spinal surgery in the elderly: Risk of operative therapy for lumbar spinal stenosis (LSS) relative to patient age.**
4th German Spine Conference, Annual Meeting of the German Spine Society, 10-12 December 2009, Munich, Germany (poster)

T. Zweig, E. Aghayev, M. Melloh, R. Sobottke, M. Aebi, C. Röder
**Evaluative comparison of patient based versus physician based outcome in posterior lumbar fusion.**
4th German Spine Conference, Annual Meeting of the German Spine Society, 10-12 December 2009, Munich, Germany (poster)

T. Zweig, E. Aghayev, R. Sobottke, M. Melloh, M. Aebi, C. Röder
**An analysis of the surgical treatment of lumbar spinal stenosis (LSS) – procedures, outcomes, influential factors – a prospective study of 1348 patients in a spine registry.**
4th German Spine Conference, Annual Meeting of the German Spine Society, 10-12 December 2009, Munich, Germany (poster)

Zweig T
**Spine Tango – function and contents of registry.**
Spine Tango Workshop at the Annual Meeting of the German Spine Society, 10 Dec. 2009, Munich, Germany (invited lecture)

Zweig T, Aghayev E, Aebi M, Roeder C.
**Comparison of physician-based vs patient-based outcome after posterior lumbar fusion.**
AAOS 2010, New Orleans, USA, 9-13 March 2010 (poster)
Zweig T
**How to Tango – more than an instruction.**
Annual Congress of VSOU, Baden-Baden, Germany, 2 May 2010 (invited lecture)

R. Sobottke, E. Aghayev, C. Röder, P. Eysel, S. Delank, T. Zweig
**Risk for surgical, general and follow-up complications in lumbar spinal stenosis relative to patient age.**
11th Congress EFORT, Madrid, Spain, 2-5 June 2010 (podium)

**First clinical experiences with „topping off“**
11th Congress EFORT, Madrid, Spain, 2-5 June 2010 (poster)

Zweig T, Aghayev M, Moulin P, Orler R, Aebi M, Röder C.
**5 years of experience with the SWISSspine Registry. Update and midterm results of Lumbar Total Disc Arthroplasty (TDA).**
70th annual meeting of the Swiss Orthopaedic Society (SGO), St. Gallen, Switzerland, 30 June – 2 July 2010 (podium)

Zweig T
**Lumbar Total Disc Arthroplasty: 5 years of experience with a national mandatory registry.**
Swiss-Japanese Minisymposium on Disc and Spine Research, University of Zurich, Switzerland, 6 Sep. 2010 (podium)

Zweig T
**TKA – 5,000,000 per year worldwide. Indication, Technique, Outcome of Total Knee Arthroplasty.**
2nd Orthopaedic Symposium, Spital Schwyz, Switzerland, 9 Sep. 2010 (podium)
Zweig T

Osteoarthritis of the Knee – Genesis and the conservative therapy of Knee-OA.
2nd Orthopaedic Symposium, Spital Schwyz, Switzerland, 9 Sep. 2010 (podium)

Zweig T, Aghayev E, Moulin P, Orler R, Aebi M, Roeder C.
5 Years of Experience with a National Mandatory Registry: Midterm Results in 638 Patients with 734 Lumbar Total Disc Arthroplasties (TDA).
EuroSpine 2010, Vienna, Austria, 15-17 Sep. 2010 (podium)

Zweig T

Pro Vertebroplasty.
4th Symposium for Internal Medicine, Spital Schwyz, Switzerland, 28 Oct. 2010 (invited, podium)

Melloh M, Kessler JT, Zweig T, Aghayev E, Theis JC, Röder C.
Development of a documentation instrument for the conservative treatment of spinal disorders and low back pain within the framework of an international spine registry. 7th Interdisciplinary World Congress on Low Back & Pelvic Pain, Los Angeles, 9-12 Nov. 2010 (podium)

Topping off – Indications and Outcomes.
5th German Spine Conference, Annual Meeting of the German Spine Society, 11-12 Dec. 2010, Bremen, Germany (poster)

Zweig T, Aghayev E, Melloh M, Röder C.
Influence of preoperative leg pain and radiculopathy on outcomes in mono-segmental lumbar total disc replacement: results from a nationwide registry.
6th German Spine Conference, Annual Meeting of the German Spine Society (DWG), 8-10 Dec. 2011, Hamburg, Germany (podium)

T. Zweig, YH Yau, BJC Freeman, M. Melloh, E. Aghayev, C. Röder
Influence of previous conservative treatment interval on outcomes following decompressiv surgery for lumbar disc herniation.
24th Annual Scientific Meeting, Spine Society of Australia, 19-21 Apr. 2013, Perth, Australia (podium)

M. Melloh, A. Käser, T. Zweig, A. Elfering
Relationship between depression and acute low back pain at first medical consultation, 3 and 6 weeks of primary care.
24th Annual Scientific Meeting, Spine Society of Australia, 19-21 Apr. 2013, Perth, Australia (podium)

T. Zweig, Y.H. Yau, BJC Freeman, M. Melloh, E. Aghayev, C. Röder
Influence of previous conservative treatment interval on outcomes following decompressive surgery for lumbar disc herniation
EuroSpine 2013, Annual Meeting, 2-4 Oct. 2013, Liverpool, GB (podium)

T. Zweig
Orthopaedic Treatment of Spinal Metastasis, surgical vs. conservative
Medical University Oncology and Haematology, KSA, Aarau, Switzerland, 28. Mar. 2014 (Invited lecture)