

CURRICULUM VITAE

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OFFICES

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EDUCATION

Undergraduate: University of California, Riverside, B.S. – Biomedical Sciences, 1980 - Graduated Honors

Medical School: University of California, Riverside and Los Angeles
1983 - M.D.

POST GRADUATE TRAINING

Internship: Surgical Internship, General Surgery Department, UCLA School of Medicine, Los Angeles, California
July 1983 - June 1984

Residencies: Orthopaedic Resident, Harbor -UCLA Medical Center, Torrance, California, July 1984 - June 1988

Spinal Cord Injury Service, Rancho Los Amigos Medical Center, Downey, California, March 1986 - June 1986

Fellowship: UCLA, Orthopaedic Spine Surgery
August 1988 - July 1989

LICENSURE

California - G56288
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**BOARD
CERTIFICATION**

Diplomat, National Board of Medical Examiners - 1984

American Board of Orthopaedic Surgery - July 1991

Recertification American Board of Orthopaedic Surgery
January 2002

**AREAS OF
SPECIALIZATION**

Medical Staff, St. Jude Medical Center, 101 E. Valencia
Mesa Drive, Fullerton, California 92835
1989 - Present

Attending Orthopaedic Surgeon, Harbor-UCLA Medical
Center, Spine Service
1991 – 1995

Assistant Clinical Professor, Department of Orthopaedic
Surgery, UCLA School of Medicine, LA, California
1992 – Present

Medical Staff, UCLA Medical Center, 10833 Le Conte
Avenue, Los Angeles, California 90095
1996 - 2002

Medical Staff, Saint John's Health Center
1328 22nd street, Santa Monica, California 90404
1999 - Present

Medical Staff, Century City Doctors Hospital,
2070 Century Park East, Los Angeles, California
2005-Present

MEDICAL SOCIETIES

Orange County Medical Association

California Medical Association

American Academy of Orthopaedic Surgeons

North American Spine Society

BIBLIOGRAPHY

Publications:

1. Dawson EG, **Kropf MA**, Purcell G, Kabo JM, Kanim LEA, Burt C: Optoelectronic Evaluation of Trunk Deformity in Scoliosis: Spine 18(3) 326-331, 1989.
2. Bae H, Kanim LEA, Sra P, Delamarter R, **Kropf M**: Disc Replacement Versus Fusion: Comparison of Patient Self-Assessments. Western Orthopaedic Association, Texas, 2003
3. Classification of Lower Cervical Spine Injuries, Chapter 20 pp 241-246, Disorders of the Cervical Spine. Edited by Martin Camin and Patrick F. O'Leary.
4. Le, A.X., Rogers, D.E., Dawson, E.G., **Kropf, M.A.**, DeGrange, D.A., Delamarter, R.B.: Unrecognized Durotomy After Lumbar Discectomy: A Report of Four Cases Associated with the Use of ADCON-L. SPINE, Vol. 26, Number 1, PP 115-118, January 2001.
5. **Kropf MA**, Sra, P, Kanim, Lea, Alexander GJ, Delamarter, RB: Evaluation of renal function in patients implanted with Grafton (In prep, Presented at International Society for the Study of the Lumbar Spine 2001, Edinburgh Scotland.
6. Pradhan BB, Delamarter RB, Patel VV, **Kropf, MA**, Bae, HW, Dawson EG: Can rhBMP-2 Enhance Fusion in Anterior Lumbar Interbody fusion with Stand-Alone Femoral Ring Allografts? North American Spine Society Annual Meeting, Chicago, IL, Nov 2004.
7. Bae, H, Zhao L, Kanim L, Wong P, Delamarter R, Dawson EG, **Kropf MA** (Presenting): Inter and Intravariability of BMPs in Commercially Available Demineralized Bone Matrix Products. Scoliosis Research Society Annual Meeting, Buenos Aires, Argentina, Sept 2004.
8. Pradhan BB, Delamarter RB, Patel VV, **Kropf MA**, Bae HW, Dawson EG: Can rhBMP-2 Enhance Fusion in Anterior Lumbar Interbody Fusion with Stand-Alone Femoral Ring Allografts? Scoliosis Research Society Annual Meeting, Buenos Aires, Argentina, Sept 2004.
9. Pradhan BB, Delamarter RB, Patel VV, **Kropf MA**, Bae HW: Kyphoplasty for Osteoporotic Vertebral Compression Fractures – Correction of Local Kyphotic Deformity versus Overall Sagittal Alignment. Scoliosis Research Society Annual Meeting, Buenos Aires, Argentina, Sept 2004.

10. Pradhan BB, Delamarter RB, Patel VV, **Kropf MA**, Bae HW: Kyphoplasty for Osteoporotic Vertebral Compression Fractures – Correction of Local Kyphotic Deformity versus Overall Sagittal Alignment International Meeting for Advanced Spinal Techniques, Bermuda, June 2004.
11. Pradhan BB, Delamarter RB, Patel VV, **Kropf MA**, Bae HW, Dawson EG: Can rhBMP-2 Enhance Fusion in Anterior Lumbar Interbody Fusion with Stand-Alone Femoral Ring Allografts? International Meeting for Advanced Spinal Techniques, Bermuda, June 2004.
12. Patel VV, Andrews C, Kanim L, Pradhan BB, **Kropf MA**, Bae HW, Delamarter RB: Computed Tomography Evaluation of Intervertebral Prosthesis. International Meeting for Advanced Spinal Techniques, Bermuda, June 2004.
13. Pradhan BB, Delamarter RB, Patel VV, **Kropf MA**, Bae HW: Kyphoplasty for Osteoporotic Vertebral Compression Fractures – Correction of Local Kyphotic Deformity versus Overall Sagittal Alignment. International Society for Surgery of the Lumbar Spine, Porto, Portugal, June 2004.
14. Patel VV, Andrews C, Delamarter RB, Kanim L, Pradhan BB, **Kropf MA**, Bae HW: Intervertebral Prosthesis Position Evaluated by Computed Tomography – Relevance to Clinical Outcome: Spine Arthroplasty Society, Vienna Austria, May 2004.
15. Pradhan BB, Bae HW, Patel VV, **Kropf MA**, Zhao L, Wong P, Delamarter RB: Leakage of rhBMP-2 from Absorbable Collagen Sponges during use in Anterior Cervical Discectomy and Fusion: Quantification by Assay and Radiographic Follow-up. Submitted for publication, Spine.
16. Pradhan BB, Bae HW, **Kropf MA**, Patel VV, Delamarter RB: Radiographic Characterization of Anterior Cervical Discectomy and Fusion using Allograft, rhBMP-2, and Plate. Submitted for publication, Spine.
17. Pradhan BB, Delamarter RB, Patel VV, **Kropf MA**, Bae HW: Kyphoplasty Reduction of Osteoporotic Vertebral Compression Fractures: Correction of Local Kyphotic Deformity versus Overall Sagittal Alignment. Submitted for publication, Spine.
18. Pradhan BB, Delamarter RB, Bae HW, Patel VV, **Kropf MA**, Dawson EG: Can reBMP-2 Enhance Fusion in Anterior Lumbar Interbody Fusion with Stand-Alone Femoral Ring Allografts? Submitted for publication, Spine.
19. Pradhan BB, Patel VV, Bae HW, **Kropf MA**, Delamarter RB: Lumbar Disc Degeneration in Women and Advances in Management – Total Disc Replacement. Submitted for publication, The Spine Journal.
20. Patel VV, Andrews C, Kanim L, Pradhan BB, **Kropf MA**, Bae HW, Delamarter RB: Intervertebral Prosthesis Position Evaluated by Computed Tomography – Relevance to Clinical Outcome. Submitted for publication, Spine.

21. RB Delamarter MD, HW Bae MD, **MA Kropf MD**, LEA Kanim MA, BB Pradhan MD MSE Semi-Constrained Single and Two-Level Lumbar Total Disc Replacements for Degenerative Disc Disease: 2 to 3-Year Results From One Site in the United States Clinical Trials for the ProDisc-L Prosthesis. Submitted for Publication.
22. RB Delamarter MD, HW Bae MD, **MA Kropf MD**, VV Patel MA MD, LEA Kanim MA, BB Pradhan MD MSE Artificial Disc Replacement as a Salvage Procedure for Failed Back Surgery Syndrome: Results with a Semi-Constrained Prosthesis (ProDisc-L) for One and Two-Level Disease. Submitted for publication.
23. BB Pradhan, MD MSE; HW Bae, MD; VV Patel, MD; **MA Kropf, MD**; L Zhao, MD PhD; P Wong, BS; RB Delamarter, MD Leakage of rhBMP-2 from Absorbable Collagen Sponges during use in Anterior Cervical Discectomy and Fusion: Quantification by Assay and Radiographic Follow-up. Submitted for publication.
24. BB Pradhan, MD MSE; HW Bae, MD; **MA Kropf, MD**; VV Patel, MD; RB Delamarter, MD Radiographic Characterization of Anterior Cervical Discectomy and Fusion using Allograft, rhBMP-2, and Plate Submitted for publication.
25. BB Pradhan MD MSE, VV Patel MD, HW Bae MD, **MA Kropf**, RB Delamarter MD Lumbar Disc Degeneration in Women and Advances in Management – Total Disc Replacement. Submitted for publication.
26. HW Bae, MD, **MA Kropf, MD**, R B Delamarter, BB Pradhan. Single Level artificial disc replacement at L4-5 versus L5-S1. Is there any difference in technique, morbidity, or result?
27. HW Bae, MD, **MA Kropf, MD**, R B Delamarter, MD, BB Pradhan MD, L Kanim. Effect of motion preserving reconstruction on spinal alignment-cervical segmental and overall coronal and sagittal alignment after 1 to 3 disc replacement (ProDisc-C) versus fusion
28. R B Delamarter, MD, BB Pradhan MD, **MA Kropf MD**, L Kanim, HW Bae MD. 1 Versus 2 Versus 3-Level Lumbar Artificial Disc Replacement-A prospective Report of Clinical Outcomes with the Pro-Disc-L Device.
29. R B Delamarter, MD, BB Pradhan MD, **MA Kropf MD**, L Kanim, HW Bae MD. 1 Versus 2 Versus 3-Level Lumbar Artificial Disc Replacement-A prospective Report of Clinical Outcomes with the ProDisc-C Device.
30. R B Delamarter, MD, BB Pradhan MD, **MA Kropf, MD**, L Kanim, HW Bae MD, L Zhao. Bone Morphogenic Protein-2 Retention In A Vertebral Body Fracture Stabilization Device (OptiMesh).

Presentations:

1. **MA Kropf, M.D:** External Fixation of Distal Radius Fractures. Harbor-UCLA Alumni Meeting. June 1984
2. **MA Kropf, MD:** Optoelectronic Evaluation of Trunk Deformity in Scoliosis. SRS/European Spinal Deformities Society, Amsterdam, The Netherlands
3. **MA Kropf, MD:** Optoelectronic Evaluation of Trunk Deformity in Scoliosis. Western Orthopaedic Association, Anaheim, California 1989
4. **MA Kropf, MD:** Optoelectronic Evaluation of Trunk Deformity in Scoliosis. Federation of Spine Associations, 5th Annual Meeting, New Orleans, LA February 11, 1990
5. Bae, H., Kanim, L.E.A., **Kropf, M.**, Delamarter, R.B.: Prodisc Total Disc Replacement vs. Circumferential Fusion: Comparative Lumbar Motion at the Treated and Adjacent Levels. World Spine II, Chicago, Illinois, August 2003
6. Patel, V., Andrews, C., Kanim, L.E.A., Pradhan, B.B., **Kropf, M.**, Bae, H., Delamarter, R.B.: Intervertebral Disc Replacement Prosthesis Position Evaluation by Computed Tomography – Relevance to Clinical Outcome. Spine Arthroplasty Society, Vienna, Austria, May 2004
7. Pradhan, B.B., Delamarter, R.B., Patel, V., **Kropf, M.**, Bae, H. Dawson, E.: Can rhBMP-2 Enhance Fusion in Anterior Lumbar Interbody Fusion with Stand-Alone Femoral Ring Allografts? International Meeting for Advanced Spinal Techniques, Bermuda, June 2004.
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9. Pradhan, B.B., Delamarter, R.B., Patel, V., **Kropf, M.**, Bae, H.: Kyphoplasty for Osteoporotic Vertebral Compression Fractures – Correction of Local Deformity Versus Overall Sagittal Alignment. International Society for Surgery of the Lumbar Spine, Porto, Portugal, June 2004.
10. Pradhan, B.B., Delamarter, R.B., Patel, V., **Kropf, M.**, Bae, H., Dawson, E.: Can rhBMP-2 Enhance Fusion in Anterior Lumbar Interbody Fusion with Stand-Alone Femoral Ring Allografts? Western Orthopaedic Association Annual Meeting, San Francisco, California, September 2004
11. Pradhan, B.B., Delamarter, R.B., Patel, V., **Kropf, M.**, Bae, H.: Kyphoplasty for Osteoporotic Vertebral Compression Fractures – Correction of Local Deformity Versus Overall Sagittal Alignment. Western Orthopaedic Association Annual Meeting, San Francisco, California, September 2004.

12. Pradhan, B.B., Bae, H., Kanim, L.E.A., **Kropf, M.A.**, Delamarter, R.B.: Artificial Disc Replacement in the Lumbar Spine – 18 to 24 Month Follow-up. Western Orthopaedic Association Annual Meeting, San Francisco, California, September 2004.
13. Patel, V., Andrews, C., Kanim, L.E.A., Pradhan, B.B., **Kropf, M.**, Bae, H., Delamarter, R.B.: Computed Tomography Evaluation of Intervertebral Prosthesis. Western Orthopaedic Association Annual Meeting, San Francisco, California, September 2004.
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16. Bae, H., Kanim, L.E.A., Sra, P., Delamarter, R.B., **Kropf, M.**: ProDisc Lumbar Disc Replacement vs. Fusion—Preservation of Motion and Patient Self Assessment at one to two Year Follow-up. North American Spine Society, Chicago, Illinois, October 2004
17. Pradhan, B.B., Dawson, E., Patel, V., Delamarter, R.B., **Kropf, M.**, Bae, H.: Can rhBMP-2 Enhance Fusion in Anterior Lumbar Interbody Fusion using Stand-Alone Femoral Ring Allografts? North American Spine Society, Chicago, Illinois, October 2004.
18. Pradhan, B.B., Delamarter, R.B., Patel, V., **Kropf, M.**, Bae, H., Dawson, E.: Can rhBMP-2 Enhance Fusion in Anterior Lumbar Interbody Fusion with Stand-Alone Femoral Ring Allografts? Orthopaedic Research Society Annual Meeting, Washington, DC, February 2005
19. Pradhan, B.B., Delamarter, R.B., Patel, V., **Kropf, M.**, Bae, H.: Kyphoplasty Reduction of Vertebral Compression Fractures – Correction of Local Deformity Versus Overall Sagittal Alignment. Orthopaedic Research Society Annual Meeting, Washington, DC, February 2005.
20. Pradhan, B.B., Bae, H., Patel, V., **Kropf, M.**, Zhao, L., Wong, P., Delamarter, R.B.: Leakage of rhBMP-2 from Absorbable Collagen Sponges during use in Anterior Cervical Discectomy and Fusion: Quantification by Assay and Radiographic Follow-up. Orthopaedic Research Society Annual Meeting, Washington, DC, February 2005.

21. Pradhan, B.B., Bae, H., Patel, V., **Kropf, M.**, Zhao, L., Wong, P., Delamarter, R.B.: Characterization of Anterior Cervical Discectomy and Fusion Using Fibular Allograft and rhBMP-2. Orthopaedic Research Society Annual Meeting, Washington, DC, February 2005.
22. Pradhan, B.B., Delamarter, R.B., Patel, V., **Kropf, M.**, Bae, H., Dawson, E.: Can rhBMP-2 Enhance Fusion in Anterior Lumbar Interbody Fusion with Stand-Alone Femoral Ring Allografts? American Academy of Orthopaedic Surgeons Annual Meeting, Washington, DC, February 2005.
23. Pradhan, B.B., Delamarter, R.B., Patel, V., **Kropf, M.**, Bae, H.: Kyphoplasty for Osteoporotic Vertebral Compression Fractures – Correction of Local Deformity Versus Overall Sagittal Alignment. American Academy of Orthopaedic Surgeons Annual Meeting, Washington, DC, February 2005.
24. Pradhan, B.B., Bae, H., Patel, V., **Kropf, M.A.**, Zhao, L., Delamarter, R.B.: Graft Resorption with rhBMP-2: Lessons from Anterior Cervical Discectomy and Fusion. Western Orthopaedic Association Annual Meeting, Waikoloa, Hawaii, July 2005.
25. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Patel, V., Zhao, L., Delamarter, R.B.: Leakage of BMP from Absorbable Collagen Sponges During ACDF: Quantification and CT Analysis for Ectopic Bone Formation in Canal. Western Orthopaedic Association Annual Meeting, Waikoloa, Hawaii, July 2005
26. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Delamarter, R.B.: Graft Resorption with rhBMP-2 in Anterior Cervical Discectomy and Fusion: A radiograph Characterization of the Effect of rhBMP-2 on structural allografts. World Spine III, Rio De Janeiro, Brazil, August 2005.
27. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Patel V.V., Zhao, L., Wong, P., B.S., Delamarter, R.B.: Leakage of rhBMP-2 from Absorbable Collagen Sponges During ACDF: Quantification and Follow-up with Radiographic Analysis. World Spine III, Rio De Janeiro, Brazil, August 2005.
28. Pradhan, B.B., Bae, H., Kanim, L.E.A., MS, Lam, L., MPH, **Kropf, M.A.**, Kamrava, E., MS, Delamarter, R.B.: Disc Height Restoration and its Effect on Range of Motion and Clinical Outcome After Semi-constrained Lumbar Total Disc Replacement (Pro-Disc II). World Spine III, Rio De Janeiro, Brazil, August 2005.
29. Pradhan, B.B., Bae, H., Patel, V.V., Kanim, L.E.A., MA, **Kropf, M.A.**, Delamarter, R.B.: ProDisc-C Artificial Total Cervical Disc Replacement: Twelve to Eighteen Month Results from the United States Clinical Trial. World Spine III, Rio De Janeiro, Brazil, August 2005.

30. Bae, H., Lam, L., MPH, Wong, P. BS, Pradhan, B.B, **Kropf, M.A.**, Delamarter, R.B.: Comparison of Outcomes in Workers Compensation Versus Non-compensation Patients After Artificial Disc Replacement Surgery. World Spine III, Rio De Janeiro, Brazil, August 2005.
31. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Patel, V.V., Delamarter, R.B.: Graft Resorption with rhBMP-2 in Anterior Cervical Discectomy and Fusion: A Radiographic Characterization of the Effect of rhBMP-2 on Structural Allografts. North American Spine Society, Annual Meeting, Philadelphia, PA 2005.
32. Pradhan, B.B, Bae, H., **Kropf, M.A.**, Patel, V.V., Zhao, L., Wong, P.,BS, Delamarter, R.B.: Leakage of rhBMP-2 from Absorbable Collagen Sponges during use in Anterior Cervical Discectomy and Fusion: Quantifications and follow-up of clinical and Radiographic Consequences. North American Spine Society, Annual Meeting, Philadelphia, PA 2005.
33. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Patel, V.V., Zhao, L., Wong, P.,BS, Delamarter, R.B.: Leakage of rhBMP-2 from Absorbable Collagen Sponges During Use in Anterior Cervical Discectomy and Fusion: Quantification and Follow-up of Clinical And Radiographic Consequences. Scoliosis Research Society Annual Meeting, Miami, FL., Oct. 2005.
34. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Patel, V.V., Delamarter, R.B.: Graft Resorption with rhBMP-2 in Anterior Cervical Discectomy and Fusion: A Radiographic Characterization of the Effect of rhBMP-2 on Structural Allografts. Scoliosis Research Society Annual Meeting, Miami, FL., Oct. 2005.
35. Pradhan, B.B., Bae. H., Lam, L.MPH, **Kropf, M.A.**, Kamrava, E., Delamarter, R.B.: Disc Height Restoration and its Effect on Range of Motion and Clinical Outcome After Semi-constrained Lumbar Total Disc Replacement (ProDisc-L). Scoliosis Research Society Annual Meeting, Miami, FL., Oct. 2005.
36. Delamarter, R.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., MS, Pradhan, B.B.: Cervical Disc Replacement: Longer-Term (2 year) Range of Motion and Clinical Outcomes Follow-up with the Pro-Disc-C Prosthesis. Cervical Spine Research Society Annual Meeting, San Diego, CA, Dec. 2005.
37. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim. L.E.A., Delamarter, R.B.: 2-3 Year Lumbar Disc Replacement Results (Pro-Disc-L) from The U.S. IDE Clinical Trials. American Association of Neurological Surgeons/ Congress of Neurological Surgeons Section on Disorders of the Spine and Peripheral Nerves Annual Meeting, Lake Buena, Fl, March 2006.
38. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim. L.E.A, MA, Delamarter, R.B.: The Effect of Workman's Compensation Status on Outcomes after Lumbar Total Disc Replacement. American Association of Neurological Surgeons/ Congress of Neurological Surgeons Section on Disorders of the Spine and Peripheral Nerves Annual Meeting, Lake Buena, Fl, March 2006.

39. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., MA, Delamarter, R.B.: Comparison of Motion at Treated and Untreated Adjacent Segments after Single to Three-level Disc Replacement Versus Fusion in the Cervical Spine. American Association of Neurological Surgeons/ Congress of Neurological Surgeons Section on Disorders of the Spine and Peripheral Nerves Annual Meeting, Lake Buena, Fl, March 2006.
40. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., MA, Delamarter, R.B.: Comparison of Sagittal and Coronal Alignment of the Cervical Spine After One to Three-level artificial Disc Replacements (Pro-Disc-C) Versus Fusion. Association of Neurological Surgeons/ Congress of Neurological Surgeons Section on Disorders of the Spine and Peripheral Nerves Annual Meeting, Lake Buena, Fl, March 2006.
41. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., MA, Delamarter, R.B.: Comparison of Motion at Treated and Untreated Adjacent Segments after Single to Three-level Disc Replacement Versus Fusion in the Cervical Spine. American Association of Neurological Surgeons Annual Meeting, San Francisco, CA, April 2006.
42. Delamarter, R.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., MS, Pradhan, B.B.: Cervical Disc Replacement: Longer-term (2-year) Range of Motion and Clinical Outcomes Follow-up with the Pro-Disc-C Prosthesis. Association of Neurological Surgeons Annual Meeting, San Francisco, CA, April 2006.
43. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., MA, Delamarter, R.B.: Comparison of Sagittal and Coronal Alignment of the Cervical Spine After One to Three-level Artificial Disc Replacement (Proc-Disc-C) Versus Fusion. Association of Neurological Surgeons Annual Meeting, San Francisco, CA, April 2006.
44. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Patel, V.V., Delamarter, R.B.: Graft Resorption with rhBMP-2 in Anterior Cervical Discectomy and Fusion: A Radiographic Characterization of the Effect of rhBMP-2 on Structural Allografts. Association of Neurological Surgeons Annual Meeting, San Francisco, CA, April 2006.
45. Pradhan, B.B., Spayde, E., Bae, H., **Kropf, M.A.**, Shen, M., Delamarter, R.B.: Return to Work Outcomes after Lumbar Artificial Disc Replacement. Spine Arthroplasty Society, Annual Symposium on Motion Preservation Technology, Montreal, CN, May 2006.
46. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., MA, Delamarter, R.B.: Is the Motion "Normal" after Cervical Disc Replacement? Analysis of Motion at Each Treated and Adjacent Level after Single and Multi-level Disc Replacement Versus Fusion. Spine Arthroplasty Society, Annual Symposium on Motion Preservation Technology, Montreal, CN, May 2006.

47. Spayde, E., Pradhan, B.B., Bae, H., **Kropf, M.A.**, Shen, M., Delamarter, R.B.: Charite-III Versus Pro-Disc-L: Early Head-to Head Results at One Institute. International Society for Surgery of The Lumbar Spine, Bergen, Norway, June 2006.
48. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Delamarter, R.B.: Charite-III Versus Pro-Disc-L: Comparison of Intraoperative Intervertebral Distraction between a Non-constrained Versus a Semi-constrained Lumbar Total Disc Replacement. International Society for Surgery of The Lumbar Spine, Bergen, Norway, June 2006.
49. Pradhan, B.B., Bae, H., Kanim, L.E.A., MS, **Kropf, M.A.**, Delamarter, R.B.: Is the Motion “Normal” After Lumbar Disc Replacement? Analysis of Motion at each Treated and Adjacent Levels after Single and Multi-level Disc Replacement Versus Fusion. International Society for Surgery of The Lumbar Spine, Bergen, Norway, June 2006.
50. Pradhan, B.B., Bae, H., Kanim, L.A.E., MA, **Kropf, M.A.**, Delamarter, R.B.: 1 Versus 2 Versus 3-Level Lumbar Artificial Disc Replacement-A Prospective Report of Clinical Outcomes with the Pro-Disc-L Device. International Society for Surgery of The Lumbar Spine, Bergen, Norway, June 2006.
51. Pradhan, B.B., Bae, H., Kanim, L.E.A., MA, **Kropf, M.A.**, Delamarter, R.B.: Total Disc Replacement Versus Fusion as a Salvage Treatment for failed Back Surgery Syndrome. International Society for Surgery of The Lumbar Spine, Bergen, Norway, June 2006.
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53. Spayde, E., Pradhan, B.B., Bae, H., **Kropf, M.A.**, Delamarter, R.B.: Charite III Versus Pro-Disc-L Early Head to Head Results in a Single Institute. International Meeting for Advanced Spinal Techniques, Athens, Greece, July 2006.
54. Pradhan, B.B., Bae, H., Kanim, L.E.A., MS, **Kropf, M.A.**, Delamarter, R.B.: Is the Motion “Normal” after Multi-level Lumbar Disc Replacement? Analysis of Motion at Each Treated and Adjacent Level after 1 to 3 Level Disc Replacement Versus Fusion. International Meeting for Advanced Spinal Techniques, Athens, Greece, July 2006.
55. Shen, M., Pradhan, B.B., Bae, H., **Kropf, M.A.**, Delamarter, R.B.: Single Level Artificial Disc Replacement at L4-5 Versus L5-S1: Is There any Difference in Technique, Morbidity or Result? International Meeting for Advanced Spinal Techniques, Athens, Greece, July 2006.

56. Bae, H., Pradhan, B.B., **Kropf, M.A.**, Kanim, L.E.A., MS, Delamarter, R.B.: Is the Motion "Normal" after Multi-level Cervical Disc Replacement? Analysis of Motion at each Treated and Adjacent Levels 1 to 3-Level Disc Replacement Versus Fusion. . North American Spine Society, Annual Meeting, Seattle, WA, September 2006.
57. Pradhan, B.B., Bae, H., **Kropf, M.A.** Kanim, L.E.A., MS, Delamarter, R.B.: Is the Motion "Normal" after Multi-level Lumbar Disc Replacement?- Analysis of Motion at each Treated and adjacent Levels after 1 to 3-Level Disc Replacement Versus Fusion. North American Spine Society, Annual Meeting, Seattle, WA, September 2006.
58. Shen, M.S., Bae, H., Pradhan, B.B., **Kropf, M.A.**, Delamarter, R.B.: Clinical Experience Using a Novel Bio-Ceramic for Treating Vertebral Compression Fractures, with 1 to 2 Year Follow-up. American Spine Society, Annual Meeting, Seattle, WA, September 2006.
59. Delamarter, R.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., Pradhan, B.B.: Cervical Disc Replacement: 2 to 3-Year Range of Motion and Clinical Outcomes with the Pro-Disc-C Prosthesis. American Spine Society, Annual Meeting, Seattle, WA, September 2006.
60. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Delamarter, R.B.: Pro-Disc-L Lumbar Disc Replacement-Results from the US FDA Clinical Trial. Scoliosis Research Society Annual Meeting, Monterey, CA, September 2006.
61. Delamarter, R.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., Pradhan, B.B.: Cervical Disc Replacement: 2 to 3 Year Range of Motion and Clinical Outcome with the ProDisc-C Prosthesis. Western Orthopaedic Association Annual Meeting, Santa Fe, New Mexico, Oct. 2006.
62. Bae, H., Pradhan, B.B., **Kropf, M.A.**, Kanim, L.E.A., Delamarter, R.B.: Does bone marrow enhance rhBMP-2 effectiveness for spinal fusion? Western Orthopaedic Association Annual Meeting, Santa Fe, New Mexico, Oct. 2006.
63. Pradhan, B.B., **Kropf, M.A.**, Bae, H., Kanim, L.E.A., MA, Delamarter, R.B. Is the motion "normal" after lumbar disc replacement? Analysis of motion at each treated and adjacent levels after single and multi-level disc replacement versus fusion. Western Orthopaedic Association Annual Meeting, Santa Fe, New Mexico, Oct. 2006.
64. Delamarter, R.B., Pradhan, B.B., **Kropf, M.A.**, Kanim, L.E.A., Ms, Bae, H.: Podium-Cervical Disc Replacement: Over 3-Year Prospective Randomized Clinical Outcomes and Range of Motion Follow-up with the (Pro-Disc-C) Artificial Disc. Cervical Spine Research Society Annual Meeting, Palm Beach, FL, Dec. 2006.

65. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A, MS, Delamarter, R.B.: Podium- 1 Versus 2 Versus 3-Level Cervical Artificial Disc Replacement s: A Prospective Report of Clinical Outcomes with the (Pro-Disc-C) Device. Cervical Spine Research Society Annual Meeting, Palm Beach, FL, Dec. 2006.
66. Delamarter, R.B., Pradhan, B.B., Bae, H., **Kropf, M.A.**: Overall Results of the Prospective, Randomized Multi-center IDE Trial of (Pro-Disc-L) vs Lumbar Fusion. American Academy of Orthopaedic Surgeons, San Diego, CA, Feb. 2007.

Posters:

1. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., Delamarter, R.B.: 1 versus 2 versus 3-level lumbar artificial disc replacement – a prospective report of clinical outcomes with the ProDisc-L device
2. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim L.E.A., Delamarter, R.B.: Effect of motion preserving reconstruction on spinal alignment: cervical segmental and overall coronal and Sagittal alignment after 1 to 3-level disc replacement (ProDisc-C) versus fusion.
3. Bae, H., Pradhan, B.B., **Kropf, M.A.**, Kanim, L.E.A., Delamarter, R.B.: Spinal Alignment after 1 to 3 level cervical disc replacement (ProDisc-C) versus fusion – segmental and overall coronal and sagittal alignment
4. Delamarter, R.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., Pradhan, B.B.: 1 versus 2 versus 3 level lumbar artificial disc replacement – a prospective report of Clinical outcomes with the ProDisc-L device.
5. Pradhan, B.B., Bae, H., Kanim, L.E.A., **Kropf, M.A.**, Delamarter, R.B.: Total Disc Replacement Versus Fusion as a Salvage Treatment for Failed Back Surgery Syndrome
5. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Delamarter, R.B.: Charite III versus ProDisc-L: Comparison of intraoperative intervertebral distraction Between a non-constrained versus a semi-constrained lumbar total disc replacement
6. Pradhan , B.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., Delamarter, R.B.: Is the motion normal after cervical disc replacement? Analysis of motion at each treated and adjacent levels after single and multi-level disc replacement versus fusion
7. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Shen, M., Delamarter, R.B.: Return to work outcomes after lumbar artificial disc replacement: Spayde, E.
8. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., MA, Delamarter, R.B.: Motion Analysis at Treated and Untreated Levels after Single and Multi-level Cervical Disc Replacement. American Academy of Orthopaedic Surgeons Annual Meeting, Chicago, IL, March 2006

9. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., MA, Delamarter, R.B.: Sagittal and Coronal Cervical Spine Alignment after 1 to 3 level Disc Replacement: 2 Year Follow-up. American Academy of Orthopaedic Surgeons Annual Meeting, Chicago, IL, March 2006.
10. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Delamarter, R.B.: Disc Height Restoration and its Effect on Range of Motion and Clinical Outcome After Semi-constrained Lumbar Total Disc Replacement (Pro-Disc-L). . American Academy of Orthopaedic Surgeons Annual Meeting, Chicago, IL, March 2006
11. Pradhan B.B., Bae. H., **Kropf, M.A.**, Delamarter, R.B.: Charite III Versus Pro-Disc-L: Comparison of intraoperative intervertebral distraction between a Non-constrained Versus a Semi-constrained Lumbar Total Disc Replacement. Spine Arthroplasty Society, Annual Global Symposium on Motion Preservation Technology, Montreal, CN, May 2006.
12. Pradhan, B.B., Bae, H., Kanim, L.E.A.,MA, **Kropf, M.A.**, Delamarter, R.B.: Total Disc Replacement Versus Fusion as a Salvage Treatment for Failed Back Surgery Syndrome. Spine Arthroplasty Society, Annual Global Symposium on Motion Preservation Technology, Montreal, CN, May 2006
13. Delamarter, R.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A.,MA, Pradhan, B.B.: 1 Versus 2 Versus 3-level Lumbar Artificial Disc Replacement- A Prospective Report of Clinical Outcomes with the Pro-Disc-L Device. Spine Arthroplasty Society, Annual Global Symposium on Motion Preservation Technology, Montreal, CN, May 2006.
14. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A, MA, Delamarter, R.B.: Spinal Alignment after 1 to 3 Level Cervical Disc Replacement (Pro-Disc-C) Versus Fusion Segmental and overall Coronal and Sagittal Alignment. Spine Arthroplasty Society, Annual Global Symposium on Motion Preservation Technology, Montreal, CN, May 2006.
15. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., MS, Delamarter, **R.B.**: Effect of Motion Preserving Reconstruction on Spinal Alignment: Cervical Segmental and Overall Coronal and Sagittal Alignment after 1 to 3 Level Disc Replacement (Pro-Disc-C) Versus Fusion. International Meeting for Advanced Spinal Techniques, Athens, Greece, July 2006.
16. Bae, H., Pradhan, B.B., Kanim, L.E.A., MS, **Kropf, M.A.**, Delamarter R.B.: 1 Versus 2 Versus 3-Level Cervical Artificial Disc Replacements –A Prospective Report of Clinical Outcomes with the Pro-Disc-C Device. International Meeting for Advanced Spinal Techniques, Athens, Greece, July 2006
17. Bae, H., Pradhan, B.B., Kanim, L.E.A., MS, **Kropf, M.A.**, Delamarter, R.B.: 1 Versus 2 Versus 3-Level Lumbar Artificial Disc Replacements: A Prospective Report of Clinical Outcomes with the Pro-Disc-C Device. International Meeting for Advanced Spinal Techniques, Athens, Greece, July 2006

18. Bae, H., Zhao, L., Pradhan, B.B., Wong, P., BS, **Kropf, M.A.**, Delamarter R.B.: Bone Morphogenetic Protein- 2 Retention in a Vertebral Body Fracture Stabilization Device (OptiMesh). International Meeting for Advanced Spinal Techniques, Athens, Greece, July 2006.
19. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Delamarter, R.B.: Charite III Versus Pro-Disc-L: Comparison of Intraoperative Intervertebral Distraction between a Non-constrained Versus an A Semi-constrained Lumbar Total Disc Replacement. North American Spine Society, Annual Meeting, Seattle, WA, September 2006
20. Delamarter, R.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., MS, Shen, M., Pradhan, B.B.: 1 Versus 2 Versus 3-Level Lumbar Artificial Disc Replacement- A Prospective Report of Clinical Outcomes with the Pro-Disc-L Device. North American Spine Society, Annual Meeting, Seattle, WA, September 2006
21. Shen, M., Pradhan, B.B., Bae, H., **Kropf, M.A.**, Spayde, E., Delamarter, R.B.: Single Level Artificial Disc Replacement at L-4-5 Versus L5-S1-Is there any Difference in technique, Morbidity, or result? North American Spine Society, Annual Meeting, Seattle, WA, September 2006
22. Shen, M., Bae, H., **Kropf, M.A.**, Delamarter, R.B., Pradhan, B.B.: Single Level Artificial Disc Replacement at L4-5 Versus L5-S1: Is there any Difference in Technique, Morbidity or Result? Scoliosis Research Society Annual Meeting, Monterey, CA, September 2006
23. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A.,MS, Delamarter, R.B.: Effect of Motion Preserving Reconstruction on Spinal Alignment: Cervical Segmental and Overall Coronal and Sagittal Alignment after 1 to 3-level Disc Replacement (Proc-Disc-C) Versus Fusion. Western Orthopaedic Association Annual Meeting, Santa Fe, NM, Oct. 2006.
24. Pradhan, B.B., Bae, H., **Kropf, M.A.**, Kanim, L.E.A., MS, Delamarter, R.B.: 1 Versus 2 Versus 3-Level Lumbar Artificial Disc Replacement- A Prospective Report of Clinical Outcomes with the (Pro-Disc-L) Device. Western Orthopaedic Association Annual Meeting, Santa Fe, NM, Oct. 2006.
25. Delamarter, R.B., Pradhan, B.B., **Kropf, M.A.**, Bae, H.: Spinal Alignment after 1to 3 Level Cervical Disc Replacement: (Pro-Disc-C) Versus Fusion: Segmental and Overall Coronal and Sagittal Alignment. Cervical Spine Research Society Annual Meeting, Palm Beach, FL., Dec. 2006
26. Pradhan, B.B., Kanim, L.E.A., Bae, H., **Kropf, M.A.**, Delamarter, R.B.: Cervical Disc Replacement: Over 3-Year Prospective Randomized Clinical Outcomes with (Pro-Discs-C.) American Academy of Orthopaedic Surgeons, San Diego, CA, Feb. 2007

27. Pradhan, B.B., Kanim, L.E.A.,MS, Bae, H., **Kropf, M.A.**, Delamarter, R.B.: 1 to 3 Level Cervical Disc Replacements Prospective Clinical Outcomes with (Pro-Disc-C). American Academy of Orthopaedic Surgeons, San Diego, CA, Feb. 2007
28. Pradhan, B.B., Shen, M., Bae, H., **Kropf, M.A.**, Delamarter, R.B.: 3 and 4-Level Anterior Cervical Discectomy and Fusion with rhBMP-2, allograft, and Dynamic Plate: Fusion Rates, Subsidence, Radiographic Incorporation and Complications. Orthopaedic Research Society Annual Meeting, San Diego, CA Feb. 2007

Educational Meetings/Faculty:

1. Faculty – Presentation, Synthes Spine AORN Course
2. Faculty - Spine Summit Course
Anterior/Posterior Cervical Spine Surgery for 3 Level or Greater Disc Disease, Lumbosacral Fusion Below Previous Scoliosis Fusion in the Adult Patient, Threaded Interbody Cage - Revision Surgery, TLIF – Symposium, , DePuy AcroMed, Inc. Vail, Colorado March 2000
3. Faculty - Current Techniques in Lumbosacral Fixation
Minimizing Complications in Lumbosacral Surgery, Posterior Lumbar Interbody Fusion via TLIF Approach Posterior Oblique Approach, Revision Surgery in the Pedicle Screw Fusion Patient, Complications Iliac Crest Bone Graft Site, Medtronic Sofamor Danek, November 2001
4. Faculty - Spine Education Summit
TLIF Procedure - Posterior Oblique Technique, Sacroiliac Joint Fusion with Vertigraft, DePuy AcroMed, Inc. November 2001
5. Clinical Experience- EBI Spine Symposium
Cervical Disc Replacement, San Diego, California, March 2005

Research Investigator

1. Disc Replacement/ProDisc Lumbar and cervical, Co-investigator
2. Corflex/Paradigam Spine, Co-investigator
3. Kyphoplasty Research Protocol, Co-Investigation Rick B. Delamarter
4. Spine Tech BAK-C (Cervical) Anterior Cervical Fusion
5. Synthes Syncage Randomized Protocol, Anterior Lumbar Instability Fusion Model