

Rafael Levin

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Comprehensive Spine Care

260 Old Hook Rd., Ste. 400

Westwood, NJ 07675

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Current Position

Board Certified Adult and Pediatric Spine Surgeon. Licensed to practice in New-Jersey.

Comprehensive Spine Care. 8/2004 – current. Westwood, Clifton, and East Brunswick, NJ. Hospital affiliations include: Hackensack University Medical Center (at Hackensack and Westwood), Valley Hospital, Chilton Memorial Hospital, and Hudson Crossing Surgical Center.

Chief, Division of Spine Surgery

Hackensack University Medical Center @ Pascack Valley, Westwood, NJ.
Hudson Crossing Surgical Center, Fort Lee, NJ.

WebMD Spine Expert, NJ Top Doc award 2014, 2015, 2016, 2017, 2019

Professional Societies

North American Spine Society. Member since 2003.

Diplomate American Academy of Orthopaedics. Since 2007.

Society of Lateral Access Surgery. Member since 2009.

NJM Medical Advisory Committee. Member since 2017.

Fellowship Training

Spine Surgery. 8/2003 – 7/2004.

NYU – Hospital for Joint Diseases. Department of Orthopaedic Surgery, New York, NY.

Program director: Thomas J. Errico.

Residency Training

Orthopaedic Surgery. 6/1998 - 6/2003

Boston Medical Center - Department of Orthopaedic Surgery, Boston, MA. Affiliated with Boston University School of Medicine. Hospitals include Boston Medical Center, VA, Lahey Clinic, and Shriners' Hospital.

Education

Johns Hopkins University. 8/1994 – 5/1998.

School of Medicine, Baltimore, MD.

M.D., May 1998.

Massachusetts Institute of Technology. 9/1993 – 5/1994.

School of Engineering, Cambridge, MA.

S.M., Materials Science and Engineering, May 1994.

Massachusetts Institute of Technology. 9/1990 – 5/1994.

School of Engineering, Cambridge, MA.

S.B., Materials Science and Engineering, minor in Economics, May 1994.

Research & Publications:

Books Authored:

Evidence Based, Cost Effective, and Compassionate Surgical Care of the Spine Injured Worker. *Comprehensive review of the literature and experience-based fair and balanced approach by spine surgeons specializing in evaluating and treating spine injured workers.* Rafael Levin, Nomaan Ashraf, and Evan Baird. Book published in 2018. Copyright by Rafael Levin, MD, MSc and Nomaan Ashraf, MD, MBA.

Book Chapters Authored:

Vertebral Discitis and Osteomyelitis. Rafael Levin, Christopher Bono, & Steven Garfin. Review Published Book chapter in Spine: Core Knowledge in Orthopaedics. Alexander R. Vaccaro. – 1st ed. Mosby, 2005.

Treating the Patient with Metastatic Spine Disease. Review of the literature. Rafael Levin, Vipul Patel, and Razi Afshin. completed and currently under review.

The Definitive Guide to Medical School Admission. Goldstein, Mark Allan & Goldstein, Myrna Chandler. Weston, MA: Font & Center Press, 1996. Published my medical school application essay as an example of a research-oriented statement of objectives.

Research Articles:

Thoracoscopic anterior instrumented fusion for adolescent idiopathic scoliosis with emphasis on the sagittal plane.

Baron S. Lonner, MDa,*; Joshua D. Auerbach, MDb; Rafael Levin, MDa; David Matusz, MDc; Carrie Scharf, BAa; Georgia Panagopoulos, PhDc; Alok D. Sharan, MDd. *The Spine Journal*. July 2009 (Vol. 9, Issue 7, Pages 523-529)

Reuse of External Fixation Components: A Randomized Trial. Sung, Jinsil K MD; Levin, Rafael MD; Siegel, Jodi MD; Einhorn, Thomas A MD; Creevy, William R MD; Tornetta, Paul III MD. *Journal of Orthopaedic Trauma*. 22(2):126-130, February 2008.

Mini-open thoracoscopically assisted thoracotomy versus video-assisted thoracoscopic surgery for anterior release in thoracic scoliosis and kyphosis: a comparison of operative and radiographic results. R.Levin, D.Matusz, A.Hasharoni, C.Scharf, B.Lonner, T.Errico. *The Spine Journal*, Volume 5, Issue 6, Pages 632-638, November 2005.

Common Peroneal Nerve Transection During Arthroscopic Debridement of a Posterior-Horn lateral Meniscal Tear- A Case Report. Rafael Levin, Peter Prokopis, and George Kaspariyan. Accepted for publication in the *American Journal of Sports Medicine* (3/2001).

Transvaginal Four-Corner Cystourethropey using bone anchors. Samuel Levin, Alexandru E. Benet, Ofer Native, Rafael Levin, Daniel Levin, Ami Sidi. *Journal of Pelvic Surgery*, 1999;(4):216-220.

One-Stage Bilateral Total Knee Replacements: Safety, Efficacy, and Cost-Effectiveness. A Comparative Study to Two-Stage Bilateral and Unilateral Total Knee Replacements. Huo H.M., Levin R., & Wence F.J. Abstract and presentation at the American Association of Hip and Knee Surgery, 8th annual meeting, Dallas TX, Nov. 1998. (This project was also presented at the 45th annual meeting of the American Association of Orthopaedic Surgery, Anaheim CA, 2/1999.)

Minimally Invasive Surgical Treatment of Female Stress Urinary Incontinence. S. Levin, A.E. Bennet, D.Levin, L. Danielli, R. Levin, & A. Sidi. *International Urogynecology Journal*, 1998;9:405-408.

Presentations:

Causation Issues for Spine Surgeons: Capehart-Scatchard Millenium Seminar December 2018

Optimizing Care of the Spine Injured Worker; Parsippany, NJ. In-service for New Jersey Manufacturers October 2018

Causation Analysis in the Spine Injured Worker; Whippany, NJ. Millenium Seminar. December 2018

Optimizing Care of the Spine Injured Worker; Basking Ridge, NJ. In-service for Chubb; August 2018

Sagittal Balance in Thoracoscopic Surgery for Scoliosis. Rafael Levin, David Matusz, and Baron Lonner. Presented at the 39th SRS meeting in Buenos Aires, Argentina, September 6-9, 2004, and at the 11th IMAST meeting in Bermuda, July 1-3 2004.

Mini-open thoracoscopically-assisted thoracotomy versus video-assisted thoracoscopic surgery for anterior release in thoracic scoliosis and kyphosis – comparison of operative and radiographic results. Rafael Levin, David Matusz, Amir Hasharoni, Baron Lonner, and Thomas Errico. Presented at the 11th IMAST meeting in Bermuda, July 1-3 2004, at the NASS 19th Annual Meeting in Chicago, October 26-30, 2004, and at the AAOS Annual meeting in Washington DC, February 23-27, 2005. Paper accepted for publication in *Orthopedic Technology Review*, March 2005.

Acute Traumatic Central Cord Syndrome. Rafael Levin & John B. Sledge. Submitted for publication to the *NASS Journal of SPINE* 8/2003.

Acute Traumatic Central Cord Syndrome - Review and Case Series. Rafael Levin & John B. Sledge. Poster presented at the **Spine + Science + Management** meeting. New Orleans, LA, 11/ 21-24/ 2002.

Does Side Dominance Affect Bone SOS Results Measured By Axial Transmission Ultrasonography? R. Levin, A. Danieli, C. Singal, Y. Niv. Abstract and poster presented at the International Osteoporosis Conference, Eilat, Israel, 12/1998.

Ultrasound Velocity in Human Calcaneus and its Relation to Mechanical Properties and Trabecular Structure. Minakuchi, Y., Inoue, N., Levin, R., Manson, T. Boykin, A., Chao, E. Work was published and presented at the 43rd Annual Meeting, ORS, 2/9-13/1997, San Francisco, California.

The Effect of Cure Temperature on the Reaction Kinetics and Elastic Modulus of a UV-Cured Acrylate System. R. Levin, A. Hale, A.L. Harris, N.J. Levinos, and F.C. Schilling. Published and presented at the American Chemical Society, Polymer Materials Science Engineering Division, Spring Meeting, 4/1995, Anaheim, California.

Anorganic Bovine Bone as a Substitute for Allograft: Surface Chemistry and Mechanical Performance. P.A. Villars, S.L. Mitchell, R. Levin, J.G. Hanlon, and M. Spector. Published and presented at the 20th Annual Meeting of the Society for Biomaterials, 4/5-9/1994.

Military Service

Israeli Air Force. Compulsory Service 10/87 - 7/90
Officer Position in the Central Manpower Headquarters.

Background

Born and raised in Tel Aviv, Israel. Native speaker of Hebrew, German, and English.
Enjoy playing Tennis when time permits.