

- CURRICULUM VITAE -
ERIK CORWIN SPAYDE, M.D.

Contact Information:

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Current Practice: **St Charles Spine Institute**
Title: President

Thousand Oaks, CA
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Surgical Training: **Spine Surgery Fellowship (2005-06)**

The Spine Institute at St. John's Health Center.
Santa Monica, CA
Fellowship Director: Rick B. Delamarter, MD

Orthopedic Surgery Residency (2001-05)

Harvard Combined Department Orthopedic Surgery.
Massachusetts General Hospital, Boston, MA
Residency Director: James Herndon, M.D., M.B.A.

General Surgery Internship (2000-01)

Brigham and Women's Hospital.
Boston, MA
Internship Director: Stanley Ashley, M.D.

Education:

Harvard Medical School. Boston, MA (1995-2000)

Degree: M.D.

Honors:

Howard Hughes Medical Institute Research Fellowship Award (1998-9)
Arthritis Foundation Research Fellowship Award (1999)

Positions:

Editor of Harvard Medical School Journal of Ethics (1996)

Stanford University. Stanford, CA (1991-1995)

Undergraduate Degree: B.S. Biological Sciences

Honors:

Graduated with Distinction and Honors in the field of Immunology (1995)
Phi Beta Kappa Honors Society (1995)
Block "S" Athletic Department Award – Highest GPA Senior Male Varsity Athlete (1995)
National Science Federation Scholarship (1991, 1992)

Activities:

Stanford Varsity Cross-Country and Track & Field Team (NCAA Div 1)
Merit Award for Outstanding Track & Field Middle-Distance Graduating Senior (1995)
Alfred R. Masters Scholar Athlete Award (1992)

Thousand Oaks High School. Thousand Oaks, CA (1987-1991)

Honors:

Valedictorian of Graduating Class, GPA 4.0

Awards:

National Merit Finalist (1990)
Robert C. Byrd Congressional Scholarship (1991)
Bank of America Scholar (1991)
Tandy Scholars Award in Social Sciences (1991)
Bausch and Lomb Science Award (1990)

Extracurricular Activities included Varsity Track & Field
Nationally Ranked 4th at 3000 meters (1991)
Nationally Ranked at 1600 meters (one mile) (1991)

Board Certification **American Board of Orthopedic Surgery (2008)**

Licensure: **California Medical License** 2/9/05 - present

Societies **North American Spine Society** current
American Medical Association current
Harvard Medical Alumni Association 1995 - present
American Academy of Orthopedic Surgeons 2001- present
Massachusetts Medical Society 1995 – present
Phi Beta Kappa Honors Society Inducted 1995

Medical Research Background: **Orthopedic Spine Surgery Outcomes Research:**
The Spine Institute. Santa Monica, CA (2005-2006)
Research Directors: Rick B. Delamarter, MD and Hyun Bae, MD

Orthopedic/Spine Surgery Biomechanical Research:
Beth Israel Deaconess Medical Center, Department of Orthopedics. Boston, MA (2003-2005)
Project Sponsor: Paul A. Glazer, MD. Director of Spine Research
Project: Novel design and biomechanical testing of spinal fixation devices

Molecular Genetics Research:
Harvard Medical School / Howard Hughes Medical Institute. Boston, MA (1996-2005)
Project Sponsor: Bjorn R. Olsen, M.D., Ph.D. Professor, Department of Cell Biology
Project: Investigation of the putative role of collagen IX and XI gene mutations in the onset of primary osteoarthritis and spinal disc disease.

Immunology Research:
Stanford University Department of Immunology / Pharmagenesis Laboratories. Palo Alto, CA (1993-1995)
Project Sponsor: Tien-wen Wiedmann, Ph.D.
Project: Role of immune modulators in conferring survivorship against opportunistic infection in immunocompromised hosts.

Research Grants:

- Arthritis Foundation Medical Research Fellowship (1999-2000)
- Howard Hughes Medical Institute Medical Student Research Fellowship (1998-1999)
- Harvard Academic Societies Medical Student Research Support Grant (1996-1998)
- Howard Hughes Medical Institute Summer Undergraduate Research Grant (1995)

Publications:

- E. Spayde, B. Pradhan, R. Delamarter Charité-III versus ProDisc-L Early Head-to-Head Results at a Single Institute. The Spine Journal, Volume 6, Issue 5, Pages 97S-98S
- Shen, B. Pradhan, H. Bae, M. Kropf, E. Spayde, R. Delamarter. Single-level Artificial Disc Replacement at L4-5 versus L5-S1—Is There Any Difference in Technique, Morbidity, or Result?. The Spine Journal, Volume 6, Issue 5, Pages 101S-101S M.

- Bae H, Lanim LEA, Spayde E, et al. Does Autologous Bone Marrow Aspirate Enhance Graft Effectiveness for Spinal Fusion? *Seminars in Spine Surgery* Mar 2006 18:1.
- Spayde EC and Bae H, Revision . Posterior revision strategies for dural and nerve root exposure following a previous laminectomy. *Tricks of the Trade* 2nd ed. 2006.
- Spayde EC, Ting J, Glazer P. Biomechanical Evaluation of Z-Fiber Technology in Fracture Fixation. *Orthopedic Journal of Harvard Medical School*. 2005 July.
- Spayde, Erik C. Multiple Epiphyseal Dysplasia Type I. *The NORD Guide to Rare Disorders*. Lippincott, Williams & Wilkins. Philadelphia, PA; 2003:pp 187-8.
- Spayde EC, Joshi AP, Wilcox WR, Briggs M, Cohn DH, Olsen BR. Exon skipping mutation in the COL9A2 gene in a family with multiple epiphyseal dysplasia. *Matrix Biology*. 19(2):121-8, 2000 May.
- Spayde EC, Olsen BJ. Intronic Splice Junction Mutations in COL9A2 and COL11A1 Genes in Knee/Shoulder/Hip Osteoarthritis. Abstract/Oral dissertation: Proceedings of Howard Hughes Medical Institute 1999 May.
- Castro BA, Spayde E, Hotz R, Leu K, Shi S, Weidmann TW. Restoration of Natural Killer Cell-Mediated Antiviral Immune Response in Lethally Infected Immunocompromised Mice. Abstract: *9th International Congress of Immunology*. San Francisco, CA 1995 July.
- Spayde, EC. Restoration of Natural Killer Cell-mediated Cytotoxicity in Lethally MCMV Infected, X-Irradiated Mice by Plant Extract PG36 Involved in Viral Resistance. *Stanford University Honors Thesis*. Stanford, CA 1995 June.
- Reginato A, Spayde EC, Olsen BJ Analysis of Collagen IX gene mutations in hereditary lumbar disk disease. 2005.

Scientific Oral Presentations:

Spayde E, Shen M, Pradhan B, Bae H, Kropf M, Delamarter R. Single level artificial disc replacement at L4-5 versus L5-S1. Is there any difference in technique, morbidity, or result? IMAST 13th International Meeting on Advanced Spine Techniques, July 2006 (Athens, Greece).

Spayde E, Pradhan B, Bae H, Kropf M, Delamarter R. Charite-III versus ProDisc-L Early Head to Head Results in a Single Institute. IMAST 13th International Meeting on Advanced Spine Techniques, July 2006 (Athens, Greece).

Spayde E, Pradhan B, Bae H, Shah TJ, Hussein T, Delamarter R. Return to Work Outcomes After Lumbar Artificial Disc Replacement – Using a Standardized Evaluation Questionnaire. IMAST 13th International Meeting on Advanced Spine Techniques, July 2006 (Athens, Greece).

Spayde E, Delamarter RB, Bae H, Pradhan B. Lumbar Spinal Arthroplasty Work Comp. versus Non-Comp. Prodisc-L. Annual Meeting of American Academy of Orthopaedic Surgeons, 2006 (Chicago, IL).

Spayde EC, Ting J, Glazer P. Biomechanical Evaluation of Z-Fiber Technology in Fracture Fixation. Annual Harvard Orthopaedic Surgery Resident Thesis Day, 2005 (Boston, MA).

Spayde EC, Olsen BJ. Intronic Splice Junction Mutations in COL9A2 and COL11A1 Genes in Primary Knee/Shoulder/Hip Osteoarthritis. Annual Meeting Howard Hughes Medical Institute/NIH of Medical Student Research Fellows, 1999 (Bethesda, MD).

Poster Presentations:

Spayde E, Pradhan B, Bae H, *et al.* Return to Work Outcomes After Lumbar Artificial Disc Replacement. Spine Arthroplasty Society 2006. (Montreal, Canada).