

CURRICULUM VITAE

Kirk Kindsfater, M.D.

Work Address:

Orthopaedic Center of the Rockies
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EMPLOYMENT

Orthopaedic Center of the Rockies – Adult Reconstruction – 1995 to present

EDUCATION

University of Colorado Health Sciences Center, Denver, Colorado
Degree: Doctor of Medicine – May 1989

Colorado State University, Ft. Collins, Colorado
Degree: Bachelor of Science, Mechanical Engineering – December 1983

POST GRADUATE TRAINING

- 1994-1995 Adult Reconstructive Fellow,
 Brigham and Women's Hospital,
 Harvard School of Medicine, Boston, Massachusetts
- 1993-1994 Chief Resident, Department of Orthopaedics,
 University of Colorado Health Sciences Center,
 Denver, Colorado
- 1990- 1993 Resident, Department of Orthopaedics,
 University of Colorado Health Sciences Center,
 Denver, Colorado
- 1989-1990 Intern, Department of Surgery,
 University of Colorado Health Sciences Center,
 Denver, Colorado

AWARDS AND HONORS

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| 1993, 1991 | Hamilton I. Barnard Award
Outstanding Research in Orthopaedics,
UCHSC Department of Orthopaedics |
| 1992 | Winner Highlight Paper Award,
Orthopaedic Trauma Association Annual Meeting |
| 1989 | Graduated with Honors, UCHSC – Class Rank 1 st
George Packard Award – Outstanding Record in surgery
UpJohn Achievement Award – Outstanding Academic
Achievement |
| 1988 | Elected to Alpha Omega Alpha, Medical Honor Society
Lange Award – Outstanding Medical Student |
| 1986 | Lange Award – Outstanding Medical Student |
| 1983 | Graduated Cum Laude – Colorado State University
Elected to Phi Kappa Phi – National Honor Society |
| 1982 | Elected to Tau Beta Pi – National Engineering Honor Society
Elected to Pi Tau Sigma – National Mechanical Engineering
Honor Society |

PAPERS, ABSTRACTS AND POSTER PRESENTATIONS

1. Kindsfater, K.: Stemless Revision TKA Utilizing Press-Fit Metaphyseal Sleeves: Mid Term Results of a Novel Technique. E-Poster presentation, International Society for Technology in Arthroplasty, Kyoto, Japan, September 2014.
2. Kindsfater, K.: Stemless Revision TKA Utilizing Press-Fit Metaphyseal Sleeves: Mid Term Results of a Novel Technique. Podium presentation International Congress for Joint Replacement, Kona, Hawaii, July 2014.
3. Kindsfater, K., Barrett, W., Dowd, J., Lesko, J.: Ten Year Survivorship with a Modular Cup: Results of a Large Multicenter Study. Poster presentation, International Congress for Joint Replacement, Kona, Hawaii, July 2014.
4. Johnson, D., Dennis, D., Kindsfater, K., Kim, R.: Evaluation of Total Knee Arthroplasty Performed With and Without Computer Navigation: A Bilateral Total Knee Arthroplasty Study. Journal of Arthroplasty, Vol. 28 (3): 455-8. March, 2013.

5. Kindsfater, K., Sherman, C., Bureau, C.: A Prospective Study of Moderately Crosslinked Lateralized Liners: Minimum 5 Year Clinical and Radiographic Follow-Up. Poster presentation, International Society for Technology in Arthroplasty, Sydney, Australia, October, 2012.
6. Barrett, W., Kindsfater, K., Lesko, J.: Large Diameter Modular Metal-on-Metal Total Hip Arthroplasty: Incidence of Revision for Adverse Reaction to Metallic Debris. *Journal of Arthroplasty*, Vol. 27(6), 976-83, June, 2012.
7. Kindsfater, K., Sychterz - Terefenko, C., Gruen, T.: Five Year Minimum Results of Modular Metal on Metal THA, *Journal of Arthroplasty*, Vol. 27 (4), 545-550, April, 2012.
8. Kindsfater, K., Sherman, C., Bureau, C., Sychterz – Terefenko, C.: Stemless Revision TKA Utilizing Press-Fit Metaphyseal Sleeves: Early Results of a New Technique. Poster presentation, International Society for Technology in Arthroplasty, Bruges, Belgium, September, 2011.
9. Barrett, W., Kindsfater, K., Lesko, J.: Large Diameter Modular Metal-on-Metal Total Hip Arthroplasty: Assessment of Soft Tissue Adverse Events. Podium presentation, AAOS, San Diego, California, 2011.
6. Kindsfater, K., Dennis, D., Politi, J.: Incidence of Femoral Version Change In Primary Total Hip Arthroplasty with a Modular Femoral Component. *Orthopaedics*, April, 2011.
7. Kindsfater, K., Sychterz, C., Gruen, T.: Five Year Minimum Results of Modular Metal on Metal THA. Podium presentation, International Society for Technology in Arthroplasty, Dubai, UAE, October 2010.
8. Kindsfater, K.: Stemless Revision TKA Utilizing Press Fit Metaphyseal Sleeves. White paper, May, 2010.
9. Kindsfater, K., Bureau, C., Sherman, C.: Unrecognized Acetabular Component rotation with Formation of a Pseudoarticulation After Total Hip Arthroplasty. *J Arthroplasty*. 2010 Apr; (3): 498. e 11-4. Epub Feb 2009.
10. Kindsfater, K., Roche, M., Gruen, T., Warriner, G.: In Vivo Performance of Third Generation Polyethylene in a Prospective, Randomized, Controlled Trial. Poster, AAOS, New Orleans, Louisiana, 2010.
11. Kindsfater, K., Dennis, D., Politi, J.: Incidence of Femoral Version Change In Primary Total Hip Arthroplasty with a Modular Femoral Component. Poster, Orthopaedic Research Society, New Orleans, Louisiana, 2010.

12. Kindsfater, K., Roche, M., Gruen, T., Warriner, G.: In Vivo Performance of a Third Generation Polyethylene in Total Knee Arthroplasty: A Prospective Randomized Trial. Podium presentation, AAHKS, Dallas, Texas, November, 2009.
13. Dennis, D., Kindsfater, K., Johnson, D., Kim, R.: Evaluation of TKA Performed With and Without Computer Navigation: A Bilateral TKA Study. Podium presentation, AAHKS, Dallas, Texas, November 2009.
14. Dennis, D., Kindsfater, K., Johnson, D., Kim, R.: Evaluation of TKA Performed With and Without Computer Navigation: A Bilateral TKA Study. Kona, Hawaii, October, 2009.
15. Kindsfater, K., Dennis, D., Politi, J.: Incidence of Femoral Version Change in Primary Total Hip Arthroplasty with the SROM Femoral Component. Podium presentation, International Society of Technology in Arthroplasty, Kona, Hawaii, October, 2009.
16. Kindsfater, K., Barrett, W., Dowd, J., Southworth, C. : Midterm Survival of a Multiliner Acetabular Cup – 1593 Consecutive Total Hip Replacements. Poster presentation, EFORT Conference, Vienna, Austria, June 2009.
17. Dowd, J., Kindsfater, K., Barrett, W., Dalury, D., Southworth, C.: Large Femoral Heads can Help Reduce Risk of Dislocation In THR. Podium, AAOS Proceedings, San Francisco, California, 2008.
18. Dowd, J., Barrett, W., Kindsfater, K., Dalury, D., Southworth, C.: Large Femoral Heads Can Help Reduce Risk of Dislocation in THR. Podium, AAHKS, Dallas, Texas, November, 2007.
19. Barrett, W., Kindsfater, K., Dowd, J., Southworth, C.: Delayed Hypersensitivity in Total Hip Replacements with Metal-On-Metal Bearings. Podium, Western Orthopaedic Association annual meeting, July, 2007.
20. Kindsfater, K., Barrett, W., Dowd, J., Southworth, C., Cassell, M.: Mid-Term Survival of the Pinnacle Multi Liner Acetabular Cup in a Prospective Multi-Center Study. Poster, AAOS, San Diego, California, 2007
21. Kindsfater, K., Spitzer, A.I., Schafer, J.L., Scott, R.S.: Bipolar Hemiarthroplasty for primary osteoarthritis of the hip: a review of forty-one cases with eight to ten year follow-up. Orthopedics, 21(4), 425-431, April, 1998.
22. Kindsfater, K., Wilson, M.G., Thomas, W.H.: Management of the Rheumatoid hindfoot with special emphasis on talonavicular arthrodesis.

Clin. Orthop., Vol. 340, 69-75, July, 1997.

23. Kindsfater, K., Scott, R.D.: Recurrent hemarthrosis after total Knee arthroplasty. Journal of Arthroplasty, Vol 10(Supplement), 52-56, November, 1995.
24. Kindsfater, K., Jonassen, E.A.: Osteomyelitis in Grade II and Grade III Open tibia fractures with early and late debridement. Journal of Orthopaedic Trauma, Vol. 9(2), 121-127, February, 1995.
25. Kindsfater, K., Lowe, T., Lawellin, D., Wienstein, D., Akmakjian, J.: Platelet Calmodulin levels in adolescent idiopathic scoliosis – prediction of curve progression and severity. Journal of Bone and Joint Surgery, 76-A, 1186-1193, August, 1994.
26. Kindsfater, K., O'Brien, T., Piatt, B. Motz, H.A., Hsin, J.: Effects of hyperbaric oxygen on rabbit tendo-achilles healing. Orthopaedic Transactions, Vol. 16, No.2, summer, 1992, 304.

BOOK CHAPTERS / SYMPOSIA / MONOGRAPHS

1. Kindsfater, K., Froimson, M., : Total Hip Arthroplasty: Using Clinical Performance to Guide Implant Selection. Orthopaedics Today, January 2012.
2. Kindsfater, K., Trousdale, R., Austin, M., Dowd, J., Rodriguez, J.: Redefining Success in Revision Total Knee Arthroplasty, Orthopaedics Today, January 2011.
3. Kindsfater, K., Dennis, D., Ranawat, C., Dowd, J., Nevins, R., Barrett, W.: Advances in Orthopaedic Treatment with mobile Bearing Knees, Orthopaedics Today, August 2010.
4. Kindsfater, K.: Recurrent Hemarthrosis After Total Knee Arthroplasty. In: Knee Surgery- Complications, Pitfalls, and Salvage. 1st ed. New York: Springer-Verlag, 2001:361-363.

PRESENTATIONS / PROGRAMS

1. Faculty, Revision TKA Learning Center, Atlanta, Georgia, October, 2013.

2. Invited International Guest Speaker, DePuy Revision Hip and Knee Symposium, Gold Coast, Australia. September, 2013.
3. Faculty, Revision TKA Learning Center, Las Vegas, Nevada, February 2013.
4. Faculty, Update on Bearing Surfaces and Clinical Results of the Pinnacle Acetabular Cup System, THA Symposium, AAHKS, Dallas, Texas, 2012.
5. Faculty, Revision TKA Learning Center, Raynham, Massachusetts, August, 2012.
6. Faculty, Revision THA Sales Training, Chicago, Illinois, May 2012.
7. Faculty, High Performance TKA Learning Center, Las Vegas, Nevada, February, 2012.
8. Faculty, High Performance TKA Learning Center, Dallas Texas, November, 2011.
9. Faculty, THA and TKA Advanced Learning Center, Las Vegas, Nevada, October, 2011.
10. DePuy Speakers Bureau, " Revision TKA Utilizing Press-Fit Metaphyseal Sleeves", Chicago, Illinois, July, 2011.
11. Faculty, TKA Learning Center, DePuy Orthopaedics, Denver, Colorado June, 2011.
12. DePuy Speakers Bureau, "Revision TKA Utilizing Press-Fit Metaphyseal Sleeves", San Francisco, California, June 2011.
13. Faculty, TKA Learning Center, DePuy Orthopaedics, San Francisco, California, June 2011.
14. DePuy Speakers Bureau, "Revision TKA Utilizing Press-Fit Metaphyseal Sleeves", Dallas, Texas, May 2011.
15. Faculty, TKA Learning Center, DePuy Orthopaedics, Dallas, Texas, May 2011.
16. Faculty, TKA Learning Center, DePuy Orthopaedics, Memphis, Tennessee, April, 2011.
17. Faculty / Invited Speaker, DePuy National Sales Meeting, Orlando, Florida, January, 2011.

18. Faculty, TKA Learning Center, DePuy Orthopaedics, St. Louis, Missouri, December, 2010.
19. Depuy Speakers Bureau, "Alternative Bearing Surfaces in THA", Phoenix Arizona, November, 2010.
20. Depuy Speakers Bureau, "Alternative Bearing Surfaces in THA", Denver, Colorado, October, 2010.
21. Faculty, Revision TKA Learning Center, DePuy Orthopaedics, Las Vegas Nevada, September, 2010.
22. Invited International Faculty," Debating Solutions in Total Hip Replacement", Rome, Italy. May, 2010.
23. Faculty Revision TKA Learning Center, DePuy Orthopaedics, Raynham, Massachusetts. Performed Cadaver dissections with implantation of press fit sleeves without stems. April, 2010.
24. Invited Speaker / Faculty, DePuy National Sales Meeting, Phoenix, Arizona January, 2010.
25. Faculty Revision TKA Learning Center, DePuy Orthopaedics, Dallas, Texas. Performed cadaver dissections with implantation of femoral sleeves without stems. November, 2009.
26. Faculty sales training, Depuy Orthopaedics, Dallas, Texas. November, 2009.
27. DePuy Speakers Bureau, "Managing Bone Defects in Revision TKA, " Stemless Revision TKA Utilizing Press Fit Metaphyseal Sleeves", Honolulu, Hawaii, October, 2009.
28. Insall Traveling Fellows Conference, University of Colorado Health Sciences Center, "Stemless Revision TKA Utilizing Press Fit Metaphyseal Sleeves", October, 2009.
29. Faculty High Performance Learning Center, DePuy Orthopaedics, Seattle, Washington. Performed cadaver dissection with HP instruments. Presented "High Flex TKA, CR 150. April, 2009.
30. Faculty, High Performance Learning Center, DePuy Orthopaedics, Tuscon, Arizona. Performed cadaver dissection with implantation of press fit metaphyseal sleeves without stems. May, 2009.

28. Faculty, High Performance Learning Center, DePuy Orthopaedics, Phoenix, Arizona, February, 2009. Presented "Optimized Mid Vastus Approach for TKA". Performed cadaver dissection and TKA implantation New instruments for surgeon attendees of the course.
29. DePuy Speaker Bureau, Advances in Technology in THA and TKA, Minneapolis, Minnesota, November, 2008.
30. Faculty, Revision TKA Course/High Performance Learning Center, DePuy Orthopaedics, Dallas, Texas, November, 2008. Presented "RP TKA" and "Management of Infections in TKA". Performed cadaver dissection and Implantation of RP TKA.
31. Depuy Speaker Bureau, Metal on Metal THA and RP TKA, Loveland, Colorado, August, 2008.
32. Faculty, High Performance Learning Center, DePuy Orthopaedics, Celebration, Florida, April, 2008. Presented "Optimized Mid Vastus Approach for TKA". Performed cadaver dissection and TKA implantation with new instruments for surgeon attendees of the course.
33. Faculty, High Performance Learning Center, DePuy Orthopaedics, Chicago, Illinois, March, 2008. Presented " High Performance Fixed Bearing TKA", "Survivorship of RP TKA". Performed cadaver dissection and TKA implantation with new instruments for surgeon attendees of the course.
34. Faculty High Performance Learning Center, DePuy Orthopaedics, Las Vegas, Nevada, February, 2008. Presented "High Performance Fixed Bearing TKA". Performed cadaver dissection and TKA implantation with new instruments for surgeon attendees of the course.
35. Faculty, Transforming Orthopaedics: Advanced Outcomes and Techniques, Vail, Colorado, February, 2008.
36. Depuy Speaker Bureau, Metal on Metal THA, Shreveport, Louisiana, October, 2007.
37. Depuy Speaker Bureau, Metal on Metal THA, Houma, Louisiana, September, 2007.
38. Depuy Speaker Bureau, Metal on Metal THA, New Orleans , Louisiana, June, 2007.
39. The "Millenium Patient", National Video Conference, moderator, Denver,

Colorado, April, 2007.

40. Depuy Speaker Bureau, Rotating Platform TKA, St. Louis, Missouri, March, 2007.
41. Depuy Speaker Bureau, Rotating Platform TKA, Denver, Colorado. March, 2007.
42. Faculty, Depuy Sales Training Meeting, RP TKA, Dallas, Texas, 2007.
43. Insall Traveling Fellows Conference, Simultaneous Bilateral RP TKA: CAS vs Standard Technique. 2006
44. Alternative Bearing Surfaces in Total Joint Arthroplasty, National Video Conference, moderator and speaker, "Metal / Metal THA. Denver, Colorado, 2006.
45. Insall Traveling Fellows Conference, Computer Assisted TKA – Early Lessons Learned, Denver, Colorado, 2005.
46. Faculty, Ci, Computer Assisted TKA, San Diego, California, 2005.
47. Faculty, Maximizing Performance in Primary Total Joint Replacement, Metal/Metal THA, La Jolla, California, 2005.
48. Depuy Speaker Bureau, Innovations in Total Joint Arthroplasty, Metal on Metal THA, Ft. Collins, Colorado, 2005.
49. Depuy Midwestern Surgeon Panel, Metal on Metal THA – An Ionizing Decision, San Francisco, California, 2005.
50. Depuy Speaker Bureau, Metal / Metal THA, El Paso, Texas, 2005.
51. Depuy sales training, Metal on Metal THA, Colorado Springs, Colorado, 2005.
52. Faculty, Maximizing Performance in Primary Total Joint Replacement, Patello-Femoral Arthroplasty, La Jolla, California, 2005.
53. Northern Colorado Orthopaedic Conference, Rotating Platform TKA, Ft. Collins, Colorado, 2005.
54. Depuy Speaker Bureau, Metal / Metal THA, Albuquerque, New Mexico, 2005.
55. University of Colorado Residents Conference, Denver, Colorado, Metal /

Metal THA, 2005.

56. Insall Traveling Fellows Conference, Denver, Colorado, CAS TKA – Early Lessons Learned, 2005.
57. Depuy Western Sales Meeting, Metal / Metal THA – An Ionizing Decision, Las Vegas, Nevada, 2005.
58. Depuy Ci TKA Course, San Diego, California, CAS TKA – Early Lessons Learned, 2005.
59. Depuy Mountain Surgeon Panel, CAS TKA – Early Lessons Learned, Phoenix, Arizona, 2004.
60. Faculty, Maximizing Performance in Primary Total Joint Replacement, Metal/Metal THA, an Ionizing Decision. Scottsdale, Arizona, 2004.
61. Rocky Mountain Chapter Western Orthopaedic Association, Colorado Springs, Colorado, 2003. Metal/Metal THA.
62. Northern Colorado Orthopaedic Conference, Ft. Collins, Colorado, 2002. Mini Dose Coumadin Therapy in Total Joint Arthroplasty.
63. Program Chair, Rocky Mountain Chapter Western Orthopaedic Association, 2001, 2002.
64. Faculty, Clinical Management of the Arthritic Hip and Knee, Unicompartmental Knee Arthroplasty, Rancho Mirage, Ca., 1996.
65. University of Colorado, Department of Orthopaedics, “The Boston Joint Experience”, Grand Rounds, Denver, Colorado, 1996.
66. AAOS Scientific Meeting, , Platelet Calmodulin Levels in Idiopathic Adolescent Scoliosis, New Orleans, La. 1994
67. Scoliosis Research Society, Platelet Calmodulin Levels in Idiopathic Adolescent Scoliosis, Dublin, Ireland, 1993.
68. AAOS Scientific Meeting, Osteomyelitis in GII and GIII Open Tibial Fractures with Early and Late Debridement, San Francisco, Ca., 1993.
69. AAOS Orthopaedic Trauma Association Specialty Day, Osteomyelitis in GII and GIII Open Tibial Fractures with Early and Late Debridement, San Francisco, Ca., 1993.
70. Rocky Mountain Chapter Western Orthopaedic Association, Tendo Achilles

Healing in Rabbits with Hyperbaric Oxygen, Denver, Co., 1993.

71. Orthopaedic Trauma Association, Osteomyelitis in GII and GIII Open Tibial Fractures with Early and Late Debridement, Minneapolis, Minnesota., 1992.
72. American Orthopaedic Association Residents Conference, Tendo Achilles Healing in Rabbits with Hyperbaric Oxygen, Ann Arbor, Michigan, 1992.
73. Colorado Trauma Symposium, Osteomyelitis in GII and GIII Open Tibial Fractures with Early and Late Debridement, Denver, Co., 1992.

DESIGN PROJECTS

1. Currently involved with acetabular design projects – DePuy Orthopaedics.
2. Femoral cutting block for TC3, HP revision TKA instrumentation. In conjunction with DePuy Orthopaedics. 2010-2011.
3. Titanium foam acetabular wedges and buttresses. Titanium foam press fit metaphyseal sleeves for revision TKA. In conjunction with DePuy Orthopaedics. 2008 – 2010.
4. “Revolution” cement delivery system. Stryker Orthopaedics. 2001.

PAST and CURRENT RESEARCH

1. AOX polyethylene in Attune and Sigma RP TKA. Clinical performance and long term clinical outcomes. In conjunction with DePuy Orthopaedics. Current.
2. AltrX polyethylene in GRIPTION Acetabular Shell. Clinical performance and long term clinical outcomes. In conjunction with DePuy Orthopaedics. Current.
3. ASR Post Market Surveillance Study. FDA required 522 Study in conjunction with DePuy Orthopaedics. Radiographic, MRI and serum metal level evaluation. Current.
4. Stemless Revision TKA Utilizing Press-Fit Metaphyseal Sleeves: Mid-term results of a Novel Technique. Independent clinical study. Current.

5. Modular Metal on Metal Post Market Surveillance Study . FDA required 522 Study in conjunction with DePuy Orthopaedics. Radiographic, MRI and serum metal level evaluation. Current.
6. Attune Clinical Evaluation – 10004, evaluation Attune CR RP TKA-Comparitive data base for early evaluators Attune TKA. Current
7. Attune Clinical Evaluation – 10003, evaluation CR RP Sigma TKA – Comparative data base for early evaluators Attune TKA. Current.
8. Summit Cemented Stem Clinical Evaluation. Clinical performance and long term clinical outcomes. In conjunction with DePuy Orthopaedics. Current.
9. Modular Metal on Metal THA, 5 Year Minimum Results. In conjunction with DePuy Orthopaedics. 2010.
10. Incidence of Version Change in Primary Total Hip Arthroplasty with the SROM Femoral Component. Independent clinical study. 2008 – 2009.
11. Bilateral Simultaneous RP TKA: CAS vs Standard Technique. Independent clinical study. 2006.
12. Lead Investigator Bannister Cobalt/Chrome tibial tray / highly crosslinked polyethylene, multi-center study, in conjunction with Depuy Orthopaedics. 2004-Present.
9. Pinnacle Cup Clinical Study, Clinical Investigator, in Conjunction with Depuy Orthopaedics. 2001- 2012.
10. Ultima bead blasted vs. Ultima polished collarless stem. Clinical Investigator, in conjunction with Johnson and Johnson Orthopaedics, 1998-2000.
11. Clinical Fellow, Implant Retrieval Study, Orthopaedic Research Laboratory, Harvard School of Medicine, Massachusetts Institute of Technology, Brigham and Women's Hospital, Boston, Ma. Developed a system of grading and cataloging damage and wear of retrieved orthopaedic implants.

TEACHING EXPERIENCE / APPOINTMENTS

1. Associate Clinical Professor, Department of Orthopaedics, University of Colorado, Denver, Co., 1995-2000.

2. Clinical Faculty, Denver VA Medical Center, Denver, Colorado, 1996-2000.
3. Clinical Faculty West Roxbury VA, West Roxbury, Ma., 1994-1995.
4. Clinical Fellow and Officer, Harvard University School of Medicine, Brigham and Women's Hospital, Boston, Ma., 1994-1995.

SOCIETIES / MEMBERSHIPS

1. Fellow, American Academy of Orthopaedic Surgeons
2. Member, American Association of Orthopaedic Surgeons
3. American Association of Hip And Knee Surgeons
4. Western Orthopaedic Association
5. Colorado Orthopaedic Society – President, 2002- 2005
6. Rocky Mountain Chapter Western Orthopaedic Association

ADDITIONAL INFORMATION

1. Consultant Depuy Orthopaedics – 2002 to present.
2. Depuy Mountain Region Surgeon Panel – 2002 to 2007.