



Svante Berg
Associate Professor. Md, PhD

Born in Stockholm, Sweden: 5 May 1953

Curriculum Vitae

January 1978	Examined from Medical School, Karolinska Institutet
1978 – 1979	Inturn to be Diplomated Physician (different hospitals in Stockholm)
From 1980	Resident/Fellow orthopedic surgery Central Hospital, Eskilstuna
1984	Specialist in orthopedic surgery. Work at Spine dep. Neurosurgical Section, Akademiska Hospital, Uppsala approx. 1 year
1984 – 1987	Head of spine surgery. Orthopedic clinic Central Hospital, Eskilstuna
1987 – 1992	Second Chief at Spine Surgical Clinic, Strängnäs
1993 – 2002	Head of Spine Surgical Clinic, Elisabeth Hospital, Uppsala
2002 – present	Consultant and head of Spine Mobility Section, Stockholm Spine Center
2013 – present	vCEO of Stockholm Spine center
2018	Disputation for PhD 26/3 -10. Linköping Health University. "On Total Disc Replacement" Associate Professor Karolinska Institute

Published articles

1. Pressure microsensor system using a closed-loop configuration (on measuring disc pressure with a new technique). B.Hök, L Tenerz, S.Berg and A. Bluckert.
Sensors and Actuators A: 1994;41-42:78-81

I have been one of the leading and most active members in **the Swedish Lumbar Spine Study Group**. This group have together performed a Randomized controlled multicenter trial comparing fusion of the lumbar spine to controls receiving conservative treatment in patients with chronic low back pain. We have in close cooperation produced 12 published articles, where I have been an active part in this process for all the articles:

2. 2001 Volvo Award Winner in Clinical Studies: Lumbar Fusion Versus Nonsurgical Treatment for Chronic Low Back Pain. A Multicenter Randomized Controlled Trial from **the Swedish Lumbar Spine Study Group**. Peter Fritzell, Olle Hägg, Per Westberg, Anders Nordwall and the Swedish Lumbar Spine Study Group.
Spine 2001;26:2521-2534
3. Chronic Low Back Pain and Fusion. A comparison of Three Surgical Techniques. A Prospective Multicenter Randomized Study from **the Swedish Lumbar Spine Study Group**. Peter Fritzell, Olle Hägg, Per Westberg, Anders Nordwall and the Swedish Lumbar Spine Study Group.
Spine 2002;27:1131-1141
4. Simplifying Outcome Measurement Evaluation of Instruments for Measuring Outcome after Fusion Surgery for Chronic Low Back Pain. Olle Hägg, Peter Fritzell, Anders Odén, Anders Nordwall and **the Swedish Lumbar Spine Study Group**.
Spine 2002;27:1214-1222.
5. Characteristics of patients with chronic low back pain selected for surgery. A comparison with the general population reported from the Swedish lumbar spine study. Olle Hägg, Peter Fritzell, Anders Nordwall and **the Swedish Lumbar Spine Study Group**.
Spine 2002;27:1223-1231
6. Quality of Life in Chronic Low Back Pain. A comparison with Fibromyalgia and the General Population. Olle Hägg, Carol Burckhardt, Peter Fritzell, Anders Nordwall and **the Swedish Lumbar Spine Study Group**.
J Musculoskeletal Pain 2003;11:31-38.

7. Pain-drawing does not predict the outcome of fusion surgery for chronic low-back pain. A report from the Swedish Lumbar Spine Study. O Hägg, P Fritzell, R Hedlund, H Möller, L Ekselius, A Nordwall and **the Swedish Lumbar Spine Study Group**.
Eur Spine J (2003) 12: 2-11.
8. The clinical importance of changes in outcome scores after treatment for chronic low back pain. O Hägg, P Fritzell, A Nordwall and **the Swedish Lumbar Spine Study Group**.
Eur Spine J (2003) 12: 12-20.
9. Predictors of outcome in fusion surgery for chronic low back pain. A report from the Swedish Lumbar Spine Study. O Hägg, P Fritzell, L Ekselius, A Nordwall and **the Swedish Lumbar Spine Study Group**.
Eur Spine J (2003) 12: 22-33
10. Complications in lumbar fusion surgery for chronic low back pain: Comparison of three surgical techniques used in a prospective randomized study. A report from the Swedish Lumbar Spine Study. Peter Fritzell, Olle Hägg, Anders Nordwall and **the Swedish Lumbar Spine Study Group**.
Eur Spine J (2003) 12:178-189.
11. Cost Effectiveness of Lumbar Fusion and Nonsurgical Treatment for Chronic Low Back Pain in the Swedish Lumbar Spine Study. A Multicenter, Randomized, Controlled Trial From the Swedish Lumbar Spine Study Group. Peter Fritzell, Olle Hägg, Dick Jonsson, Anders Nordwall and **the Swedish Lumbar Spine Study Group**.
Spine 2004;29:421-434.
12. Sexual function in men and women after anterior surgery for chronic low back pain. Hägg O, Fritzell P, Nordwall A; **The Swedish Lumbar Spine Study Group**.
Eur Spine Journal 2006; 15:677-682.
13. Total disc replacement compared to lumbar fusion: a randomised controlled trial with 2-year follow-up. Berg S, Tullberg T, Branth B, Olerud C, Tropp H.
Eur Spine J (2009) 18:1512-1519
14. Sex life and sexual function in men and women before and after total disc replacement compared to posterior lumbar fusion. Berg S, Fritzell P, Tropp H.
The Spine Journal 9 (2009) 987-994
15. Results from a Randomized Controlled Study between TDR and fusion compared to results from a spine register. Berg S, Tropp H.

SAS Journal 4 (2010) 68-74.

16. Disc height and motion patterns in the lumbar spine in patients operated with total disc replacement or fusion for discogenic back pain. Results from a randomized controlled trial. Svante Berg, Hans Tropp and Gunnar Leivseth.
The Spine Journal 11 (2011) 991-998.
17. A Full Economic Evaluation of Disc Prosthesis vs. Lumbar Fusion in Patients with Chronic Low Back Pain –a Randomized Controlled Trial with a Two-Year Follow Up. Peter Fritzell, Svante Berg, Fredrik Borgström, Tycho Tullberg, Hans Tropp.
The Spine Journal 01/2010; 10(9):S37–S38.
18. On Total Disc Replacement. Svante Berg.
Acta Orthopaedica Scandinavica, February 2011, Vol. 82, Supplement 343.
19. The Impact of Discography on the Surgical Decision in Patients with Chronic Low Back Pain. Svante Berg, Bengt Isberg, Anna Josephson, Mårten Fällman.
The Spine Journal 12 (2012) 283-291.
20. Cost effectiveness of disc prosthesis versus lumbar fusion in patients with chronic low back pain: randomized controlled trial with 2-year follow-up. Peter Fritzell, Svante Berg, Fredrik Borgström et al.
European Spine Journal 11/2010; 20(7):1001-11.
21. Strategies towards injectable, load-bearing materials for the intervertebral disc – a review and outlook. Cecilia Persson, Svante Berg
Journal of Material Sciences: Materials in Medicine 09 (2012) 2-32.
22. X-stop versus decompressive surgery for lumbar neurogenic intermittent claudication– A randomized controlled trial with 2 years follow-up. B Strömquist, S Berg, P Gerdhem et al.
Spine 17 (2013) 1436-42.
23. Assessment of 3D movements in lumbar facet joints and segmental rotation of vertebrae with a new method in patients before and after TDR. P Svedmark, S Berg, M. E. Noz , G. Q. Maguire Jr., M. P. Zeleznik, L. Weidenhielm, G. Nemeth , H. Olivecrona.
BioMed Research International 2015, 260703, doi.org/10.1155/2015/260703
24. Maintenance of Disc Height and Lordosis when Performing a New Technique in Instrumented Lumbar Posterolateral Fusion. -Results from a consecutive prospective study. S. Berg, P. Dahlemer Sterner

J Spine 2013 S2: 004. doi:10.4172/2165-7939.S2-004

25. Retrospective analysis of adverse reactions to metal-on-metal lumbar disc arthroplasties in 378 consecutive patients. S. Berg, N. Jansen.
SA Orthopaedic Journal 13(2014); 4: 19-25.
26. Five-year follow up of total disc replacement compared to fusion: a randomised controlled trial.
Caroline Sköld , Hans Tropp, Svante Berg
European Spine Journal 2013, Volume 22, Issue 10, pp 2288-2295
27. Transthyretin-derived amyloidosis: probably a common cause of lumbar spinal stenosis.
P. Westermark, G Westermark, O Suhr, S Berg
Upsala Journal of Medical Sciences, 2014; Early Online, 1–6.
28. Clinical outcomes after treatment with disc prostheses in three lumbar segments compared to one- or two segments. S. Berg, N. Gillberg-Aronson. International Journal of Spine Surgery Volume 9 2015; Article 49. doi:
10.14444/2049
29. Total Disk Replacement Compared to Lumbar Fusion: A Randomized Controlled Trial with 5-Year Follow-Up. H. Tropp, C. Nyqvist, S. Berg.
Global Spine Journal 09/2012 02(S 01).
30. The long-term outcome of lumbar fusion in the Swedish lumbar spine study. Hedlund R, Johansson C, Hägg O, Fritzell P, Tullberg T; The Swedish Lumbar Spine Study Group. Spine J. 2015 Sep 9. pii: S1529-9430(15)01371-6.
31. Discography for preoperative evaluation of patients with chronic low back pain and its effect on clinical results. Wilhelm Gillnäs, Med. Stud, Svante Berg, MD, PhD. Insights in Neurosurgery. Vol. 1 No. 3: 16. ISSN 2471-9633.
32. Segmental motion after total disc replacement or fusion for discogenic lumbar back pain. H Tropp, MD, PhD, G Leivseth, MD, PhD, Svante Berg, MD, PhD. Journal of Orthopedic Research and Therapy 2018.

Presentations

A considerable number of presentations on national and international conferences. Some of them are:

- NOF Århus, Denmark -82?
- NOF Trondheim, Norway -95?
- Svenska Läkaresällskapets Riksstämman, Stockholm -82?

Zweitmeinung

- Svenska Läkaresällskapets Riksstämman, Stockholm -97?
- Nordisk Handkirurgisk Förening, Jyväskylä, Finland -82?
- Norwegian Spine Society-08 IGASS, St Andrews, Scotland-08
- Spine Arthroplasty Society (SAS), Miami -08
- Spine Arthroplasty Society (SAS), London -09
- Spine Arthroplasty Society (SAS), New Orleans -10 (poster, 2 presentations, moderator)
- International Society for the Advancement of Spine Surgery (ISASS), Las Vegas -11 (3 presentations, moderator)
- International Society for the Advancement of Spine Surgery (ISASS), Barcelona-12, (presentation and poster)
- International Society for the Advancement of Spine Surgery (ISASS-15) San Diego, (two presentations, workshop, moderator).
- Eurospine-Spine Week, Geneva -08
- Eurospine, Warszawa -09
- Eurospine, Geneva -10
- The 2008 Southern Spinal Device Congress, South Africa -08
- North American Spine Society (NASS), San Francisco -09
- Svensk Ortopedisk Förenings årsmöte (SOF), Västerås -03
- Svensk Ortopedisk Förenings årsmöte (SOF), Örebro -04
- Svensk Ortopedisk Förenings årsmöte (SOF), -05
- Svensk Ortopedisk Förenings årsmöte (SOF), Varberg-06
- Svensk Ortopedisk Förenings årsmöte (SOF), Umeå -07
- Svensk Ortopedisk Förenings årsmöte (SOF), Jönköping -09
- Svensk Ortopedisk Förenings årsmöte (SOF), Karlstad -18 Norwegian Spine surgery Society yearly meeting -09 SICOT-SOF, Göteborg -10
- The 2010 Southern Spinal Device Congress, South Africa -10
- Global Spine Congress (AO), Barcelona, Spain-11
- South African Spine Society, Yearly meeting-11. Invited speaker, 3 presentations.
- Danish Spine Society, Yearly meeting -17, invited speaker, 2 presentations. GECO, Le Mans France 2016 and 2018, invited speaker, 3 presentations each year.
- South African Spine Society, Yearly meeting-18. Invited speaker, 3 presentations.

Furthermore, I have been Moderator or Invited Speaker on several congresses, workshops and symposia nationally and internationally.

Posters

- Spine Arthroplasty Society (SAS), New Orleans -10.
- International Society for the Advancement of Spine Surgery (ISASS), Barcelona-12,
- International Society for the Advancement of Spine Surgery (ISASS), Toronto-18,

Basic Pedagogic training for college student education,

Karolinska Institutet. Feb-June-11.

PhD-student supervisor:

Web course for supervisors, Karolinska Institutet. Currently supervisor for 2 PhD-students -11 and -16.

Introductory Doctoral Supervision Course.

Karolinska Institutet. March-April-11 and Dec-16.

Honors

- The yearly scientific grant from Swedish Spine Surgeons Society -05 and -08.
- Present President of the Swedish Spine Surgeons Society. Formerly vice-President.

Professional Memberships

- Swedish Physicians Society.
- Swedish Orthopedic Society.
- Swedish Spine Surgeons Society.
- Eurospine. North American Spineociety (NASS).
- The International Society for the Advancement of Spine Surgery (ISASS).
- Member, Education and Program Committee ´s of The International Society for the Advancement of Spine Surgery (SAS).
- Member of Review Board, The SAS Journal.

Other

I have together with some colleges written the book "Ryggen" (English version under production) Liber-10.

This is an educational book, aiming at residents/fellows in Orthopedics, Neurosurgery and Rehabilitation, General Practitioners and Physiotherapists.