

CURRICULUM VITAE

NAME: Alvin Howell Crawford, MD

DATE OF BIRTH: August 28, 1939

PLACE OF BIRTH: Memphis, Tennessee

WORK: Cincinnati Children's Hospital Medical Center
Division of Pediatric Orthopaedic Surgery
3333 Burnet Avenue, ML 2017
Cincinnati, Ohio 45229
Phone: (513) 636-4787
Fax: (513) 636-3928

EDUCATION: Tennessee A & I University
Bachelor of Science (with Highest Distinction), 1960

University of Tennessee College of Medicine
Medical Degree, 1964

TRAINING: Boston Naval Hospital
Rotating Internship (Medical Emphasis), 1964-1965

U.S. Naval Hospital (Boston)
Residency (General Orthopaedics), 1966-1968

Massachusetts General Hospital – Harvard, Boston City Hospital – Tufts)
Clinical Fellowship in Orthopaedics, 1968-1969

New England Baptist Hospital
Constructive Surgery of the Hip Fellowship, 1969

Children's Hospital Medical Center, Boston
Pediatric Orthopaedic Fellowship, 1970-1971

Alfred I. duPont Institute, Wilmington, Delaware
Pediatric Orthopaedic Fellowship, 1974

Harvard School of Public Health
Post Graduate: Program for Clinical Chief of Services, 1986

Xavier University
Physician Leadership & Management Certificate, 1991

BOARD
CERTIFICATION: American Board of Orthopaedic Surgery
September 22, 1972

MEDICAL

ASSOCIATIONS: Academy of Medicine of Cincinnati, Ohio
Alpha Omega Alpha Scientific Society
American Academy of Cerebral Palsy (Fellow)
American Academy of Orthopaedic Surgeons (Fellow)
American Academy of Pediatrics (Surgical Fellow)
American College of Surgeons (Fellow)
American Medical Association
American Orthopaedic Association
American Osteopathic Academy of Orthopaedics
Association for Academic Minority Physicians
Association of Children's Prosthetic Orthotic Clinics
Association of Military Surgeons of U.S.
Association of Tissue Bank Surgeons
Children's Hospital Alumni Association (Boston)
Cincinnati Medical Association
Cincinnati Orthopaedic Society
Cincinnati Pediatric Society
C. L. Mitchell Society
Federal Advisory Committee - Food and Drug Administration
Greater Cincinnati Scoliosis Society
J. Robert Gladden Society
Little People of America
Mid-America Orthopaedic Society
Midwest Foundation for Medical Care, Inc.
National Medical Association
Ohio Orthopaedic Society
Ohio State Medical Association
Pediatric Orthopaedic Society of North America
Queen City Orthopaedic Club
Scoliosis Association
Scoliosis Research Society
Society of Medical Consultants to Armed Forces
Society of Military Orthopaedic Surgeons

LICENSE: Ohio 350-41658
Kentucky 32952

HONORS &
AWARDS:

1. The National Medical Sloan Foundation Grant, 1962-1964
2. The Outstanding Resident's Award from the Boston Orthopaedic Club, 1970
3. The Carl Berg Traveling Fellowship of the Orthopaedic Research & Education Foundation, 1972
4. The Navy Commendation Medal for Establishing the First Pediatric Orthopaedic and Scoliosis Clinic for the Naval Regional Medical Center – San Diego, CA, 1975
5. Cine Golden Eagle Award designating the Seal of the U.S. Library of Congress for Scoliosis School Screening film; 1st Place at the National Council on Family Relations

- and 2nd Place at the Health and Science Communication Association – Washington, DC, 1979.
6. Citizen of the Year Award, Omega Psi Phi Fraternity – Cincinnati, OH, 1984.
 7. Medical Achievement Award, Kappa Alpha Psi, 1985.
 8. Outstanding Alumnus Award – University of Tennessee College of Medicine, Memphis, TN, 1987
 9. US Naval Department West African Training Cruise, 1987.
 10. Letter of Commendation: US Naval Department, 1987
 11. Commencement Speaker – University of Tennessee College of Medicine Graduation, Memphis, TN, 1988
 12. First Selected Media Speaker. AAOS, 1987-1990
 13. Armed Forces Reserve Medal for high standards of service and participation, 1988
 14. Outstanding Achievement Award in the Field of Medicine, Tennessee State University Alumni Association, 1989
 15. Outstanding Discussor Award, SRS, 1990
 16. Alfred Shands Award, AOA, 1991
 17. Appreciation for Desert Storm Participation, Cincinnati Academy of Medicine, 1991
 18. Brazilian Foot Society Honorary Member, Sao Paulo, Brazil, 1991
 19. Society Argentina Orthopaedic Traumatologic Infantile Honorary Member, Buenos Aires, Argentina, 1991
 20. American Osteopathic Orthopaedic Society, Honorary Member, Chicago, IL, 1992
 21. Alpha Omega Alpha Honor Society – Faculty Inductee, 1993
 22. Food & Drug Administration, Panel Member – Orthopaedic & Rehabilitation Devices, 1993
 23. POSNA – Chairman of the Program Committee of the Scientific Section, 1993.
 24. POSNA – Pioneer Award for Legg-Calve-Perthes Research Study, 1993
 25. Austrian-Swiss-German Traveling Fellowship Program sponsored by the AOA, 1995
 26. Elected to the Board of Trustees of the Orthopaedic Research & Education Foundation – Three year term, 1995
 27. Honored as Orthopaedic Scholar by the National Medical Association, 1995
 28. Honored by the Ohio Chapter of the National Neurofibromatosis Association for work in Neurofibromatosis, 1995
 29. Received prestigious Peter A. Aron Award by the National Neurofibromatosis Foundation, 1995.
 30. Who's Who in the Midwest for medical contributions in the field of Pediatric Orthopaedic Surgery, 1997-1998
 31. Elected to the Board of Directors of the AAOS – two year term, 1997
 32. Elected to the Board of Directors of the Good Samaritan Foundation, 1997
 33. Received Applause Magazine's Image Maker award for contributions in the field of Medicine, 1998
 34. Who's Who in the Midwest of medical contributions in the field of Pediatric Orthopaedic Surgery, 1998 – 1999
 35. Elected 1st Vice President of the SRS, 1998
 36. Elected President Elect of the SRS, 1999
 37. Elected NF, Inc. Scholar of the Year 2000
 38. Recipient of the 3rd Annual Recognition Award at the 15th Annual Black Client Workshop in recognition of outstanding contributions to improving the quality of life for Cincinnati's African American Community, as well as the entire city, 2000
 39. Elected 2000 – 2001 Vice President of the American Orthopaedic Association, 2000
 40. Elected President of the SRS, 2000
 41. Guest Speaker at Men's Day, Mt. Zion United Methodist Church: "My Turn", 2001

42. Presidential Guest Speaker at 77th Annual meeting of the French Orthopaedic Society (SOFCOT – Societe Francaise de Chirurgie Orthopaedique et Trasumatologique); Awarded honorary medal for work on Neurofibromatosis in Children; Awarded medal for achievements in field of endoscopic surgery of the spine via video-assisted thoracoscopic surgery at the General Assembly of the French Orthopaedic Society Meeting, 2002
43. Russell-Hibbs Award for Best Paper “Endoscopic Mechanical Spinal Hemi-epiphysiodesis Modifies Spine Growth”, SRS, 2003
44. Induction into the Memphis City Schools Hall of Fame, Memphis, TN, 2003
45. Delivered welcome address for the 71st AAOS Annual Meeting, 2004
46. Dedication of the Alvin H Crawford, MD, “Chair” in Pediatric Orthopaedics, Cincinnati Children’s Hospital Medical Center, 2004
47. Recipient of Founder’s Award, Cincinnati Pediatric Society, 2004
48. Recognition from Best Doctors in America, 2005-2006
49. Daniel Drake Medal Recipient, University of Cincinnati School of Medicine, 2006
50. Diversity Award, American Academy of Orthopaedic Surgeons, 2006
51. National Black College Alumni Hall of Fame Foundation, Inc. Inductee, 2007
52. Morehouse College “Candle in the Dark” Award for Excellence in Medicine, 2008.
53. Selected as one of “America’s Top Surgeons” by SLD Industries, Inc., 2008.

TEXTBOOKS:

1. **Crawford AH:** Pediatric Orthopaedic Surgery: A Syllabus of Lectures on Musculoskeletal Disorders of Growing Children and Adolescents. First Edition. International Color Image Laboratories. Burbank, CA 1981.
2. **Crawford AH:** Pediatric Orthopaedics for the Pediatrician. Children’s Hospital Medical Center Publication, Second edition. Cincinnati, OH 1983.
3. **Crawford AH, Oestreich AE:** Atlas of Pediatric Radiology. Goerg. Thieme verlag, Stuttgart, New York 1985.
4. **Crawford AH:** Pediatric Orthopaedic Surgery: A Syllabus of Lectures on Musculoskeletal Disorders of Growing Children and Adolescents. Second Edition. International Color Image Laboratories. Burbank, CA 1988.
5. **Crawford AH, Bagamery N:** Crawford’s Pediatric Orthopaedics for the Pediatric House Officer, Third Edition 1992.
6. **Crawford AH, Bagamery N:** Crawford’s Pediatric Orthopaedics for the Pediatric House Office, Fourth Edition 1996.
7. Vaccaro AR, Regan JJ, **Crawford AH**, Benzel EC, Anderson DG: Complications of Pediatric and Adult Spinal Surgery, New York, NY 2004.

CHAPTERS:

1. **Crawford AH:** Orthopaedic Section of Pediatric House Officers' Manual. Henry Ford Hospital publication. Detroit, Michigan 1975.
2. **Crawford AH:** Fractures in and About the Knee in Children, Orthopaedic Clinics of North America, Vol.7 #3, Pg. 639 - 1976
3. **Crawford AH:** Neurofibromatosis in the Pediatric Patient - Orthopaedic Clinics of North America, Vol.9 #1, Pgs. 11-24 - January 1978
4. **Crawford AH:** Diagnosis Dilemmas: An Orthopaedic Surgeon's Perspective. Arthritis in Childhood (Report of the Eightieth Ross Conference in Pediatric Research - Ross Laboratories). Columbus, Ohio 1980.
5. **Crawford AH, Cionni AS:** Management of Pediatric Orthopaedic Injuries. Topics in Emergency Medicine. October 1982.

6. **Crawford AH:** Neurofibromatosis and Limb Length Inequality. CIBA Symposium on the Musculoskeletal System, 1983.
7. **Crawford AH:** Orthopaedic Disorders of the Extremities. In: Current Pediatric Therapy. Gellis & Kagan (Editors), Philadelphia WB Saunders, 1984
8. **Crawford AH:** Neurofibromatosis. Chapter 27, Pediatric Orthopaedics. Lovell and Winter, Second Edition. J.B. Lippincott Company, Philadelphia, Pennsylvania, 1986.
9. **Crawford AH:** Scoliosis-Spinal Deformity in Myelomeningocele. In: Spine Bifida: A Multidisciplinary Approach. McLaurin, R.L.; Oppenheimer, S.; Dias, L.; Kaplan, W.E. Praeger, New York, 1986.
10. **Crawford AH,** Gabriel KR: Foot and Ankle Problems, Orthopaedic Clinics of North America, Vol. 18 #4 Pg. 649, 1987
11. **Crawford AH:** Orthopaedic Injuries in Children. In: Current Therapy in Emergency Medicine. Callahan, M.L. B.C. Decker, Inc. 99-1006, 1987.
12. **Crawford AH,** Esposito PW: Wrist Disorders in Children. In: The Wrist and Its Disorders. Lichtman, D. W.B. Saunders, Co., Chapter 27, 1988.
13. **Crawford AH:** Pitfalls and Complications of Fractures of the Distal Radius and Ulna in Children - Hand Clinics of North America, Vol.4 #3 Pgs. 403-413, 1988
14. **Crawford AH:** The Child's Foot: Orthopaedic Knowledge Update IV. March 1988.
15. **Crawford AH:** Jacobsen, S.T.: Hematologic Disorders in Children. In: Ped. Orthop. Canale & Beaty, 1991.
16. **Crawford AH:** Operative Treatment of Spine Fractures in Children. In: Operative management of Children's Fractures. Orthop. Clin of North Am., 1990, W.B. Saunders Company.
17. Roy DR, **Crawford AH:** Operative Management of Fractures of the Shaft of the Radius and Ulna. Orthopaedic Clinic of North America, Vol. 21 #2, Pg. 245-250, April 1990.
18. **Crawford AH:** Neurofibromatosis. Chapter 6 In: Pediatric Orthopaedics. Lovell and Winter, Third Edition. J.B. Lippincott Company, Philadelphia, Pennsylvania, 1990.
19. **Crawford AH:** Diagnosis and Treatment of Osteogenic Sarcoma (In progress)
20. **Crawford AH:** Neurologic Disorders of the Hip in Children In: The Hip and its Disorders Steinberg, M.E., W.B. Saunders pp. 440-469 June, 1991.
21. **Crawford AH:** Orthopaedic Injuries in Children. In: Current Practice of Emergency Medicine Second Edition B.C. Decker - pp.1229-1237 1991.
22. **Crawford AH:** Diabetic Foot Problems in Children In: The Diabetic Foot Ed.: G. James Sammarco - 1991. Lea & Febiger
23. **Crawford AH:** Foot Problems in Neurofibromatosis In: The Child's Foot and Ankle - J. Drennan, Editor - Raven Press, New York, New York, 1991
24. **Crawford AH:** Neurofibromatosis In: The Pediatric Spine Principles and Practice, vol. 2 - Stuart L. Weinstein, Editor, Raven Press, New York, 1994.
25. **Crawford AH:** Complications of Surgery in Neurofibromatosis In: Complications in Orthopaedic Surgery EPPS,; J. R. Bowen J.B. Lippincott Co., 1994.
26. **Crawford AH:** Foot and Ankle Fractures In: Skeletal Injuries in Children - Swiontkowski and Greene, Vol. 3, W.B. Saunders, Philadelphia, 1994.
27. **Crawford AH:** Use of the Cincinnati Incision IN: The Clubfoot - The Present and a View of the Future. George W. Simon, Editor, Springer Verlag, New York, 1994.
28. Wells RJ, Witte D, Ballard E, **Crawford AH,** George BA: "Osteogenetic Sarcoma". In: Neoplastic Diseases of Childhood, Vol. 2, Ed) Harwood Academic Publishers GmbH, Switzerland, 1994.
29. **Crawford AH:** Ankle Fractures in Children IN: Operative Treatment of Pediatric Fractures: Pearls and Pitfalls. Instructional Course Lectures, Vol 44. AAOS 1995.
30. **Crawford AH,** Ayyangar R, Durrett G: Congenital and Acquired Disorders for Pediatric Orthoses IN: Atlas of Orthotics and Assistive Devices, Third Edition. Mosby-Yearbook, Inc. Submitted November 1994.

31. **Crawford AH**, Ayyangar R, Durrett G: Congenital and Acquired Disorders. IN: AAOS: Atlas of Orthoses and Assistive Devices. Eds. B Goldberg and JD Hsu. 3rd Edition. Mosby-Year Book, December 1996.
32. **Crawford AH**: Congenital Clubfoot. IN: Orthopaedic Knowledge Update 1996. Ed. D Stanitski, 1996.
33. Rao SB, **Crawford AH**: Acquired and Traumatic Wrist Disorders in Children IN: The Wrist and Its Disorders, Second Edition. (DM Lichtman, AH Alexander, Eds.) W.B. Saunders Company. Chapter 30, pp. 540-561, 1997.
34. Rao SB, **Crawford AH**: Congenital and Developmental Wrist Disorders in Children IN The Wrist and Its Disorders, Second Edition. (DM Lichtman, AH Alexander, Eds.) W.B. Saunders Company, Chapter 29, pp. 509-539, 1997.
35. **Crawford AH**, Gabriel K: Dysplastic Scoliosis: Neurofibromatosis IN: The Textbook of Spinal Surgery, Second Edition. (KH Bridwell, RL DeWalk, Eds.). J.B. Lippincott Company.
36. **Crawford AH**: Acute Hematogenous Osteomyelitis. IN: Rheumatology News International. (T. Wallace, Assoc. Ed.)
37. **Crawford AH**: Neurofibromatosis IN: Pediatric Orthopaedics for Primary Care Givers. (P. Pizzutillo, Ed.) McGraw Hill. 101:363-368, 1996.
38. **Crawford AH**: Video-Assisted Thoracoscopy (VATS). IN: Spine State of the Art Reviews. Vol 11(2)341-359, 1997.
39. Glueck CJ, Freiberg R, Gruppo R, **Crawford A**, Roy D, et al: Thrombophilia and Hypofibrinolysis: Reversible Pathogenetic Etiologies of Osteonecrosis. Eds. James R. Urbaniak, M.D. and John Paul Jones, Jr., M.D. IN: AAOS Osteonecrosis-Etiology, Diagnosis and Treatment, Chapter 14, Pgs. 105-110, 1997.
40. **Crawford AH**: Fractures and Dislocations of the Foot and Ankle. In: Skeletal Trauma in Children. Ed. MF Swintkowski & NE Green) Philadelphia, W.B. Saunders. Pages 505-575, 1998.
41. **Crawford AH**: Neurofibromatosis. IN: Pediatric Orthopaedic Secrets. Ed. LT Staheli. Hanley and Belfus, Inc. Philadelphia, 1998.
42. **Crawford AH**: Video-Assisted Thoracoscopy. IN: SRS Instrumentation Manual. Ed. Rick McCarthy. May 1998.
43. Mehlman CT, **Crawford AH**: Video-Assisted Thoracoscopic Surgery: Pediatric Orthopaedic Applications. IN: Anterior Approaches to the Spine. Ed. Thomas A. Zdeblick. Quality Medical Publishing, Inc. Pages 150-155, 1999.
44. Bylski-Austrow DI, Wall EJ, Kolata RJ, **Crawford AH**: Endoscopic Nonfusion Spinal Hemiepiphysiodesis: Preliminary Studies in a Porcine Model. IN: Research into Spinal Deformities II. Ed IAF Stokes. IOS Press, 1999.
45. Vedantam R, **Crawford AH**: Multiple Non-Contiguous Injuries of the Spine in a Child: Atlanto-Occipital Dislocation and Seat-Belt Injury of the Lumbar Spine. To be published in: Injury (Ed: Nigel Tubbs).
46. **Crawford AH**: Clubfoot in Children. IN: Oxford's Textbook of Orthopaedics and Trauma. December 1999.
47. **Crawford AH**, Wolf RK and Wall EJ: Video-Assisted Thoracoscopy. IN: New Therapeutic Modalities (Disorders of the Pediatric Adolescent Spine). Ed. Deborah Stanitski. Orthopaedic Clinics of North America. 30(3):367-385, July 1999.
48. Wolf RK, Ohtsuka T, **Crawford AH**: Thoracoscopic Perspectives of Thoracic and Mediastinal Anatomy. IN: Thoracoscopic Spinal Surgery. Eds. C. Dickman, D Rosenthal, N Perin. Thieme Publishers, New York. 1999 p 49-55.
49. **Crawford AH**: Anterior Release of Spinal Deformities. IN: Thoracoscopic Spine Surgery. Eds. Dickman, et al. Thieme Medical Publishers, Inc. New York, 1999. P. 161-181.

50. **Crawford AH**, Wolf R: Spinal Deformities. IN: Minimal Access Cardiothoracic Surgery. (Yim APC, ed.). Chapter 40, pages 316-327. WB Saunders. October 1999.
51. Wolf RK, **Crawford AH**: Thoracoscopic First Rib Resection for Thoracic Outlet Syndrome. IN: Minimal Access Cardiothoracic Surgery. Ed. Yim, APC, et al. Chapter 41, pages 328-334. WB Saunders. October 1999.
52. **Crawford AH**, Gabriel K: Dysplastic Scoliosis: Neurofibromatosis. IN: The Textbook of Spinal Surgery. 3rd Edition. Eds: Bridwell KH and DeWald RL. J.B. Lippincott Company, Philadelphia. Chapter 24, pages 277-298, 1997.
53. **Crawford AH**: Stenotic Conditions in Children and Adolescents. IN: Lumbar Spinal Stenosis. Eds. Gunzburg, R and Szpalski, M. Lippincott Williams and Wilkins. Chapter 16, page 137-154, 2000.
54. **Crawford AH**: Neurofibromatosis. IN: The Pediatric Spine: Principles and Practice, 2nd Edition. SL Weinstein (Ed). Lippincott, Williams and Wilkins, Philadelphia. Chapter 25, pp. 471-490, 2001.
55. **Crawford AH**, Roy DR, Wall EJ, Mehlman CT: Rudolph's Textbook of Pediatrics. Orthopaedic Section. 21st Ed. McGraw-Hill Companies, Inc., 2002.
56. Newton PO, Betz R, Clements D, **Crawford AH**. Surgical Treatment by Thoracoscopic Methods IN: Adolescent Idiopathic Scoliosis, 1st Edition. PO Newton (Ed). American Academy of Orthopaedic Surgeons, Rosemont, IL. Chapter 7, pp 69-76, 2004.
57. **Crawford AH**, Al-Sayyad MJ: Miscellaneous Conditions of the Cervical Spine; Neurofibromatosis, Juvenile Rheumatoid Arthritis, and Rickets. IN: The Cervical Spine, 4th Edition. CR Clark (Ed). Lippincott, Williams and Wilkins, Philadelphia. Chapter 36, pp. 481-507, 2005.
58. Newton PO, Betz R, Clements D, **Crawford AH**: Frontier Instrumentation IN: Spinal Instrumentation Surgical Techniques. Kim DH, Vaccaro AR, Fessler RG (eds). Thieme, New York. Chapter 62, pp 424 – 431, 2005..
59. **Crawford AH**, Durrani AA: Surgical Management of Rigid Congenital Talipes Equinovarus (Clubfoot) IN: An Atlas of Foot and Ankle Surgery, 2nd Edition. Wulker N, Stephens MM, Cracchiolo A (eds). Taylor & Francis Group London and New York. Chapter 43, pp 387 – 397, 2005.
60. Herring JA, **Crawford AH**: Staying Out of Trouble with the Hip: Legg-Calve-Perthes, Slipped Capital Femoral Epiphysis, and Transient Synovitis vs. Septic Arthritis. Consulting Guru IN: Staying Out of Trouble in Pediatric Orthopaedics. Skaggs DL, Flynn JM (eds). Lippincott Williams & Wilkins New York. Chapter 22, pp 308 – 325, 2006.
61. **Crawford AH**, Herrera-Soto J: Shelf Arthroplasty in Children. Masters in Orthopaedic Surgery. Tolo, Skaggs (eds). In Press.
62. **Crawford AH**, Mehlman CT: Pediatric Critical Care Medicine: Basic Science and Clinical Evidence: Orthopedic Trauma. Wheeler, Derek S.; Wong, Hector R; Shanley, Thomas P. (Eds.). Springer-Verlag London Limited Pulicshing; Section XII, Chapter 132, pp 1589-1597, 2007.

PUBLICATIONS:

1. **Crawford AH**: Experiences with the Total Contact Below the Knee Cast and Early Weight Bearing in the Treatment of Tibial Fractures. US Navy Med, 57(2):15, 1971.
2. **Crawford AH**: Scoliosis: Diagnosis and Management in the Military Population. US Navy Med 64(4):13-16, 1974.
3. **Crawford AH**: A Discussion of Tendon Transfers in the Paralytic Foot. Arch of Ped Med and Foot Surg, 2(1):47-60, 1974.
4. **Crawford AH**: Legg-Perthes Co-existent with Acute Slipped Capital Femoral Epiphysis. JBJS 57-A(2):280-281, 1975.

5. **Crawford AH**, Herring JA: Experiences and Concepts in the Treatment of Congenital Dislocation of the Hip. *US Navy Med* 66(3):22-26, 1975.
6. **Crawford AH**, Jones CW, Perisho JE, Herring JA: hypnotic Control for Monitoring of Spinal Cord Activity During Surgery. *Anesth Analg* 55(1):42-44, 1976.
7. **Crawford AH**: Neurofibromatosis in the Pediatric Patient. *International Medical News Service*, April, 1976.
8. **Crawford AH**: Fractures About the Knee in Children. *Orthop Clin North Am* 7(3):639-656, 1976.
9. **Crawford AH**, Fonte DG, MacEwen GD: Slipped Capital Femoral Epiphysis Co-existent with Hypothyroidism. *CORR* 122:135-140, 1977.
10. **Crawford AH**: Bone Changes in Sickle Cell disease. *Michigan American Academy of Pediatrics* June, 1977.
11. **Crawford AH**: Missed Fracture Dislocation of the Elbow with Translocation of the Radius. *US Navy Med* 68:26-29, 1977.
12. **Crawford AH**: Neurofibromatosis in the Pediatric Patient. *Orthop Clin North Am* 9(1):121-23, 1978.
13. **Crawford AH**: Neurofibromatosis in Children. *Am Fam Physician* 17(3):163-170, 1978.
14. Medlar RC, **Crawford AH**: Frontometaphyseal Dysplasia Presenting as Scoliosis: A Report of a Family with Four Cases. *JBJS* 60-A(3):392, 1978.
15. Medlar RC, **Crawford AH**: Acute Hematogenous Osteomyelitis. *Orthop Rev* 7(11):145, 1978.
16. Towbin RB, **Crawford AH**: Neonatal Traumatic Proximal Femoral Epiphysiolysis. *Pediatrics* 63:456-459, 1979.
17. Malik GM, **Crawford AH**, Halter R: Swan-Neck Deformity Secondary to Osteomyelitis of the Posterior Elements of the Cervical Spine. *J Neurosurg* 50:388-390, 1979.
18. **Crawford AH**, MacEwen GD, Lokeitek W: Surgical Management of Idiopathic Scoliosis at the Alfred I duPont Institute. *Ohio State Med J* 75(8):513-517, 1979.
19. **Crawford AH**: Vertebrectomy and Homograft. *Med Tribune* 20(33):17, 1979.
20. Towbin RB, Ballard ET, **Crawford AH**: Muscle Necrosis Simulating Recurrent Osteosarcoma. *JBJS* 62-A(6):1024-1026, 1980.
21. Mason WT, **Crawford AH**: Osteomyelitis of the Femoral Neck in an Adolescent. *Orthop Consult* 1(8):9-12, 1980.
22. **Crawford AH**: Diagnostic Dilemmas: An Orthopaedic Surgeon's Perspective. *Arthritis in Childhood. Report of the eightieth Ross Conference in Pediatric Research.* Columbus, Ohio. Ross Laboratories, 1980.
23. Lonon WD, Jost LA, Perlman AW, Gelfand MJ, **Crawford AH**: Chronic Hypervitaminosis A. *Orthop Rev.* 10(3):93-97, 1981.
24. Lonon WD, **Crawford AH**: Ossicle of the Medial Meniscus in a Child. *Orthop Rev* 10(10):129-131, 1981.
25. **Crawford AH**: Special Effects of Athletics on Young Children. *Ohio's Health*, Third Quarter: 18-20, 1981.
26. **Crawford AH**: Neurofibromatosis in Childhood. *AAOS Instructional Course Lectures* Volume 30:556-574, 1981.
27. **Crawford AH**, Carothers TA: Hip Arthrography in the Skeletally Immature. *CORR* 162:54-60, 1981.
28. Towbin JA, Towbin RB, **Crawford AH**: Osteochondritis Dissecans of the Lateral Tibial Plateau. *JBJS* 64-A:783-784, 1982.
29. **Crawford AH**, Herring JA: Genu Recurvatum. *JPO* 2(1):97-100, 1982.
30. **Crawford AH**: What's on the Horizon? Editorial, *The Orthopaedic News.* *J Am Osteopath Academy of Orthopaedics.* 19(1), 1982.
31. Kaufman RA: Towbin RB, Babcock DS, **Crawford AH**: Arthro Sonography in the Diagnosis of Pigmented Villonodular Synovitis. *AJR* 139:3966-398, 1982.

32. **Crawford AH**, Marxen JL, Osterfeld DL: The Cincinnati Incision: A Comprehensive Approach for Surgical Procedures of the Foot and Ankle in Childhood. *JBJS* 64-A:1355-1358, 1982.
33. Marder JF, Tsang RC, Hug G, **Crawford AH**: Calcitriol Deficiency in Idiopathic Juvenile Osteoporosis. *Am J Dis Child*, 136:914-917, 1982.
34. **Crawford AH**, Cionni AS: Management of Pediatric Orthopaedic Injuries by the Emergency Medicine Specialist. *Topics in Emergency Medicine*, Aspen Press October, 1982.
35. Jacobsen ST, **Crawford AH**: Brachial Plexus Injury Following Risser Hyperextension Casting for Scheuermann's Disease. *Orthop* 5(9):1183-1185, 1982.
36. Jacobsen ST, **Crawford AH**: Humeroradial Synostosis. *JPO* 3(1):96-98, 1983.
37. Jacobsen ST, **Crawford AH**, Millar EA, Steel HH: The Syme Amputation in Patients with Congenital Pseudarthrosis of the Tibia. *JBJS* 65-A:533-537, 1983.
38. Lawhon SM, **Crawford AH**: Traction in the Treatment of Spinal Deformity. *Orthop* 6(4):447-451, 1983.
39. Jacobsen ST, **Crawford AH**: Congenital Vertical Talus. *JPO* 3:306-310, 1983.
40. Gelfand MJ, Ball WS, Oestrich AE, **Crawford AH** et al: Transient Loss of Femoral Head Tc-99m Diphosphonate Uptake with Prolonged Maintenance of Femoral Head Architecture. *Clin Nucl Med* 8(8):347-354, 1983.
41. Lonon WD, Lichtman DM, **Crawford AH**: The Problem: Triplane Fractures. *Orthop Consult* 4(9), 1983.
42. **Crawford AH**: Managing Children's Fractures About the Elbow. *Orthop News* 5(5):2, 1983.
43. **Crawford AH**, Oestreich AE: The Danger of Loss of Reduction of Supracondylar Elbow Fracture During Radiology. *JPO* 3(4):523, 1983.
44. Gelfand JJ, Strife JL, Graham EJ, **Crawford AH**: Bone Scintigraphy in Slipped Capital Femoral Epiphysis. *Clin Nucl Med* 8(12):613-615, 1983.
45. **Crawford AH**: Protrusio Occipiti Management of Cervico-Occipital Protrusion. *Orthop Trans* 7(1):32, 1983.
46. **Crawford AH**: Osteotomies in the Treatment of Slipped Capital Femoral Epiphysis. 1983 AAOS Instructional Course Lectures, CV Mosby Co 33-2(3):327-349, 1985
47. **Crawford AH**, Keifhaber T, Crawford AH: Briefly Noted: Intra-operative Restraint for Luque Wires. *Spine* 9(1):96-97 1984.
48. Karn MA, **Crawford AH**: Postoperative Nursing Management of the Patient Following Posterior Spinal Fusion. *Orthop Nurs* 3(2):21-25, 1984
49. Jacobsen ST, **Crawford AH**: Amputation Following Meningococemia: A Sequela to Purpura Fulminans. *CORR* 185:214-219, 1984.
50. Strife JL, Towbin R, **Crawford AH**: Hip Arthrography in Infants and Children: The Inferomedial Approach. *Radiol* 152:536, 1984.
51. Lawhon SM, Kahn III A, **Crawford AH**, Brinker MS: Controlled Hypotensive Anesthesia During Spinal Surgery: A Retrospective Study. *Spine* 9(5):450, 1984.
52. **Crawford AH**: The Cincinnati Incision. Letter to the Editor. *JBJS* 66-A(2):313, 1984.
53. Bloom ML, **Crawford AH**: Slipped Capital Femoral Epiphysis: An Assessment of Treatment Modalities. *Orthop* 8(1):36-40, 1985.
54. Jacobsen ST, Levinson JE, **Crawford AH**: Late Results of Synovectomy in Juvenile Rheumatoid Arthritis. *JBJS* 67-A(1):8-15, 1985.
55. Esposito PW, **Crawford AH**, Vogler C: Solitary Osteochondroma Occurring on the Transverse Process of the Lumbar Spine: A Case Report. *Spine* 10(4):398-400, 1985.
56. **Crawford AH**: Symposium: Legg-Calve-Perthes Disease. *Contemp Orthop* 11(2):65-108, 1985.

57. Bloom ML, **Crawford AH**: Slipped Capital Femoral Epiphysis: An Assessment of Treatment Modalities. Letter to the Editor in Response. *Orthop* 8(11):1340-1342, 1985.
58. **Crawford AH**: Going Barefoot: Pros and Cons. Questions and Answer. *Parent Magazine* 69(8):24, 1985.
59. **Crawford AH**, Bilbo JT, Schniegenberg GM: Subtalar Stabilization by Staple Arthrodesis in the Young Child. *Orthop Trans* 10(1):152, 1986.
60. **Crawford AH**: Neurofibromatosis in Children. *Acta Orthop Scan [Suppl]* 57(218):1-60, Munksgaard Copenhagen, 1986.
61. Jacobsen ST, **Crawford AH**, Hull CK: Nutritional Rickets, *JPO* 6:713-716, 1986.
62. **Crawford AH**, Canale ST, Morrissy RT, Weiner DM: Symposium: Slipped Capital Femoral Epiphysis. *Contempt Orthop* 13(5):71-118, November 1986.
63. Kraus RA, Macke J, Ball Jr. WS, **Crawford AH**: Popliteal Vein Compression by Fibular Osteochondroma: A Case Report. *Pediatric Radiol*, 1986.
64. **Crawford AH**, Bagamery N: Osseous Manifestations of Neurofibromatosis in Childhood. *JPO* 6(1):72-88, 1986.
65. Morgan RC, **Crawford AH**: Surgical Management of Tarsal Coalition in Adolescent Athletes. *Foot Ankle*, 7(3):183-193, 1986.
66. **Crawford AH**: Orthopaedic Aspects of Neurofibromatosis Congenital Bowing and Fracture Pseudarthrosis of the Tibia. *Neurofibromatosis Newsletter* 8(5):5-6, 1987.
67. **Crawford AH**: Stressed for Success. *Cincinnati Magazine*, 49-51, 1987.
68. Bruno L, **Crawford AH**: Unicameral Bone Cyst: Counterpoint, Surgery vs Injection. *Orthop Trans*. 11(3):520, 1987.
69. Oestreich AE, Mize WA, **Crawford AH**, Morgan RC: The "Anteater Nose": A Direct Sign of Calcaneonavicular Coalition on the Lateral Radiograph. *JPO* 7(6):709-711, 1987.
70. Cuadle RJ, **Crawford AH**, Gelfand MJ, Gruppo RA: Childhood Acute Lymphoblastic Leukemia Presenting as "Cold" Lesions on Bone Scan: A Report of Two Cases. *JPO*. 7(1):93-95, 1987.
71. **Crawford AH**, Berger TS: The Problem: Spinal Cord tumor in Patient Post-op Fusion with Harrington Rod Instrumentation. Solution: En Bloc Resection of Posterior Element Fusion Mass. Ft. Worth: Midas Rex Institute, 1987.
72. **Crawford AH**: The Effects of Tumors on Spinal Alignment. *Orthop Trans* 9(1):129, 1987.
73. Frank Jr DJ, **Crawford AH**: Intervertebral Disc Space Infection in Children (Discitis). *Orthop Trans* 11(2):220, 1987.
74. Anderson DJ, **Crawford AH**, Roy DR: Acute Septic Arthritis of the Hips in Infants and Young Children. *Orthop Trans* 11(2):226, 1987.
75. **Crawford AH**: Spinal Problems Associated with Neurofibromatosis. *Orthop Trans* 11(1):119, 1987.
76. Gabriel KR, **Crawford AH**: Foot and Ankle Problems. *OCNA* 18(4):649, 1987.
77. Gabriel KR, **Crawford AH**: Magnetic Resonance Imaging in a Child Who Had Clinical Signs of Discitis. Report of a Case. *JBJS* 70-A(6):938-941, 1988.
78. **Crawford AH**: Pitfalls and Complications of Fractures of the Distal Radius and Ulna in Childhood. *Hand Clinics of North America* 4(3):1402-1413, 1988.
79. Roy DR, **Crawford AH**: Chondrolysis of the Hip: Management by Subtotal Capsulectomy and Aggressive Rehabilitation. *JPO* 8(2):203-207, 1988.
80. Macke J, **Crawford AH**: The Use of ISSI to Control Sagittal Plane Deformity in Adolescent Idiopathic Scoliosis. *JPO* 8(4):333, 1988.
81. Cuadle RJ, **Crawford AH**: Augmented Acetabuloplasty: A Method to Obtain Comprehensive Coverage in Legg-Calve-Perthes Disease. *JPO* 8(4):490, 1988.

82. Gabriel KR, **Crawford AH**: Identification of Acute Posttraumatic Spinal Cord Cyst by Magnetic Resonance Imaging: A Case Report and Review of Literature. JPO 8(6):710-714, 1988.
83. **Crawford AH**: Slipped Capital Femoral Epiphysis. Current Concepts Review, JBJS 70-A:1422-1426, 1988.
84. **Crawford AH**, Shufflebarger HL: Point Counterpoint: Is Cotrel-Dubousset Instrumentation the Treatment of Choice for Idiopathic Scoliosis in the Adolescent Who Has inoperative Thoracic Curve. JPO 11(2):1579-1588, 1988.
85. Cuadle RJ, **Crawford AH**: Avulsion Fracture of the Lateral Acetabular Margin. JBJS 70-A:1568-1571, 1988.
86. **Crawford AH**: Pitfalls of Spinal Deformity Associated with Neurofibromatosis. CORR 245:29-42, 1989.
87. Gabriel KR, **Crawford AH**: Identification of Posttraumatic Spinal Cord Cyst by Magnetic Resonance Imaging: A Case Report and Review of Literature: Reviewed In: Pediatric Trama and Care 2(1):3, 1989.
88. Schorry BK, Stowens DW, **Crawford AH**: Summary of Data from a Multidisciplinary Neurofibromatosis Clinic. Neurofibromatosis 2(2):129-134, 1989.
89. Koo WW, Sherman R, Succop P, Krug-Wispe S, Tsang RC, Steichen JJ, **Crawford AH**, Oestreich AE: Fractures and Rickets in Very Low Birth Weight Infants: Conservative Management and Outcome. JPO 9(3):326-330, 1989.
90. Esposito PW, **Crawford AH**: False Aneurysm Arising From a Closed Femur Fracture in a Child. Orthop Review 17(1):114-118, 1989.
91. **Crawford AH**, Steel HH. Point Counterpoint: Operative vs Nonoperative Treatment of Slipped Capital Femoral Epiphysis. Orthopaedics 13(1):99-111, 1990.
92. **Crawford AH**, Bilbo JT et al. Subtalar Stabilization of the Planovalgus Foot by Staple Arthrorisis in Young Children Who Have Neuromuscular Problems. JBJS 72-A:840-845, 1990.
93. **Crawford AH**, Ferree B. Unicameral Bone Cyst . Orthopaedic Consultation 11(9):1-8, 1990.
94. Robinson W, **Crawford AH**. Infantile Fibrosarcoma: Report of a Case with Long-Term Follow-up. JBJS 72-A(2):291-294, 1990.
95. **Crawford AH**. Operative Management of Spine Fractures in Children. Orthopaedic Clinics of North America 21(2):325-341, 1990.
96. Roy DR, **Crawford AH**. Operative Management of Fractures of the Shaft of the Radius and Ulna. Orthopaedic Clinics of North America 21(2):245-251, 1990.
97. **Crawford AH**, Kucharzyk DW, Ruda RR, Smitherman HC. Diskitis in Children. CORR 266:70-79, 1991.
98. **Crawford AH**. Osteogenesis Imperfecta: Review Article. Current Opinion in Orthopaedics. Journal of Current Science. 2:404-405, 1991.
99. **Crawford AH**. Syndromes, Tumors, Infections and Trauma: Current Opinion in Orthopaedics. Journal of Current Science 2:406-407, 1991.
100. **Crawford AH**. The Making of an Orthopaedist – The Winds of Change. JBJS 73-A 9:1413-1417.
101. **Crawford AH**, Rang M, Armstrong P, et al. Symposium: Management of Fractures in Children and Adolescents. Contemporary Orthopaedics Part I 23:5:517-544; Part II 23:6:621-644, 1991.
102. Jacobsen FS, **Crawford AH**, Broste S. Hip Involvement in juvenile Rheumatoid Arthritis. J Pediatr Orthop 12(1):45-54, 1992.
103. **Crawford AH**. The Pediatric Foot. The Orthopaedic Knowledge Update IV, Home Study Guide, AAOS, 1992.
104. Gabriel KR, **Crawford AH**, Roy DR, et al. Percutaneous Epiphysiodesis. J Pediatr Orthop 14:352-362, 1994.

105. Rao SB, **Crawford AH**. Acetabular Protrusion Secondary to Pelvic Hemangioma. Clin Orthop 306:209-212, 1994.
106. Ruhnke CJ, **Crawford AH**, Roy DR: Results of Augmented Acetabuloplasty for the Treatment of Severe Legg-Calve-Perthes Syndrome. Orthopaedic Transactions 18:4, 1264, 1995.
107. Gabriel KR, Russell JM, **Crawford AH**, Roy DR. Femoral Lengthening in Patients Having Abnormal Ipsilateral Hip or Knee. Orthopaedics 18(5):437-444, 1995.
108. Rao SB, **Crawford AH**. Median Nerve entrapment After Dislocation of the Elbow in Children. Clin Orthop and Related Research 312:232-237, 1995.
109. Cullen MC, **Crawford AH**: The Management of Severe Avascular Necrosis Following Slipped Capital Femoral Epiphysis by Transtrochanteric Rotational Osteotomy. The Iowa Orthopaedic Journal 15:209-216, 1995.
110. **Crawford AH**, Jacobsen FS: Hematologic Diseases. Operative Ped. Orthop. 10:401-436, 1995.
111. **Crawford AH**: Slipped Capital Femoral Epiphysis. Contemporary Orthop. 31(6):369-378, 1995.
112. **Crawford AH**: Ankle Fractures in Children. Operative Treatment of Pediatric Fractures: Pearls and Pitfalls. Instructional Course Lectures 44:317-324, 1995.
113. Glueck CJ, **Crawford AH**, Roy DR, et al: Association of Antithrombotic Factor Deficiencies and Hypofibrinolysis with Legg-Perthes Disease. JBJS 78-A 1:3-13, 1996.
114. **Crawford AH**: Orthopaedic Complications of Von Recklinghausen's Disease in Children. Current Orthopaedics 10:49-55, 1996.
115. Nymberg S, **Crawford AH**: video-Assisted Thoracoscopy for the Release of the Anterior Spine in Patients with Scoliosis. AORN 63(3):56-575, 1996.
116. **Crawford AH**: Role of Osteotomy in the Treatment of Slipped Capital Femoral Epiphysis. JPO-B 5:102-109, 1996.
117. Rao SB, **Crawford AH**, Burger RR, et al: Open Bone Peg Epiphysiodesis for Slipped Capital Femoral Epiphysis. JPO 16:37-48, 1996.
118. Gupta AK, Roy DR, Conlan ES, **Crawford AH**: Torticollis Secondary to Posterior Fossa Tumors. JPO 16(4):505-507, 1996.
119. Gupta AK, **Crawford AH**: Solitary Bone Cyst with Epiphyseal Involvement: confirmation with Magnetic Resonance Imaging. JBJS 78-A(6):911-915, 1996.
120. Cullen MC, Roy DR, **Crawford AH**, Assenmacher J, Levy MS, Wen D: Open Fracture of the Tibia in Children. JBJS 78-A (7):1039-1047, 1996.
121. **Crawford AH**, Gupta AK: Clubfoot Controversies: Complication and Causes for Failure. AAOS Instructional Course Lectures 45:339-346, 1996.
122. **Crawford AH**: Neurofibromatosis. Pediatric Orthopaedics in Primary Care. 101:363-368 1996.
123. Rao SR, **Crawford AH**: Lateral Plantar Nerve Entrapment Following Rush-Rod Fixation for Congenital Pseudarthrosis of the Tibia. Orthopaedics 19:1043-1046, 1996.
124. Vendantam R, **Crawford AH**, Kuwajima SS: Aneurysmal Bone Cyst of the Clavicle in a Child: A Case Report and Review of the Literature. British Journal of Clinical Practice 50:8, 1996.
125. Mehlman CT, **Crawford AH**, McMillion TL, Roy DR: Operative Treatment of Supracondylar Fractures of the Humerus in Children: The Cincinnati Experience. Acta Ortho Belgica 62:1, 1996.
126. Glueck CJ, Brandt G, Grupp R, **Crawford AH**, Roy DR, et al: Resistance to Activated Protein C and Legg-Perthes Disease. CORR 338:139-152, 1997.
127. Vendantam R, **Crawford AH**: Multiple Noncontiguous Injuries of the Spine in a Child: Atlantooccipital Dislocation and Seat Belt Injury of the Lumbar Spine. Acta Orthop Belgica 63:1, 1997.

128. Mehlman CT, **Crawford AH**: Hyphenated History: Boyd-Syme Amputation. *J Am Osteo Acad Orthop* 34:36-39, 1997.
129. Schorry EK, **Crawford AH**, Egelhoff JC, Lovell AM, Saal HM: thoracic Tumors in Children with Neurofibromatosis. *American J Medical Genetics*. 74:533-537, 1997.
130. Mehlman CT, **Crawford AH**, Wolf RK: Video-Assisted Thoracoscopic Surgery (VATS): Endoscopic Thoracoplasty Technique. *Spine* 22(18):2178-2182, 1997.
131. Vendantam V, **Crawford AH**: The Role of Preoperative Pulmonary Function Tests in Patients with Adolescent Idiopathic Scoliosis Undergoing Posterior Spinal Fusion. *Spine* 22(23) 2731-2734, 1997.
132. Mehlman CT, **Crawford AH**: Hyphenated History: The Phelps-Baker Test, *American Journal of Orthopaedics* 12:871-873, 1997.
133. Cullen MC, Roy DR, Giza E, **Crawford AH**: Complications of Intramedullary Fixation of Pediatric Forearm Fractures. *Journal of Pediatric Orthopaedics* 1:14-21, 1998.
134. Glueck CJ, Freiberg FA, **Crawford AH**, et al: Secondhand Smoke, Hypofibrinolysis and Legg-Perthes Disease. *CORR* 352:159-167, 1998.
135. **Crawford AH**: Growth Arrest Resulting from Unicameral Bone Cyst. *JPO Letter to the Editor*. *JP* 18(6):842-845, 1998.
136. Mehlman CT, **Crawford AH**, MC Math JA: Pediatric Vertebral and Spinal Cord Tumors: A Retrospective Study of Musculoskeletal Aspects of Present Treatment and Complications. *Orthopaedics* 22(11):49-56, 1999.
137. **Crawford AH**, Mehlman CT, Slovek RW: The Fate of Untreated Developmental Dislocation of the Hip: Long-Term Follow-Up on Eleven Patients. *JPO* 19(5):641-644, 1999.
138. **Crawford AH**, Wall EJ: Video-Assisted Thoracoscopy. *OCNA* 30(3):367-385, 1999.
139. **Crawford AH**, Schorry EK: Neurofibromatosis in Children: The Role of the Orthopaedist. *JAAOS* 7(4):217-230, 1999.
140. Lubitz SE, Keith RW, **Crawford AH**: Intraoperative Experience with Neuromotor Evoked Potentials. A Review of 60 Consecutive Cases. *Spine* 24(19):2030-2033, 1999.
141. Durrani AA, **Crawford AH**, Choudhury SN, Saifuddin A, Morley TR: Modulation of Spinal Deformities in Patients with NF Type 1. *Spine* 25(1):69-75, 2000.
142. Mehlman CT, Hubbard G, **Crawford AH**, Roy DR, Eall EJ: Traumatic Hip Dislocation in Children: An Outcome Analysis. *CORR* 376:68-79, 2000.
143. Humbert ET, Mehlman CT, **Crawford AH**: Two Cases of Osteochondroma Recurrence After Surgical Resection. *Am Journal of Orthopaedics* 30(1):62-64, 2001.
144. Roush TF, **Crawford AH**, Berlin RE: Tension Pneumothorax as a Complication of VATS for Anterior Correction of Idiopathic Scoliosis in an Adolescent Female. *Spine* 26(4):448-450, 2001.
145. Mehlman CT, Strub WM, Roy DR, Wall EJ, **Crawford AH**: The Effect of Surgical Timing on the Perioperative Complications of Treatment of Supracondylar Humeral Fractures in Children. *JBJS* 83-A(3):323-327, 2001.
146. Wall EJ, Kolata R, Roy DR, Mehlman CT, **Crawford AH**: Endoscopic Pelvic Osteotomy for Treatment of Hip Dysplasia. *JAAOS* 9(3):150-156, 2001.
147. **Crawford AH**: Video-Assisted Thoracoscopy (VATS) for Spinal Problems in Children: Minimally Invasive Surgery of the Spine. *Living Longer Health Courier* (Newsletter, Proscan Imaging), August 17, 2001.
148. Bylski-Austrow DI, Wall EJ, Rpert MP, Roy DR, **Crawford AH**: Growth Plate Forces in the Adolescent Human Knee: A Radiographic and Mechanical Study of Epiphyseal Staples. *J Pediatr Orthop* 21(6):817-823, 2001.
149. **Crawford AH**, Kumar K: Role of "Bovie" in Spinal Surgery – A Historical and Analytical Perspective. *Spine* 27(9):1000-1006, 2002
150. Deitch J, **Crawford AH**, Choudhury S: Osteogenic sarcoma of the Rib: A Case Report and Review of the Literature. *Spine* 28(4):E747, 2003.

151. **Crawford AH**, Strub WM, Lewis R, Gabriel KR, Billmire DA, et al: Neonatal Kyphectomy in the Myelomeningocele Patient. *Spine* 28(3):260-266, 2003.
152. Do TT, Strub WM, Foad SL, Mehlman CT, **Crawford AH**: Reduction vs Remodeling in Pediatric Distal Forearm Fractures: A Preliminary Cost Analysis. *JPO-B* 12(2):109-115, 2003.
153. Omoloja AA, Kumar K, **Crawford AH**, Strife CF: Epiphyseal Stapling and Recombinant Human Growth Hormone for Correction of Genu Valgum in Children With Chronic Renal Insufficiency. *JPO* 23(5):639642, 2003.
154. Mehlman CT, Nematbakhsh AR, **Crawford AH**, Berlin RE: Spinal Deformity in Association with Carbohydrate – Deficient Glycoprotein Syndrome (Jaeken’s Syndrome): A Report of Three Cases. *Spine* 28(7):E132-135, 2003.
155. Parikh SN, **Crawford AH**: Orthopaedic Implications in the Management of Pediatric Vertebral and Spinal Tumors: A Retrospective Review. *Spine* 28(20):2390-2396, 2003.
156. **Crawford AH**: Position of the Aorta Relative to the Spine in Idiopathic Scoliosis. *JBJS* 86-A(2):429; author reply 429-430, 2004.
157. Parikh SN, Brody AS, **Crawford AH**: Use of a Picture Archiving and Communications System (PACS) and Computer Radiography in Preoperative Planning. *Am J Orthop* 33(3):62-4; 57, 2004.
158. Parikh SN, Do TT, Roy DR, **Crawford AH**: Popliteal Pterygium Syndrome: Implications for Orthopaedic Management. *JPO-B* 13(3):197-201, 2004.
159. Parikh SN, Choudhury S, **Crawford AH**: The Utility of Magnetic Resonance Imaging in the Evaluation of Infantile Torticollis. *Orthopedics* 27(5):509-515, 2004.
160. Nematbakhsh AR, **Crawford AH**: Non-adjacent Spondylolisthesis in Ehlers-Danlos Syndrome. *JPO-B* 13(5):336-339, 2004.
161. **Crawford AH**: It is What it Is. *JBJS* 86-A(10):2331-2334, 2004.
162. Takeshita K, Peterson ET, Bylski-Austrow DI, **Crawford AH**, Nakamura K: The Nuchal Ligament Restrains Cervical Spine Flexion. *Spine* 29(18):E388-393, 2004.
163. Mehlman CT, Al-Sayyad MJ, **Crawford AH**: Effectiveness of Spinal Release and Halo-Femoral Traction in the Management of Severe Spinal Deformity. *JPO* 24(6):667-673, 2004.
164. Herrera-Soto JA, **Crawford AH**, Loveless EA: Ossifying Subperiosteal Hematoma Associated with Neurofibromatosis Type 1. Diagnostic Hesitations: A Case Report and Literature Review. *JPO-B* 14(1):51-54, 2004.
165. Herrera-Soto JA, Parikh SN, Al-Sayyad MJ, **Crawford AH**: Experience with Combined Video-Assisted Thoracoscopic Surgery (VATS) Anterior Spinal Release and Posterior Spinal Fusion in Scheuermann’s Kyphosis. *Spine* 30(19):2176-2181, 2005.
166. Al-Sayyad MJ, **Crawford AH**, Wolf RK: Video-Assisted Thoracoscopic Surgery: The Cincinnati Experience. *CORR* 434:61-70, 2005.
167. Herrera-Soto JA, Do TT, **Crawford AH**: Buoyancy of Synthetic cast and Its Implications to Young Swimmers. *JPO* 25(3):366-368, 2005.
168. Kolata RJ, Wall EJ, Bylski-Austrow DI, **Crawford AH**: Endoscopic Mechanical Spinal Hemi-epiphysiodesis Modifies Spine Growth. *Spine* 30(10):1148-1153, 2005.
169. **Crawford AH**: Anterior Surgery in the Thoracic and Lumbar Spine: Endoscopic Techniques. Instructional Course Lecture 54:567-576, 2005.
170. Vanderbeck B, Mehlman CT, Foad SL, Wall EJ, **Crawford AH**: The Use of Conscious Sedation for Pain Control During Forearm Fracture Reduction in Children: Does Race Matter? *J Pediatr Orthop* 2006 Jan-Feb; 26(1): 53-57.
171. Lowe TG, Lenke L, Betz R, Newton P, Clements D, Maher T, **Crawford A**, Letko L, Wilson LA: Distal junctional kyphosis of adolescent idiopathic thoracic curves following anterior or posterior instrumented fusion: incidence, risk factors, and prevention. *Spine* 2006 Feb 1;31(3): 299-302.

172. **Crawford AH**, Schorry EK: Neurofibromatosis Update. *J Pediatr Orthop* 2006 May-June; 26(3):413-423. Review.
173. **Crawford AH**, Newton PO, Lenke LG, Boachie-Adjei O, Sucato DJ, Betz RR: Scoliosis: Current Indications for Treatment. *Orthopedics Today* 2006 26(6):78-82 – Virtual Round Table moderated by Alvin H. Crawford.
174. Bylski-Austrow DI, Glos DL, Sauser FE, Papautsky I, **Crawford AH**, Wall EJ: Bilateral Intra-annular Spinal Compressive Stresses In Vivo. *Stud Health Technol Inform.* 2006 123: 398-403.
175. Bylski-Austrow DI, Wall EJ, Glos DL, Ballard ET, Stringer K, **Crawford AH**: Spinal Hemiepiphysiodesis Correlates with Physeal Histomorphometric Gradients. *Stud Health Technol Inform* 2006 123: 261-266.
176. Agabegi SS, **Crawford AH**: Postlaminectomy Kyphosis in an Achondroplastic Child Treated for Spinal Stenosis. *Orthopedics*. In Press.
177. **Crawford AH**, Parikh S, Schorry EK, Von Stein D: The Immature Spine in Type-1 Neurofibromatosis. *J Bone Joint Surg Am.* 2007 Feb;89 Suppl 1:123-42. Review. No abstract available.
178. Upasani VV, Tis J, Bastrom T, Pawelek J, Marks M, Lonner B, **Crawford A**, Newton P: Analysis of sagittal alignment in thoracic and thoracolumbar curves in adolescent idiopathic scoliosis: how do these two curve types differ? *Spine* 2007 May 20;32(12): 1355-9.
179. Stevenson DA, Viskochil DH, Schorry EK, **Crawford AH**, D'Astous J, Murray KA, Friedman JM, Armstrong L, Carey JC: The use of anterolateral bowing of the lower leg in the diagnostic criteria for neurofibromatosis type 1. *Genet Med.* 2007 July;9(7): 409-12. Review.
180. Jain V, **Crawford A**: Re: Hoernschemeyer D, Farjoodi P, Cheng J, et al. A study of the cutaneous nerves encountered during thoracoplasty. *Spine* 2007 Jul 15;32(16): 1799. No abstract available.
181. **Crawford AH**, Herrera-Soto J: The Use of Multiple Anchors for Correction of Adolescent Idiopathic Scoliosis. *Spine.* 2007 Aug 15;32(18): E517-22.
182. **Crawford AH**, Vora V, Lenke L, Boachie-Adjei O, Young K: A Pedicle Screw Construct Gives An Enhanced Posterior Correction of Adolescent Idiopathic Scoliosis When Compared To Other Constructs: Myth or Reality. *Spine.* 2007 Aug 1;32(17): 1869-74.
183. **Crawford AH**: Operative Management of Scheuermann's Kyphosis in 78 patients: Radiographic Outcomes, Complications and Technique. *Spine.* 2007 Nov 24(32).
184. Salinsky JP, Scuderi GJ, **Crawford AH**: Occipito-atlanto-axial dissociation in a child with preservation of life: a case report and review of the literature. *Pediatr Neurosurg.* 2007;43(2): 137-41. Review.
185. **Crawford AH**, Herrera-Soto J: The Treatment of Spinal Deformities with Neurofibromatosis in Children. *The Orthopaedic Clinics of North America.* Stans A. (eds). In Press.
186. **Crawford AH**, Herrera J: Scoliosis Associated with Neurofibromatosis. *Orthop Clin North Am.* 2007; Oct; 38(4): 553-62, vii. Review.
187. Agabegi SS, **Crawford AH**: Postlaminectomy Kyphosis in an Achondroplastic Child Treated for Spinal Stenosis. *Orthopedics.* 2008 February; 31(2): 168.

PRESENTATIONS

“Spinal Problems Associated with Neurofibromatosis”: AAOS 54th Annual Meeting, San Francisco, CA. January 20-27, 1987

“Advances in Pediatric Orthopaedic Surgery”, “Neurofibromatosis in Children”: Visiting Professor – Black History Week, University of Tennessee, Memphis, TN. February 6-7, 1987

“Neurofibromatosis in Children”: Mather Cleveland Visiting Professor, St. Luke’s Roosevelt Hospital Center, New York, NY. March 11-12, 1987.

“Intervertebral Disc Space Infections in Children (Discitis)”, “Acute Septic Arthritis of the Hip in Infants and Young Children”: Mid-America Orthopaedic Assoc. 5th Annual Meeting, San Diego, CA. March 26-29, 1987.

“Spinal Deformities Associated with Neurofibromatosis: Ohio Orthopaedic Society 48th Annual Meeting, Dayton, OH. April 3, 1987.

“Decision-making for Elbow Fractures in Children”: University of Cincinnati College of Medicine Panel Discussion, Cincinnati, OH. April 11, 1987.

“Unicameral Bone Cyst: Counterpoint, Surgery vs Injection”: Grand Rounds – Miami Valley Hospital, Wright State University, Dayton, OH. April 18, 1987.

“Unicameral Bone Cyst: Counterpoint, Surgery vs Steroid Injection”: POSNA Annual Meeting, Toronto Ontario, Canada. May 17-20, 1987

“Treatment of the Spine in Bone Dysplasia”, “Interspinous Segmental Instrumentation for Idiopathic Scoliosis”, “Problem Fractures in Children”, “Major Problems of the Lower Limb”, “Cincinnati Incision for Idiopathic Clubfoot”, “Decision-making in Problem Elbow Fractures”: 15th Annual Pediatric Orthopaedic Int’l Seminar, Chicago, IL. May 25-30, 1987

“Only the Strong Survive”: Melrose High School Commencement Speaker, Memphis, TN. May 31, 1987

General lectures on Orthopaedics and Surgical Intervention of Orthopaedic Problems: West African Training Cruise ’87; Active Duty – Naval Reserve Unit – Dakar, Senegal, Lagos, Nigeria, Malabo, Equatorial Guinea, Sao Tome, Principe, Accra Ghana, Libreville, & Gabon, Africa. July 5-19, 1987.

“Sagittal Plane Correction by Contoured Harrington Rods and Interspinous Segmental Instrumentation”: SRS Annual Meeting, Vancouver, Canada. September 1987.

“Flat Feet”, “Tarsal Coalition and Accessory Navicular – When to Treat”; Symposium: Patellar Problems, Bunions and Curly Toes, Leg Length Discrepancy, Treatment of Epiphyseal Fractures and Fractures of the Femur; Video Tape: Immediate Hip Spica Casting: AAOS Course – Operative and Non-operative Techniques in Children’s Orthopaedics, Dallas, TX. October 22-24, 1987.

“Neurofibromatosis”, “The Use of ISSI for Sagittal Plane Contouring”, “MECCA’s in Medicine”: Martin Luther King/Caesar Chavez/Rosa Parks Visiting Professor, University of Michigan, Ann Arbor, MI. October 26-30, 1987

“Management of Skeletal Trauma”: Pediatric Grand Rounds, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH. January 3, 1988.

"Clubfeet", "Neurofibromatosis", "Spinal Disorders in Children", "Hip Problems in Children", "Septic Joints and Osteomyelitis", "Elbow Injuries in Children": Pediatric Grand Rounds; Tripler Army Medical Center Visiting Professor, Children's Hospital Medical Center, Cincinnati, OH. January 11-15, 1988

"Acute Septic Arthritis of the Hip in Infants and Young Children", "Symposium: Operative Treatment of Children's Fractures", "Augmented Acetabuloplasty: A Method to Obtain Comprehensive coverage in Legg-Perthes Disease", "The Use of ISSI to Control Sagittal Plane Deformity in Adolescent Scoliosis": AAOS Annual Meeting, Atlanta, GA, February 5-9, 1988.

"Management of Orthopaedic Trauma": Pediatric Surgery Grand Rounds, Children's Hospital Medical Center, Cincinnati, OH, February 18, 1988.

"Evaluation of a Child with a Limp": Pediatric Residents Grand Rounds, Children's Hospital Medical Center, Cincinnati, OH, February 24, 1988.

"Treatment of Chronic Slipped Capital Femoral Epiphysis", "Operative Treatment of Legg-Perthes Disease", "Neurofibromatosis", "An Overview of Neonatal Orthopaedics": 16th Annual Children's Symposium of Orthopaedics. Aurora, CO, March 9-11, 1988.

"Orthopaedic Trauma in Children": Visiting Professor, Pediatric Orthopaedic Club of New York, New York, NY, March 14, 1988.

"Orthopaedic Issues in Neurofibromatosis": Guest Lecturer, Neurofibromatosis Medical Symposium, Los Angeles, CA, March 18, 1988.

"Osseous Manifestations of NF in Children": Grand Rounds, University of Rochester Medical Center, Rochester, NY, March 24, 1988.

"Developing Trends in the Field of Pediatric Orthopaedics": Annual Luncheon Nat'l Friends of Amistad, Cincinnati, OH, March 30, 1988.

"Neurofibromatosis", "Problem Fractures in Children", "Spine in Bone Dysplasia", "Cincinnati Incision", "Decision-Making in Problem Elbow Fractures": 16th Pediatric Orthopaedic Int'l Seminar, San Francisco, CA, 1988.

Commencement Speaker - University of Tennessee-Memphis. Memphis, Tenn, June 3, 1988.

"Decision Making for Elbow Fractures in Children", "Advanced Concepts in the Management of Spinal Deformities in Children", "Neurofibromatosis in the Pediatric Patient": New England Orthopaedic Society Annual Meeting, Mystic, CT, June 10-12, 1988.

"Congenital Kyphosis and Congenital Scoliosis. Classification, Natural History, Treatment"
"Paralytic Hip in Myelomeningocele and the Spastic: Natural History, Pathology and Treatment", "Pes Cavus: Classification, Pathology and Treatment", "Cerebral Palsy: Nonoperative and Operative Treatment", "Scheuermann's Disease: Etiology, Natural History and Treatment", "Fractures About the Elbow", "Operative Treatment of Children's Fractures": Visiting Professor – Course on Orthopaedics in Children, Bogota, Columbia, June 15-18, 1988.

"Neurofibromatosis in Children", "Advanced Concepts in the Management of Spinal Deformities in Children": ACDUTRA – Orthopaedic Rounds, US Naval Hospital, Portsmouth, VA, September 2, 1988.

"Spine Injuries in Adolescent Athletes": Circle City Classics First Annual Sports Medicine Symposium, Indianapolis, IN, September 30, 1988.

"Spinal Deformities/Injuries in Children", "Clubfoot", "Femoral Shaft Fractures", "Surgical Management": Guest Lecturer, Lagos Nat'l Orthopaedic Hospital, Lagos, Nigeria, October 7-15, 1988.

"Osseous Manifestations of Neurofibromatosis in Children", "Fractures around the Elbow", "Advanced Concepts in the Management of Spine Deformities in Children", "Management of Pediatric Hip Disorders", "Limb Lengthening": Visiting Professor, Walter Reed Army Medical Center, Washington, DC, October 19-21, 1988.

"The Diagnosis and Treatment of Osteosarcoma": Guest Lecturer, Orthopaedic Pathology Course, Cincinnati, OH, October 22, 1988.

"Lengthening of the Lower Extremity in Achondroplasia": Guest Speaker, Little People of America, Cincinnati, OH, November 13, 1988.

"What's New in Limb Length Equalization": Pediatric Grand Rounds, Children's Hospital Medical Center, Cincinnati, OH, November 29, 1988.

"Management of Complex Spinal Deformities": Midas Rex Institute Symposium, Las Vegas, NV, February 8, 1989.

"Management of Complex Spinal Deformities", "Unicameral Bone Cyst: Counterpoint, Surgery versus Injection", Instructional Course: "Slipped Capital Femoral Epiphysis: Acute Pinning, Bone Pegging, Osteotomy", "Ankle Fractures": AAOS Annual Meeting, February 9-14, 1989.

"The Child's Foot": AAOS Comprehensive Review Course, Chicago, IL, April 1-7, 1989.

"Osseous Manifestations of Neurofibromatosis", "Sagittal Plane Control with Interspinous Segmental Instrumentation for Idiopathic Scoliosis": Visiting Professor, Henry Ford Hospital, Detroit, MI, April 7, 1989.

"Unicameral Bone Cysts: Surgery Versus Injection", "The Use of ISSI to Control Sagittal Plane Deformity": Mid-America Orthopaedic Association, Hamilton, Bermuda, April 19-21, 1989.

"Open Epiphysiodesis of the Capital Femoral Physis", "Tumors Involving the Vertebral Column", "Neurofibromatosis", "Surgical Treatment of Clubfeet - Cincinnati Approach", "The Spine in Bone Dysplasia", "Decision-Making in Problem Elbow Fractures": 17th Annual Pediatric Orthopaedic Int'l Seminar, Chicago, IL, May 24-28, 1989.

"Pitfalls in the Management of Pediatric Fractures of the Distal Radius": Bethesda Hand Course, Cincinnati, OH, June 2-3, 1989.

"Exploding into the 21st Century": Tennessee State University Regional Convention, Cincinnati, OH, June 22, 1989.

"Progressive Pediatric Spinal Deformity": Pediatric Neuroscience Update Course, Cincinnati, OH, July 13-15, 1989.

"Osseous Manifestation of Neurofibromatosis", "Management of Clubfoot", "Treatment of Scoliosis", "Advanced Management of Complex Spine Deformities", "Treatment of CDH", "Adolescent Bone Tumors": ACDUTRA – US Naval Hospital, Portsmouth, VA, August 21 – September 1, 1989.

"Spinal Deformities", "Fractures about the Elbow", "Congenital Clubfoot", "Legg-Calve-Perthes Disease", "Neurofibromatosis", "Slipped Capital Femoral Epiphysis": US Naval Orthopaedic Update Course, Berchtesgaden, West Germany, September 25-28, 1989.

"Slipped Capital Femoral Epiphysis - Treatment Pinning - Epiphysiodesis Osteotomy", "Elbow Fractures", "Disc Infections": New Perspectives in Pediatric Orthopaedics – An Update, Egg Harbor, WI, October 3-4, 1989.

"Problem Fractures in Children": 1st Annual Orthopaedic Symposium, Wright Patterson Air Force Base, Dayton, OH, October 18, 1989.

"Osseous Manifestations of Neurofibromatosis in the Pediatric Patient", "Management of Idiopathic Scoliosis by Contoured Harrington Rods and Spinous Process Wiring": Omaha Mid-West Clinical Society Meeting, Omaha, NE, November 3-4, 1989.

"The Effects of Neonatal Kyphectomy on Preventing Development of Deformity in Myelomeningocele": AAOS Annual Meeting, February 10, 1990.

"Osseous Manifestations of Neurofibromatosis in Children", "Decision Making for Elbow Fractures in Children", "Use of Contoured Harrington Rods and Interspinous Segmental Instrumentation for the Control of Sagittal and Transverse Plane Deformities in Scoliosis", "Pediatric Foot Problems": Visiting Professor, University of Florida College of Medicine, Gainesville, FL, February 20-21, 1990.

"Musculoskeletal Trauma": Children's Hospital Resident Trauma Group, Children's Hospital Medical Center, Cincinnati, OH, March 15, 1990.

"Pitfalls in the Management of Spinal Deformities": Shrine Oleika Lectureship Annual Meeting, Shriner's Hospital, Lexington, KY, March 24, 1990.

"The Child's Foot": AAOS Comprehensive Review Course, Chicago, IL, March 25-30, 1990.

"Fractures of the Clavicle, Shoulder, and Proximal Humerus", "SCFE - Osteotomies for chronic slips", "Femoral Fractures - immediate spica cast": AAOS Current Controversies Course, Chicago, IL, April 19-21, 1990.

"Osseous Manifestations of Neurofibromatosis in Children": Northwestern University Medical School, Chicago, IL, April 20, 1990.

"Management of Spinal Instability Following Treatment of Spinal Tumors in Children": POSNA, San Francisco, CA, May 6-9, 1990.

"Open Epiphysiodesis of the Capital Physis", "Neurofibromatosis", "Spine in Bone Dysplasia",

"Surgical Treatment. Cincinnati Approach Talipes Equinovarus", "Subtalar Stabilization-Stapling vs. Grice Arthrodesis", "Decision-Making in Problem Elbow Fractures": 18th Pediatric Int'l Seminar, San Francisco, CA, May 23-27, 1990.

"Bone Tumors": Division of Radiology, Children's Hospital Medical Center, Cincinnati, OH, June 15, 1990.

"Management of Common Foot Problems": Division of General Pediatrics, Children's Hospital Medical Center, Cincinnati, OH, August 7, 1990.

"Comparative Evaluation of Various Clubfoot Procedures": Panel Moderator: Int'l congress on Clubfeet, Milwaukee, WI, September 5-6, 1990.

"Scoliosis Update": Pediatric Grand Rounds, Children's Hospital Medical Center, Cincinnati, OH, September 11, 1990.

"Revisiting The Milwaukee Brace", "Limb Lengthening and Correction of Angular Deformities Using The DeBastiani Callotasis Method" A Preliminary Report: Association of Prosthetics and Orthotics Nat'l Assembly, Boston, MA, September 15, 1990.

"Neurofibromatosis in Children": NF Pediatric Grand Rounds, Children's Hospital Medical Center, Cincinnati, OH, September 18, 1990.

"Pediatric Foot Injuries", "Pediatric Tibial Injuries", "Pediatric Ankle Injuries": Orthopaedic Symposium – Management of Complex Tibia, Ankle, and Foot Injuries, University of Massachusetts Medical Center, Sturbridge, MA, October 5, 1990.

"Lap Seat Belt Fracture in Young Children": AAP Annual Meeting, Boston, MA, October 6, 1990.

"Slipped Capital Femoral Epiphysis", "Decision-Making in Problem Elbow Fractures", "Osseous Manifestations of Neurofibromatosis in Children": Lowman Lectureship Visiting Professor, Orthopaedics Hospital, Los Angeles, CA, October 9-11, 1990.

"The Use of Contoured Harrington Rods and ISSI to Obtain Transverse and Sagittal Plane Correction of Idiopathic Scoliosis", "Neurofibromatosis": Visiting Professor, St. Louis University Medical Center, St. Louis, MO, October 24, 1990.

"Bone Tumors": Division of Pediatric Surgery, Children's Hospital Medical Center, Cincinnati, OH, November 14, 1990.

"Knee disorders in Children": Division of Rheumatology, Children's Hospital Medical Center, November 28, 1990.

"Bone Tumors", "Congenital Clubfoot", "Legg-Calve Perthes Disease": Pediatric Orthopaedic Int'l Seminar – Mexican Orthopaedic Society, Acapulco, Mexico, December 5-8, 1990.

"Analysis of the Use of Contoured Harrington Rods and ISSI Transverse and Sagittal Plane Correction of Idiopathic Scoliosis", "The Management of Idiopathic Clubfoot": 21st Winter Orthopaedic Seminar, Albuquerque, NM, January 18-19, 1991.

"Innovation Techniques and Complications", Midas Rex Course, Anaheim, CA, March 6, 1991.

"Analysis of the Use of Contoured Harrington Rods and ISSI to Obtain Transverse and Sagittal Plane Correction of Idiopathic Scoliosis": AAOS Annual Meeting, Anaheim, CA, March 7-12, 1991.

"Osseous Manifestations of Neurofibromatosis", "The Use of ISSI for Idiopathic Scoliosis", "Decision Making for Elbow Fractures", "Management of Slipped Capital Femoral Epiphysis in Children": Annual Shriners Pediatric Orthopaedic Lectureship, Houston, TX, April 4-5, 1991.

"The Child's Foot": AAOS Comprehensive Review Course, Chicago, IL, April 8, 1991.

"Neurofibromatosis", "Spine in Bone Dysplasia", "Surgical Treatment - Cincinnati Approach", "Surgical Stabilization. Stapling vs. Grice Arthrodesis", "Problem Fractures about the Elbow in Children", "Unusual Applications of Orthofix Fixators": 19th Pediatric Orthopaedic Int'l Seminar, Chicago, IL, May 22-26, 1991.

"The Making of a Pediatric Orthopaedist--The Winds of Change": AAOS Annual Meeting and Alfred Shands Lecture, Palm Beach, FL, June 10-11, 1991.

"Common Sports Injuries in the Adolescent Male", "Pediatric Radiology and Orthopaedics of the Foot", "Correction of Spinal Deformities in Scoliosis by ISSI": National Medical Association Annual Meeting, Indianapolis, IN, July 17-19, 1991.

"Treatment of Neurofibromatosis in Children", "An Analysis of the Use of Contoured Harrington Rods and ISSI to Obtain Transverse and Sagittal Plane Correction of Idiopathic Scoliosis", "My Other Life": Visiting Professor Children's Hospital and Medical Center, Seattle, WA, September 13-14, 1991.

"Discussion of Scientific Papers on Cotrel-Dubousset Instrumentation for Spinal Deformities": SRS Annual Meeting, Minneapolis, MN, September 25-27, 1991.

"Slipped Capital Femoral Epiphysis", "Decision Making For Elbow Fractures in Children", Neurofibromatosis in Children", "Toxic Synovitis in Children", "Bracing for Idiopathic Scoliosis": Walter Blount Memorial Lecture, Lake Geneva, WI, October 17-19, 1991.

"Cincinnati Management of Clubfoot", "Common Foot Problems in Children", "Treatment for Congenital Vertical Talus", "Foot and Ankle Fractures in Children", "Management of Tarsal Coalitions in Adolescents": Brazilian Foot Society, Sao Paulo, Brazil, October 23-26, 1991.

"Treatment of Adolescent Idiopathic Scoliosis by Contoured Harrington Rods and Interspinous Segmental Instrumentation", "Osseous Manifestations of Neurofibromatosis in Children": Visiting Professor, Shriners Hospital, Springfield, MA, November 21-22, 1991.

"Knee Problems in Children": Middletown Regional Hospital, Middletown, OH, November 23, 1991.

"Surgical Treatment of Clubfoot", "Spinal Pathology in Children", "Neurofibromatosis in Children", "Treatment of Slipped Capital Femoral Epiphysis", "Surgical Treatment of Legg-

Calves-Perthes Syndrome": Society Argentina Orthopaedica Traumatologica Infantil, Buenos Aires, Argentina, November 29 – December 2, 1991.

"The Role of The Fibular in Lower Extremity Lengthening": Orthofix Int'l Symposium, Verona, Italy, December 9-13, 1991.

Instructional Course #117 "Slipped Capital Femoral Epiphysis", Instructional Course #313 and 413 "The Use of the Cincinnati Incision for Clubfoot Deformities", "Radiologic Evaluation of Clubfoot Deformities", "Complications in the Treatment of Clubfoot Deformities". "The Use of Contoured Harrington Rods in the Treatment of Adolescent Idiopathic Scoliosis", "Discussant (3) Papers on Slipped Capital Femoral Epiphysis": AAOS, Washington, DC, February 20-25, 1992.

"Use of Contoured Harrington Rods in the Treatment of Adolescent Idiopathic Scoliosis": Shriner's Oleika Lectures, Shriners Hospital, Lexington, KY, March 6, 1992.

"Current Concepts in the Management of Slipped Capital Femoral Epiphysis": Brooklyn Orthopaedic Society, Brooklyn, NY, March 19, 1992.

"Neurofibromatosis in the Pediatric Patient": Hiram Kite Lecture Series, Atlanta, GA, March 20, 1992.

"Management of Foot Deformities in Children": AAOS Comprehensive Review Course, Chicago, IL, March 30, 1992.

"Decision Making for Pediatric Elbow Fractures", "The Cincinnati Management of Talipes Equinovarus", "Current Management of Slipped Capital Femoral Epiphysis": Louis-Colton Pediatric Symposium, Children's Rehabilitative Services, Phoenix, AZ, April 10-11, 1992.

"Neurofibromatosis in Children", "Hemangioma Syndromes": Genetics in Pediatric Orthopaedics, Newport, RI, May 6, 1992.

"Use of Contoured Harrington Rods for Idiopathic Scoliosis": POSNA, Newport, RI, May 7, 1992.

"Neurofibromatosis in Children", "Decision Making in the Treatment of Elbow Fractures in Children": Gordan Batman Lecture Series, Indianapolis, IN, May 14, 1992.

"Hands on Sessions: Spine and Shoulder Injuries in Children": Moderator – Sports Medicine Symposium, Cincinnati, OH, May 15-16, 1992.

"Neurofibromatosis in Children": King's Island Inn, Mason, OH, May 16, 1992.

"What's New in Pediatric Orthopaedics": Pediatric Subspecialty Weekend, Children's Hospital Medical Center, Cincinnati, OH, May 30, 1992.

"Backache in Children and Adolescents, Disc Space Infection, Herniated Disc. and Spinal Cord Tumors", "Spine in Bone Dysplasia (Little People)", "Open Epiphysiodesis of the Capital Femoral Physis", "The Use of the Orthofix External Fixators in Pediatric Orthopaedics", "Subtalar Stabilization, Stapling vs. Grice Arthrodesis", "Neurofibromatosis in Children", "Surgical Treatment of Clubfoot, The Cincinnati Approach", "Management of Problem

Fractures and Complications", "Fractures About the Elbow in Children": 20th Annual Pediatric Orthopaedic Int'l Symposium, San Francisco, CA, June 9-14, 1992.

"The Clubfoot I: Primary Treatment": Instructional Course on Clubfoot Controversies, Orthopaedic Associations of the English Speaking World, Toronto, Canada, June 21-26, 1992.

"Current Surgical Management of Scoliosis": Guest Speaker, Seminar at Case Western Reserve University, Cleveland, OH, July 23-25, 1992.

"Management of Fractures in Children and Adolescents", "Fractures About the Elbows", "Fractures About the Knee" - Panel Discussion: Guest Lecturer, 65th Annual Clinical Assembly of Osteopathic Specialists, AAOS, Chicago, IL, September 20, 1992.

"Spinal Instrumentation: Harrington to Future": Guest Lecturer, SRS Annual Meeting, Kansas City, MO, September 21-24, 1992.

"Treatment of Adolescent Scoliosis by Contoured Harrington Rod", "Tumors Involving the Vertebral Column and Spinal Cord in Children": Visiting Professor, Thomas Jefferson University, Philadelphia, PA, October 1, 1992.

"Clinical Investigation: Impact on Medical Practice": University of Cincinnati Student Nat'l Medical Association, Inc., Cincinnati, OH, October 24, 1992.

"Clubfoot Treatment, Technique and Results", "Cavus Foot. Diagnosis and Treatment", "Congenital Clubfoot", "Foot Fractures in Children", "Tendon Lesions", "Foot and Ankle Fractures in Children", "Decision-making in Elbow Fracture Problems", "Ankle Traumatic lesions in Children", "Current Concepts in the Management of Slipped Capital Femoral Epiphysis": XXVIII Congresso Brasileiro De Ortopedia Traumatologia, Sao Paulo, Brazil, November 30, 1992.

"Scoliosis", "Neurofibromatosis", "Decision Making for Fractures Above the Elbow": 4th Annual Harold A. Sofield Lectureship, Shriners Hospital for Crippled Children, Chicago, IL, December 6, 1992.

"Limb Salvage Procedures": Grand Rounds Lecturer: University of Cincinnati College of Medicine, Division of Plastic, Reconstructive, and Hand Surgery, Cincinnati, OH, December 9, 1992

"Common Orthopaedic Problems in Children": Visiting Professor, Long Island Jewish Medical Center, Schneider Children's Hospital, Long Island, December 19-21, 1992.

"An Analysis of the Use of Contoured Harrington Rods & ISSI to Obtain transverse and Sagittal Plane Correction of Idiopathic Scoliosis.": Visiting Professor, Bay State Medical Center, Shriners Hospital for Crippled Children, Springfield, MA, December 21, 1992.

In service on "Orthopaedic Conditions", St. Joseph's Infant Home, Cincinnati, OH, January 13, 1993.

"Club Foot Controversies", "Treatment of Slipped Capital Femoral Epiphysis": AAOS Annual Meeting Instructional Course, San Francisco, CA, February 17-23, 1993.

"Pediatric Orthopaedics: The Foot": AAOS Comprehensive Review Course, Chicago, IL, March 22, 1993.

"Scoliosis": Shell Seminar Speaker at the 41st Annual Nat'l Science Teachers Association, Kansas City, MO, April 4, 1993.

Founders Day Convocation, Tennessee State University, Memphis, TN, April 8, 1993.

"Cincinnati Approach in Clubfoot Surgery", "Intraoperative X Ray Observations", "Treatment of Clubfoot after one year old Patient", "Treatment of the Overcorrected Clubfoot": Guest Lecturer, France and Madrid, April 11-16, 1993.

"Preoperative Cast Correction of Rigid Scoliotic Spinal Deformity", "Growing Instrumentation for Scoliosis": POSNA Annual Meeting, Greenbrier, WV, May 3-5, 1993.

"Decision-Making for Fractures About the Elbow in Children", "Osseous Manifestations of Neurofibromatosis in Children": 33rd Annual Dillehunt Memorial Lecture, Shriners Hospital for Crippled Children, Portland, OR, May 21-22, 1993.

"Fractures of the Shaft of the Humerus. Radial Nerve Palsy When Should You Explore? The Role of MRI.", "Supracondylar Fractures of the Humerus. Markedly Displaced With Vascular Compromise. How Should You Manage? With Nerve Injury? When Should You Explore?", "Talipes Equinovarus", "Neurofibromatosis", 21st Pediatric Orthopaedic Int'l Seminar, Chicago, IL, May 26-30, 1993.

"Injuries to the Knee in Children", "Decision-Making in Problem Elbow Fractures", "Fractures About the Ankle in Children": 8th Annual Orthopaedic Surgery & Sports Medicine Seminar, Sea Pines Plantation, Hilton Head Island, SC, July 7-10, 1993.

"Clubfoot", "Developmental Dysplasia of the Hip", "Legg-Calve Perthes Disease", "Slipped Capital Femoral Epiphysis", "Pediatric Elbow Fractures", "Pediatric Musculoskeletal Infections", "Scoliosis", "Muscular Dystrophy": 1st Nat'l Kaiser Update Orthopaedic Conference, Hawaii, July 24-30, 1993.

"Screening for Adolescent Idiopathic Scoliosis": Community Pediatrics Lectures, Cincinnati, OH, October 5, 1993.

"Orthopaedic Aspects of Neurofibromatosis", "Management of Adolescent Idiopathic Scoliosis": Frank H. Stelling, III, Visiting Professor, Shriners Hospital for Crippled Children, Greenville, SC, November 10-11, 1993.

"Osseous Manifestation of Neurofibromatosis in Children", "The Current Management of Idiopathic Scoliosis": James A. Dickson, MD, Visiting Professor, The Cleveland Clinic Foundation, Cleveland, OH, December 10-11, 1993.

"Osseous Manifestation of Neurofibromatosis in Children", "Management of Congenital and Acquired Problems of the Pediatric Knee": Orthopaedic Grand Rounds, Ohio State University, Columbus, OH, January 13-14, 1994.

"Video Assisted Thoracoscopy for Anterior Spinal Fusion": Texas Back Institute, Plano, TX, February 18, 1994.

"The Operative Treatment of Pediatric Fractures: Pearls and Pitfalls", "Clubfoot Controversies", "Osteotomies for the Treatment of Slipped Capital Femoral Epiphysis", "Management of Supracondylar Fractures of the Elbow in Children", Discussion papers: "Syringomyelia and Scoliosis in Children", "Hemihypertrophy and Wilms' Tumor": AAOS 61st Annual Meeting, February 23 – March 1, 1994.

"Video Assisted Thoracoscopy for Anterior Spinal Fusion": Visiting Professor, Children's Hospital – New Orleans, New Orleans, LA, March 25, 1994.

"Intra-articular Fractures of the Ankle: How to Manage Them?". "Fractures of the Spine in Children: Should we Treat Them Differently from Adults?", "Neurofibromatosis: What Should you Remember?", "Treatment of Acute Osteomyelitis: When to do a Needle Aspiration or Open Drainage?": Guest Lecturer: 7th St. Justine Pediatric Orthopaedic Review Course/The Montreal Children's and Shriners Hospitals, Montreal, Canada, April 6-8, 1994.

"Foot Deformities": Guest Lecturer, AAOS Comprehensive Review Course, Chicago, IL, April 11, 1994.

"Common Foot Problems in Children": Guest Lecturer, Philadelphia Orthopaedic Society, Philadelphia, PA, April 18, 1994.

"Video Assisted Thoracoscopy for Anterior Spinal Fusion": Guest Lecturer, 20th Annual Oleika Lectureship, Lexington, KY, April 23, 1994.

"Video Assisted Thoracoscopy for Anterior Spinal Fusion" Operative Technique and Anatomical Studies: POSNA Program Chairman and Guest Lecturer, Memphis, TN, May 11-14, 1994.

"Video Assisted Thoracoscopy for Anterior Spinal Fusion", "Back Pain in Children" Guest Lecturer: Sports Medicine Symposium, Kings Island Inn, Cincinnati, OH

"Neurofibromatosis" Guest Lecturer: National Association of Orthopaedic Nurses Conference: Nashville, TN, May 23, 1994

"Subtalar Stabilization. Stapling vs. Grice Arthrodesis", "Neurofibromatosis", "Spine in Bone Dysplasia", "Open Epiphysiodeses of the Capital Physis", "Talipes Equinovarus – Operative Techniques. The Cincinnati Approach", "Supracondylar Fractures of the Humerus Percutaneous Pinning? Techniques. Pitfalls to Avoid. Cubitus Varus and Cubitus Valgus.- How to Prevent It?", "Fracture of the Lateral Condyle of the Humerus. Pitfalls to Avoid in Management. How late Can You Perform Open Reduction?": Guest Lecturer: 22nd Pediatric Orthopaedic International Seminar, San Francisco, CA, May 24-29, 1994

"Pediatric Spine"; Lab Review and Demonstration: "Thoracoscopy": Guest Lecturer: Texas Back Institute, Plano, TX, June 10-11, 1994

"Hip Fractures in Children", "Tibial Fractures in Children", "Pitfalls and Complications of Fractures of the Distal Radius and Ulna in Childhood", "Fractures of the Shoulder Region", "Problem Fractures in Children", "Treatment of Ankle Fractures in Children", "Femoral Shaft Fractures", "Forearm Fractures in Children", "Fractures About the Knee in Children",

"Fractures of the Lateral Humeral Condyle in Children", "Supracondylar Humeral Fractures in Children": Instructor: 2nd National Kaiser Update in Orthopaedics, Hawaii, July 23-27, 1994

"Neurofibromatosis", "Supracondylar Humeral Fractures in Children", "Video-Assisted Thoracoscopy for Spinal Surgery": Alfred I. duPont Institute: Orthopaedic Fall Seminar, Wilmington, DE, October 6-9, 1994.

"Video-Assisted Thoracoscopy for Spinal Surgery": Guest Lecturer, Washington Orthopaedic Society Meeting, Washington, DC, October 10, 1994.

"Treatments in NF": Guest Lecturer: Illinois Neurofibromatosis Foundation, Downers Grove, IL, October 29, 1994.

"Newborn exam: Dislocated Hips, Clubfeet and other Foot Shapes", "Legg-Perthes/Slipped Capital Femoral Epiphyses", "Overuse Syndromes": Guest Lecturer: Pediatric Orthopaedics & Sports Medicine, Children's Hospital Oakland, Monterey, CA, November 11-13, 1994.

"Management of Supracondylar Fractures of the Humerus in Children", "Video Assisted Thoracoscopic Surgery", "Osseous Manifestation of Neurofibromatosis in Children": Guest Lecturer: Mayo Clinic, Rochester, MN, January 15-18, 1995.

"Video Assisted Thoracoscopic Surgery", "Treatment of Congenital Clubfoot (Cincinnati Approach)" Guest Lecturer: Detroit Children's Hospital, Detroit, MI, February 1, 1995.:

"Elbow Injuries in Children", "Clubfoot Controversies", "Slipped Capital Femoral Epiphyses" Moderator: "Pediatrics Section" Discussion Paper: Spinal Thoracoscopy: Technique Evaluation; Anterior Procedures for Adult and Pediatric Spinal Deformity: Guest Lecturer: AAOS 62nd Annual Meeting, Orlando, FL, February 15-20, 1995

"Video Assisted Thoracoscopic Surgery": 25 Faculty Member: Institute for Spine & Biomedical Research, Plano, TX, February 22-25, 1995

"Foot Problems": Faculty Member/Moderator: AAOS Comprehensive Review Course, Chicago, IL, March 20, 1995

"Distal Forearm Injuries in Children": Guest Lecturer: 21st Annual Oleika Lectureship, Lexington, KY, April 8, 1995

"Clubfoot Grading & Conservative Management", "Plenary lecture: Slipped Proximal Femoral Epiphysis", "Current Concepts in the etiology of scoliosis", "Neonatal Brachial Plexus Injury": Guest Lecturer: Kuala Lumpur/Pulau Langkawi, Malaysia, April 13-16, 1995.

"Perinatal Sepsis", "Pes Planovalgus due to Oblique Talus. Pros and Cons of Subtalar Stabilization by Staple Arthroereisis", "Failure of Development of the Acetabulum", "Challenging Problems in Perthes' Disease", "Management of Avascular Necrosis and Chondrolysis": Guest Lecturer: Special Clinical Symposium, Orthopaedic International Seminar, Chicago, IL, April 27-29, 1995

"Open Bone Peg Epiphysiodesis for Slipped Capital Femoral Epiphysis Experience with 64 Cases", "Prognostic Correlation Between Pre-Operation Hip Arthrography

and the Anatomical Results in Patients with Legg-Calve Perthes Disease Treated by Augmented Acetabuloplasty": Guest Lecturer: POSNA Annual Meeting, Miami, FL, May 2-3, 1995

"Spine in Bone Dysplasia", "Neurofibromatosis", "Open Epiphysiodeses of the Capital Physis.", "Problem Fractures", Moderator of "The Foot", "Operative Techniques "Cincinnati Approach", "Supracondylar Fractures of the Humerus. Percutaneous Pinning? Techniques. Pitfalls to Avoid. Cubitus Varus and Cubitus Valgus. How to Prevent it?", "Fracture of the Lateral Condyle of the Humerus. Pitfalls to Avoid in Management. How Late Can You Perform Open Reduction?": Guest Lecturer: Orthopaedic International Seminar, Chicago, IL, May 24-29, 1995.

"Orthopaedic Signs of Developmental Problems": Kentucky Outreach Series, Four Season Country Club, Crest view Hills, KY, July 19, 1995

"Lower Extremity Trauma", "Upper Extremity Trauma": Update in Orthopaedics '95: Third Annual Conference, Kauai, Hawaii, July 30 – August 4, 1995

"Complications of the Common Fractures": Ohio Outreach Program: Embassy Suites, Blue Ash, OH, August 17, 1995.

"Elbow fractures in children", "Epiphysiosthesis", "Clubfoot", "Congenital Scoliosis", "Principles of Orthopaedic Management in Myelomeningoceles": Orthopaedic Pediatric Course, Sao Paulo, Brazil, September 1-4, 1995

"Supracondylar Fractures in Children": The Annual Congress "Orthopaedica Belgica", September 5-9, 1995.

Ethicon Spine Course Instructor, Cincinnati, OH, October 6-7, 1995.

"Surgical treatment of fractures in Children", "Clubfoot", "Scoliosis": 17th Congress - Chilean Society of Orthopaedics and Traumatology, Chile, Argentina, October 31 – November 6, 1995

"Minimally Invasive Anterior Approaches to the Spine": Amsterdam, The Netherlands, November 22-25, 1995

"Developmental dysplasia of the hip.. The U.S. Experience", "Legg-Calve-Perthes Disease" "Hip Fractures in Children": Philippine Orthopaedic Society: Philippines, November 26 – December 1, 1995.

"Hip Fractures in Children". "Neurofibromatosis": Saturday Joint Hospital Orthopaedic Meeting, Princess Margaret Hospital, Hong Kong, December 2, 1995

"Video-Assisted Spine Surgery", "Decision Making in Problem Elbow Fractures", Neurofibromatosis", "Video-Assisted Thoracoscopy Surgery": Pan-Pacific Surgical Association, Honolulu, HI, January 22-26, 1996

"Thoracic and Lumbar Spine Surgery" – Ethicon-Endo Surgery Instructor, Cincinnati, OH, February 16-17, 1996.

"Diagnostic and Treatment Essentials in the Management of Non-Traumatic Pediatric Orthopaedic Pathology", "Clubfoot Controversies", "Elbow Injuries in Children",

“Contemporary Orthopaedics Symposium: Scoliosis Instrumentation”, Moderator: “Femur Fractures”: AAOS, 63rd Annual Meeting: Atlanta, GA, February 22-26, 1996.

“The Child’s Foot”: AAOS Comprehensive Review Course, Chicago, IL, March 17-18, 1996.:

“Video-Assisted Thoracoscopy Surgery”: Guest Lecturer 22nd Annual Oleika Lectureship, Lexington, KY, March 30, 1996

“Scoliosis”: Guest Lecturer St. Elizabeth Hospital, Edgewood, KY, April 26, 1996

“Minimally Invasive Anterior Approaches to Thoracic and Lumbar Spine Surgery” – Instructor Ethicon-Endo Surgery, Cincinnati, OH, May 4-5, 1996.

“Slipped Capital Femoral Epiphysis”: POSNA Annual Meeting: One day Speciality Course: Phoenix, AZ, May 12-15, 1996

“Spine in Bone Dysplasia”, “Case Presentation - Spine“, “Management of SCFE in Endocrine Disorders and Renal Osteodystrophy”, “Chondrolysis”. “Neurofibromatosis”, “Valgus Foot. Soft Tissue release vs. Subtalar Stabilization. Grice Bone Block vs. Staple Arthroereisis vs. Medial Displacement Osteotomy of the Os Calcis vs. Lengthening of the Lateral Column of the Foot. Indications. Pitfalls. Results. Complications”, “Surgical Treatment of the Foot – Talipes Equinovarus”, “Supracondylar Fractures of the Humerus. Percutaneous Pinning? Techniques. Pitfalls to avoid. Cubitus Varus and Cubitus Valgus. How to prevent it?”, “Elbow Dislocation”: 24th Pediatric Orthopaedic Conference International Seminar, San Francisco, CA, May 20-26, 1996.

“Video-Assisted Thoracoscopic Surgery for Scoliosis”: National Organization of Orthopaedic Nurses 16th Annual Congress, Dallas, TX, June 2-6, 1996.

Session I: “Thoracoscopy, Pediatric Deformity”: Instructor Thoracoscopy and Laparoscopy of the Spine Course, Spine and Biomedical Research, Dallas, TX, June 7-8, 1996

“Tele surgery: Anterior Release for Scoliosis Anatomy of the Thoracic Spine.”: Scoliosis Research Society Laparoscopic Spine Symposium, Ethicon-Endo Surgery, Blue Ash, OH, June 11-13, 1996.

Backache in Children and Adolescents.”: ISSLS 11th Instructional Course., New York, NY, June 21-23, 1996

“Back Pain.”: Pediatric Sports Medicine Symposium, Children’s Hospital, Cincinnati, OH, June 12-13, 1996

“Pitfalls in Pediatric Orthopaedics”: National Kaiser “Update in Orthopaedics”, Kona, Hawaii., July 27 – August 3, 1996

“Slipped Capital Femoral Epiphysis”: Guest Lecturer: Howard University Hospital, Washington, D.C., August 16, 1996

“Orthopaedic Aspects of NF”, “Etiology of Perthes’s Disease”, “Endoscopy Spinal Surgery”, “Clubfeet”: Robert Salter Visiting Professorship, Toronto, Canada, September 5-6, 1996.

“Thoracoscopic Anterior Spine Surgery”: Guest Lecturer Shrine Surgeons Meeting, Cincinnati, OH, October 5, 1996.:

“Pediatric Orthopaedics”: Guest Lecturer Springfield Community Hospital, Springfield, OH, October 9, 1996.

“VATS - Management of Spinal Deformities in Children.”: 8th Silverman Lecture, Radiology Alumni, Children’s Hospital Medical Center, Cincinnati, OH, October 18-19, 1996

“The stiff hip in Perthes”, “Coxa breva with incongruity and subluxation following septic hip.”: Guest Lecturer International Pediatric Orthopaedic Think Tank Meeting, Aix-En-Provence, France, November 7-10, 1996.

“Orthopaedic Concerns in Children With Growth Disorders”: Guest Lecturer Little People of America - Cincinnati Chapter, Children’s Hospital Medical Center, Cincinnati, OH, November 17, 1996

“Video Assisted Thoracoscopy Surgery (VATS) in Pediatric Spinal Deformities”, “Osseous Manifestations of Neurofibromatosis in Children”: Visiting Professor New Jersey Medical School, Department of Orthopaedics, Newark, NJ, December 4-5, 1996.

“Musculoskeletal Oncology in Children and Adolescents”: Grand Rounds University of Cincinnati College of Medicine, Cincinnati, OH, January 4, 1997

“Legg-Perthes Disease: Necrosis, Thrombosis or Just Hocus Pocus”. Pediatric Grand Rounds, Children’s Hospital Medical Center, Cincinnati, OH, January 28, 1997.

“Treatment of Congenital Hip Dislocation under the First Year of Life”, “Legg-Perthes’ Disease”, “Surgical Treatment of Upper femoral Epiphysis”: Visiting Lecturer Pediatric Hip Joint Conference, Barcelona, Spain, February 28, 1997

“Indications, Techniques and Results of Endoscopic Transthoracic Release for Spinal Deformity”; “Review of Transthoracic Spine Exposure in the Pig”: Visiting Speaker - Toronto Endoscopic Spine Surgery Symposium and Workshop, Toronto, Ontario, Canada, May 16 – 17, 1997.

25th Pediatric Orthopaedic International Seminar, Chicago, IL May 27-June 1, 1997. “Video Assisted Thoracoscopic Surgery (VATS) for Anterior Release and Fusion in Spinal Deformity, “Spine in Bone Dysplasia, ” Chondrolysis”, “Talipes Equinovarus”, “Valgus Foot. Soft tissue Release vs. Subtalar Stabilization. Grice Bone Block vs. Staple Arthrolysis vs. Medial, Displacement Osteotomy of Os Calcis vs. Lengthening of the Lateral Column of the Foot. Indications. Pitfalls. Results. Complications., “Elbow Dislocation”, “Neurofibromatosis”

Resident Disputation Day -- University of Maryland Hospital Baltimore, Maryland, Visiting Professor, June 5-7, 1997.”Video-Assisted Thoracoscopy for the Treatment of Spinal Deformities”, “Von Recklinghausen’s: Information in the Pediatric Population”

Ethicon-Endo Surgery “Minimally Invasive Anterior Approaches to Thoracic and Lumbar Spine Surgery” – Instructor Cincinnati, Ohio. June 12-13, 1997.

Visiting Surgeon, Department of Orthopaedic Surgery at Nemour’s Children’s Hospital, Orlando, Florida. Performed Video-Assisted Thoracoscopic Surgery. June 27-28, 1997.

Visiting Surgeon, Department of Orthopaedic Surgery at the Hospital for Special Surgeries in New York, NY. Performed Video-Assisted Thoracoscopic Surgery., July 9, 1997.

Kaiser Permanente Orthopaedic Update 1997, Maui, Hawaii. Lecturer: 1. Video-Assisted Thoracoscopy for Spinal Deformity, 2. Minimally Invasive Techniques in the Management of Pediatric Trauma and Reconstruction, July 28 – August 1, 1997.

National Medical Association Annual Meeting. Chairman: Pediatric Orthopaedics Section held at the Shriner's Hospital for Sick Children, Honolulu, Hawaii. 1. Surgical Management of Clubfoot Deformity, 2. Video-Assisted Thoracoscopy for Spinal Fusion in Children, 3. Management of Supracondylar Humeral Fractures, August 2-4, 1997.

Ethicon-Endo Surgery "Minimally Invasive Anterior Approaches to Thoracic and Lumbar Spine Surgery" – Instructor Cincinnati, Ohio, September 26-27, 1997.

Robert M. Heavenrich, M.D. Endowed Lecture in Pediatrics. Michigan State University, East Lansing, Michigan & St. Luke's Hospital, Saginaw, Michigan. 1. Neurofibromatosis in Children: What Every Pediatrician Should Know, October 8-10, 1997.

"Back Pain in Children"; "Management of Congenital and Acquired Problems"; "Treatment of Congenital Clubfoot": Frank H. Stelling Pediatric Orthopaedic Conference, Medical College of Georgia, Augusta, October 16 -18, 1997.

Oscar Miller Day, Charlotte, North Carolina. 1) Non-traumatic Knee Deformities, 2) Fractures and Dislocations of the Foot and Ankle, 3) Decision-Making in the Management of Children's Elbow Fracture, 4) Thoracoscopic Surgery for Scoliosis, October 30 – November 1, 1997.

5th GCC Conference Orthopaedic Association Conference, Jeddah, Saudi Arabia, 1) The Treatment of Supracondylar Humeral Fractures in Children, 2) Back Pain in Children, Foot and Ankle Fractures, 4) Legg-Perthes Treatment, 5) Video-Assisted Thoracoscopy Surgery (VATS): Used in the correction of Spinal Deformity in Children., 6) Cincinnati Surgical Approach to Clubfoot Surgery, 7) The Role of Osteotomy in the Treatment of Slipped Capital Femoral Epiphysis, December 6-9, 1997.

University of Cincinnati: Grand Rounds & Resident Interview Day "Responding to the Challenges of the Immature Spine", January 3, 1998.

Ethicon-Endo Surgery "Minimally Invasive Anterior Approaches to Thoracic and Lumbar Spine Surgery" -- Instructor Cincinnati, Ohio, January 24, 1998.

Ethicon-Endo Surgery "Minimally Invasive Anterior Approaches to Thoracic and Lumbar Spine Surgery" – Instructor Cincinnati, Ohio, February 28, 1998.

The Seventh Annual G. Wilbur Westin Lectureship. Guest Lecturer., Shriners Hospital for Children, Los Angeles, CA. 1) Supracondylar Humeral Fractures in Children, 2) Video-Assisted Thoracoscopy for Spinal Deformity: Indications, Techniques and Results of Endoscopic Transthoracic Release for Spinal Deformity, March 13 – 14, 1998.

AAOS--Annual Meeting, New Orleans, Louisiana. Instructional Course Lectures (Instructor),

Case Controversies in the Management of Non-Traumatic Pediatric Orthopaedic Pathology, 2.

Management of Elbow Injuries and Their Complications in Children, March 16-21, 1998.

“Skeletal Injury and Disorders in Pediatric Patients”: St. Elizabeth South, Edgewood, KY. March 27, 1998.

Invited Guest Speaker 1. Special Lecture: Thoracoscopic Spinal Surgery, 2. Abstract Presentation: Anterior Spinal Release and Fusion for Pediatric Spinal Deformity: Video-Assisted Thoracoscopic Surgery (VATS) vs. Thoracotomy., 3. Instructor: Thoracoscopic Spine Course at Ethicon Laboratory in Tokyo, Japan, April 27 – May 3, 1998.

POSNA, Cleveland, Ohio. 1. One Day Course on Bone Tumors (Guest Speaker) 1. Neurofibromatosis (NF-1) Bone and Soft Tissue Lesions 2. Abstract Presentation: Modulation of Spinal Deformities in NF-1, May 5-10, 1998.

The International Pediatric Orthopedic Symposium: “A Comprehensive Review of the State of The Art of Children’s Orthopedics”, Orlando, Florida. Guest Lecturer. 1. Spondylolysis and Spondylolisthesis, 2. Anterior Thoracoscopic Release and Fusion: When is it Indicated? Technical Tips., 3. Scheuermann’s: Non-Operative Management, May 20-24, 1998.

34th Annual Joseph S. Barr, M.D., Visiting Consultant, 1. Video-Assisted Thoracoscopy Surgery (VATS), 2. Neurofibromatosis, 3. Surgical Management of Clubfoot, May 28-29, 1998.

Pediatric Sports Medicine Symposium, King’s Island Inn and Resort, Cincinnati, Ohio. 1. Participant in The Knee Workshop, 2. Participant in The Ankle, Hand and Wrist Workshop, July 17-18, 1998.

Kaiser Permanente Annual Orthopaedic Update, Kauai, Hawaii, 1. Pediatric/Adult Fracture Management Symposium Upper Extremity Moderator: Shoulder, Elbow, and Wrist, July 25 – August 1, 1998.

Tennessee Orthopaedic Society, Meeting. The Greenbrier, White Sulphur Springs, WV. 1. Back Pain in Children, 2. Developmental Dysplasia of the Hip, August 27-29, 1998.

“Video-Assisted Thoracoscopic Surgery”: Philadelphia Orthopaedic Society Meeting - Howard H. Steel Pediatric Lecturer. Philadelphia, PA. September 14, 1998.

“Modulation of Spinal Deformities in NF-1”, “Complications of Surgical Management of Scheuermann’s Kyphosis”: SRS 33rd Annual Meeting, New York, NY. September 17-20, 1998.

Annual Clinical Assembly of Osteopathic Specialists. Chicago, IL, Guest Lecturer Scoliosis Surgery for the 21st Century, 1. Legg-Calve’ Perthes Disease: Modern Concepts of Pathophysiology and Treatment., September 27, 1998.

British Scoliosis Society Meeting, Dublin, Ireland. Guest Lecturer: Minimal Access Spinal Surgery, October 9, 1998.

“Supracondylar Humeral Fractures in Children”, “Cincinnati Management of Clubfoot Deformities”, “Traumatic Lesions in Children’s Ankles”, “Neurofibromatosis”, “Legg-Perthes Disease”, “Treatment of Flatfoot in Children”, “Vertical Congenital Talus”, “Juvenile Hallux Valgus”, “Valgus Flatfoot”, “Treatment of Idiopathic Scoliosis”: XXXI Meeting on Orthopaedics and Traumatology. Goiania, Brazil October 10-16, 1998.

International Pediatric Orthopaedic Think Tank Meeting. London, England. 1. Management of Congenital Pseudoarthrosis of the Tibia in Patients with Neurofibromatosis Type I. October 20-25, 1998.

Guest Lecturer at The Spine Surgery Associates, Chattanooga, TN. "Video-Assisted Thoracoscopic Surgery (VATS)", November 2, 1998.

Guest Lecturer at The Magic of Minimally Invasive Cardiac Surgery Course. Ethicon Endo Surgery, Inc., Cincinnati, Ohio. 1. The Role of the Access Surgeon in Orthopedic Spine Surgery, November 14, 1998.

Visiting Professor at the Lumbar Spinal Stenosis Meeting, Brussels. "Stenotic Conditions in Children and Adolescents, November 21, 1998.

Pediatric Surgery Grand Rounds. Children's Hospital Medical Center, Cincinnati, Ohio: "Fractures in Children", January 6, 1999.

UC Grand Rounds. University of Cincinnati Medical Center, Cincinnati, Ohio: "Children are Different: Current Concepts in the Management of Fractures in Children", January 9, 1999.

AAOS Annual Meeting, Anaheim, California: Instructional Course Instructor: 1. Management of Elbow Injuries and Their Complications in Children., 2. Interactive Panel Discussion of Angular and/or Rotatory, 3. Deformity of the Lower Extremity. Abstract Presentation: Modulation of Spinal Deformities in NF-1 Symposium: .Pediatric Forearm Fractures "Up Close and Personal", February 1-7, 1999.

Seminar on Slipped Capital Femoral Epiphysis and Adolescent Hip Problems. Madrid, Spain: 1. Bone Peg Epiphysiodesis, 2. Osteotomies, 3. Sugioka, 4. Endoscopic Osteotomy, March 11-12, 1999.

Minimally Invasive Spine Surgery Course, St. Louis, Missouri. Instructor: Thoracoscopic Procedures. Lecture: Complications of Thoracoscopic Procedures, April 7-11, 1999.

"Back Pain in Children", "Video-Assisted Thoracoscopy Surgery (VATS)": Washington Orthopaedic Society Lecture Series. Arlington, VA. April 12, 1999

Ohio Orthopaedic Society, 60th Annual Meeting, Dayton, Ohio. 1. Video-Assisted Thoracoscopy for Anterior Spinal Fusion (Abstract Presentation), May 7, 1999.

POSNA Annual Meeting, Orlando, Florida. One Day Course (Pre-Meeting) Coordinator and Moderator Section: Congenital Bowing Antero-Lateral: Abstract Presentations: "Management of Spondyloptosis in Children" and "Displaced Supracondylar Humeral Fractures: Does the timing of Surgery Make a Difference?", May 15-19, 1999.

"Cast Management of Scheuermann's", "Kyphosis in Dwarfism", "Thoracoscopic Techniques: Tips and Pitfalls", "Neurofibromatosis", "Open Fracture of the Tibia in Children", "Displaced Distal Radius Fractures: Remodeling Potential – When is Open Reduction Indicated?": 2nd IPOS, Chicago, IL. May 25-30, 1999

SRS Annual Meeting, San Diego, California Symposium: “Minimally Invasive Surgical Complications” Abstract Presentation: “Anterior Spinal Release & Fusion: Video-Assisted Thoracoscopic Surgery (VATS) vs. Thoracotomy”, September 20-25, 1999.

“Supracondylar Humeral Fractures Grand Rounds”: Ohio State University. October 12, 1999.

“Congenital Kyphosis and Scoliosis”, “Current Trend in Fracture Treatment in Children”, “Thoracoendoscopic Surgery for Idiopathic Scoliosis”, “Treatment by Cincinnati Incision”, “Hip and Knee”: 4th Combine Meeting of the Spinal and Paediatric Sections of WPOA and the 21st Annual Meeting of the Royal College of Orthopaedic Surgeons of Thailand & the Thai Orthopaedic Association, Pattaya, Thailand. 1999

Surgical Management of Adult and Pediatric Orthopaedic Trauma, University Place and Conference Center, Indianapolis, Indiana. Visiting Professor: “Pediatric Tibia Fractures”, “Decision-making in Problem Elbow Fractures”, October 27 – 28, 1999.

Philippine Orthopaedic Association 50th anniversary meeting, the 19th Congress Asian Orthopaedic Association, and the Western Pacific Orthopaedic Association Meeting, Manila, Philippines. Visiting Professor: Session on Femoral Shaft Fractures: Use of Plates or External Fixators for Femoral Shaft Fractures; “Legg-Calve-Perthes-Disease: Current Concepts”, “Congenital Talipes Equinovarus-Surgical Management” , November 8-12, 1999.

Hong Kong Orthopaedic Association Annual Congress and Visiting Professor at Chinese University. “VATS: treatment of Spinal Problems in Children”, “NF in Children”, “Supracondylar Humeral Fractures in Children”, “Vertebral and Spinal Cord Tumors in Children”, “Symposium: DDH: Conservative and Operative Treatment”, “Symposium: Congenital Clubfoot”, “Treatment: How Do I Manage IT” Complications and Management”; Symposium: Ped. Ortho in Next Millennium Bone Endoscopy, November 12-20, 1999.

Advanced Comprehensive Isola Instrumentation Workshop, Rosemont, IL, December 4-5, 1999.

University of Cincinnati, Grand Rounds: Legg-Calve-Perthes Disease, January 8, 2000.

Endoscopic Approaches to the Thoracic Spine Course, Memphis, TN. “Thoracoscopic Surgery - Anatomy and Indications”, February 5, 2000.

“Current Status of Scoliosis for Primary Care Physician”, “Spine Fractures and Spine Tumors In Children”: Visiting Professor Akron Children’s Hospital, Akron, OH. February 25-26, 2000

AAOS, Orlando, Florida Scientific paper presentation: 1. Management of Spondyloptosis in Children Instructional course faculty, 2. Management of Elbow Injuries and Their Complications in Children, March 13-19, 2000.

Oleika Lecturer Shriners Hospital, Lexington, Kentucky, “ Current Management of Fractures In Children”, “VATS for the Management of Spinal Deformities in Children”, “Treatment of Malignant tumors in Children”, “The Cincinnati Surgical Approach to Clubfoot”, “Osseous Manifestations of NF in Children”, March 22-24, 2000.

Endoscopic Approaches to the Thoracic Spine. Memphis, Tennessee, “Thoracoscopic Surgery: Anatomy and Indications”, March 31 – April 2, 2000.

The 73rd Annual Meeting of the Japanese Orthopaedic Association. Kobe, Japan.” Correction of Idiopathic Scoliosis Using ISOLA Interspinous Segmental Instrumentation (ISSI)”, April 4-9, 2000.

Spine 2000 Conference. Newport Beach, California. Evolution of Thoracoscopic Spinal Surgery. Where are we Today?, April 27-30, 2000.

May 24-28 International Pediatric Orthopaedic Symposium. San Francisco, California. Instructor: CASE Presentations: “Complications: Overcorrected Clubfoot, Dorsal Bunion, Stiff Foot, Dorsally Subluxated Navicular”; Table Instructor: - Spine Instrumentation Workshops; “Medial Capsular Release: When and How?”, “Combined Femoral and Pelvic Osteotomy”, “Neurofibromatosis”, May 24-28, 2000.

Louis Levey Lectureship/Resident Graduation. Ft. Worth, Texas, “Current Management of Pediatric Fractures - Upper Extremity”, “Current Management of Pediatric Fractures - Lower Extremity”, “Orthopaedics: The Winds of Change”:, June 19-20, 2000.

30th Anniversary of the Creation of the Scoliosis Center, Hospital Italiano de Buenos Aires. Buenos Aires, Argentina. “Expanding the Roles of Video-Assisted Thoracoscopic Surgery in the Management of Spinal Conditions in Children.”, “Congenital Scoliosis and Kyphosis”, “Video-Assisted Thoracoscopic Surgery for the Management of Spinal Deformities in, Children”, “Anterior Spinal Instrumentation via Video-Assisted Thoracoscopic Surgery”, “Spinal Deformities Associated Neurofibromatosis Type I”, Round Table Discussion: Congenital Scoliosis and Kyphosis, June 29 – July 1, 2000.

International Meeting on Advanced Spine Techniques (IMAST). Barcelona, Spain. Pre course: The Surgical Management of Spinal Deformity in the Young Child “Anterior Instrumentation in the Thoracic Spine - Endoscopic Techniques”, “Endoscopic Mechanical Spinal Hemiepiphysiodesis Modifies Spine Growth”, July 5-8, 2000.

Minimally Invasive Spine Course, St. Louis, Missouri. Faculty: Thoracoscopic Procedures, July 20-23, 2000.

Anatomy Course: Focus on Anatomy VII: The Elbow, Jewish Hospital of Louisville, Kentucky. “Elbow Fractures”, “Congenital Conditions of the Elbow”: August 19-20, 2000.

International Pediatric Orthopaedic Think Tank (IPOTT) Annual Meeting, Stuttgart, Germany. “Halo-Femoral Traction Doesn’t Work”, September 20-23, 2000.

Newington Department of Orthopaedics, 38th Annual Newington Orthopaedic Alumni Day Honoring Dr. Jack Banta, Hartford, CT. “Thoracoscopic Surgery: Method for the Treatment of Scoliosis”, “Treatment of Clubfoot Surgery”, September 28 – October 1, 2000.

SRS Traveling Fellows - St. Louis, MO “Video-Assisted Thoracoscopic Surgery”, October 6, 2000.

La Ortopedia Infantil Hacia El Siglo XXI - Caracas, Venezuela “Back Pain in Children”, “Medial Capsular Release, when and how? Combined Femoral and Pelvic Osteotomy”, “Current Concept in the Management of Slipped Capital Femoral Epiphysis”. “Management of Congenital Knee Problems of the Pediatric Knee”, “Surgical Treatment of Congenital

Clubfoot", "Fractures of the Upper Limb in Children", "Operative Management of Spine Fractures in Children", "VATS for Spine Problems in Children", October 24-29, 2000.

XIV Annual Congress SMOP 2000 - Guanajuato, Gto. Mexico "LCP: Surgical vs. Non-Surgical", "VATS for Spine Problems in Children", "Osseous Manifestations of NF in Children", "Current Management of Pediatric Fractures", "Problem Elbow Fractures, November 2-4, 2000.

Children's Hospital Medical Center "Tots and Trauma: Update '00" - Cincinnati, Ohio "Spine Fractures in Children Without Neurologic Deficit", November 9, 2000.

Israel Orthopaedic Society Meeting - Tel Aviv, Israel "Decision-Making in Problem Elbow Fractures", "VATS for Spine Problems in Children", "Operative Management of Spine Fractures in Children", "Treatment of Congenital Clubfoot (Cincinnati Approach)", "LCP, Surgical vs. Non-Surgical", December 2-7, 2000.

Carroll B. Larson Shrine Memorial Lectureship, Iowa City, Iowa. Guest Lecturer. "Legg-Calve-Perthes' Disease: Surgical vs. Non Surgical", "Pediatric Fractures", "Osseous Manifestation of NF in Children", February 1-3, 2001.

Big Time Spine Meeting (Depuy Acromed), Vail, Colorado, "Endoscopic Stapling", "Endoscopic Instrumentation", "VATS" Technique Workshop, February 3 - 6, 2001.

VI International Congress of Orthopaedic Surgeons in Panama "Treatment of Congenital Clubfoot-Cincinnati Approach", "Current Management of Developmental Dysplasia of the Hip", "Osseous Manifestation of NF in Children", "Current Management of Pediatric Fractures", "Legg-Calve-Perthes' Disease: Surgical vs. Nonsurgical" "Benign and Malignant Musculoskeletal Tumors in Children", "Video-Assisted Thoracoscopy for Spine Problems in Children", February 7-11, 2001.

AAOS Annual Meeting, San Francisco, California. Fosa Speciality Day: "High-grade Spondylolisthesis/In-Situ Treatment Instructional Course Instructor: "Spondylolysis and Spondylolisthesis", Instructional Course Instructor: "Anterior Surgery in the Thoracic and Lumbar Spine: Pediatric and Adult", February 26 - March 4, 2001.

Isola Deformity Course, Dallas, TX, "Anterior Scoliosis", "Kyphosis", March 23, 2001.

POSNA Annual Meeting, Cancun Mexico. Abstract Presentation: "Neonatal Kyphectomy in the MM Patient", May 1-6, 2001.

Murray S. Danforth Oration-Guest Speaker, Rhode Island Hospital, Providence, Rhode Island.

"Video-Assisted Thoracoscopic Surgery", "Legg-Calve-Perthes Disease: Surgical vs. Non- Surgical", May 15-16, 2001.

Panel Member- "Short Stories" Little People of America, Channel 48 WCET, Cincinnati, OH, May 17, 2001.

OI Conference, Children's Hospital Medical Center, Cincinnati, Ohio. "Spinal Rodding in Scoliosis and Rodding Procedures in the Long-Bone", May 19, 2001.

Combined Grand Rounds: Henry Ford Hospital and Wayne State University, Detroit, Michigan. Visiting Professor "VATS", "Vertebral and Spinal Cord Tumors in Children" June 2001.

Sherman Coleman Visiting Professorship, Salt Lake City, Utah "Supracondylar Humeral Fractures in Children", "NF in Children", "Vats for Spinal Problems", June 21-23, 2001.

8th International Meeting on Advanced Spine Techniques, Paradise Island, Bahamas. Moderator: Deformity; Instructional Course: Anterior Scoliosis Correction Strategies Debate: Thoracoscopic vs. Mini-Approach; Abstract Presentation: Endoscopic Vertebral Stapling; Round Table Discussion: Deformity; Instructional Course: Anterior Instrumentation For Correction of Idiopathic Scoliosis (Sofamor-Danek), July 11-14, 2001.

IPOS. Orlando, Florida "Hip Fractures and Dislocations", "VATS: Tips and Pitfalls", Endoscopic-Assisted Pelvic Osteotomies", "Neurofibromatosis", August 28-31, 2001.

SRS, Cleveland, Ohio. President of Society; Abstract Presentation: "Surgical Management of Spinal Deformities in NF: A Correlation between modulation and surgical outcome"; Instructional Course: Neuromuscular Scoliosis. "NF and Spinal Deformity". September 18-22, 2001

Caldwell Guest Lecturer, New Orleans, LA; Video-Assisted Thoracoscopic Surgery (VATS)", "Neurofibromatosis (NF)", "Supracondylar Humeral Fractures in Children", September 28-30, 2001.

Ohio State University Grand Rounds; "Video-Assisted Thoracoscopic Surgery", Columbus, Ohio, October 11, 2001.

Singapore General Hospital – Visiting Professor "Video-Assisted Thoracoscopic Surgery", "Treatment of Congenital Club Foot (Cincinnati Approach)", "Management of Supracondylar Humeral Fracture", "Decision Making in Problem Elbow Fractures", "Benign and Malignant Musculoskeletal Tumors in Children", "Current Management of pediatric fractures", "Current Management of Developmental Dysplasia of Hip", "Operative Management of Spine Fractures in Children", "Spine in Bone Dysplasia (Short Stature)", "Osseous Manifestation NF", "Tumors involving the Vertebral column and spinal cord"; November 9-18, 2001.

"Osteogenic Sarcoma": Grand Rounds, University of Cincinnati, College of Medicine, Cincinnati, OH, December 5, 2001.

AAOS Meeting, Dallas, TX: Instructional Course Lecture #112 "Spondylolysis and Spondylolisthesis", "Defining the Learning Curve of VATS: 70 Consecutive Cases" Instructional Course Lecture #272-"Anterior Surgery in the Thoracic and Lumbar Spine: Pediatrics and Adult", February 13-17, 2002.

"Neurofibromatosis in Children", "Halo-femoral Traction as an Adjunct to Spinal Surgery", "Current Treatment of Clubfoot – Is the Past the Future?": Nicholson Visiting Professor, Children's Hospital/University of Pennsylvania, Philadelphia, PA, March 21, 2002.

"Surgical Management of Spinal Deformities in Neurofibromatosis – A Correlation Between Modulation and Surgical Outcome", "Flat Top Talus in Clubfoot: Iatrogenic vs Natural History": POSNA, May 3-5, 2002.

“Video-Assisted Thoracoscopy for Pediatric Spinal Deformities: The Learning Curve of the First 100”: Tulane-Louisville Spine Meeting, Louisville, KY, May 10, 2002.

“Surgical Challenges in Spinal Deformity”; “Defining the Learning Curve of Video Assisted Thoracoscopic Surgery (VATS): The First Hundred Cases”; “High-Grade Spondylolisthesis Complete Reductions: Are They Worth the Risk?” IMAST, Montreux, Switzerland, May 22-25, 2002.

“The Role of Osteotomy in the Treatment of Slipped Capital Femoral Epiphysis”; Current Knowledge on Pseudarthrosis Tibia (congenital tibial dysplasia, anterolateral bowing); “The Child’s Foot”; “Current Approach in Clubfoot Surgery”, 51st Congress Nordic Orthopaedic Federation, Uppsala, Sweden, May 29-31, 2002.

“Osseous Manifestations of Neurofibromatosis”; “Clubfoot Current Trends”. Shriners Hospital, St. Louis, MO, June 12, 2002.

“My Turn”. Melrose High School Alumni Reunion, Chicago, IL, July 11-14, 2002.

“Clinical Evaluation & Decision Making in Children with CP”; “Treatment of Paralytic Foot Problems by Subtalar Arthrodesis”; “Spine Problems in Neuromuscular Disease”; “Osseous Manifestations of Neurofibromatosis in Children”; “Treatment of Supracondylar Humeral Fractures in Children”; “Indications & Treatment Principles in Idiopathic Scoliosis”; “Posterior Scoliosis Correction: Universal System and Spinous Process Wiring”; “Back Pain in Children”; “Pelvic Osteotomy with Endoscopic Guidance”; “Current Concepts of Management of LPC”; “Treatment of Hinge Abduction by Medial Capsulotomy”; “Osteotomy for Severe SCFE”, Orthopaedic Summer School, Helsinki, Finland, July 29 – August 2, 2002.

“Defining the Learning Curve, Video Assisted Thoracoscopic Surgery (VATS), 100 Consecutive Cases”; “Pediatric Spinal Endoscopy”; “. Frontier Pre-Launch Meeting (DePuy Acromed), San Diego, CA, August 23-25, 2002.

“Current Manpower/Experience of Surgeons Doing Deformity Surgery”. SRS Annual Meeting, Seattle, WA, September 16-22, 2002.

“Pearls in Exam/Imaging of Pediatric Scoliosis”; “Presidential Dinner Guest Speaker” EOA Annual Meeting, Amelia Island, FL, October 16-19, 2002.

“Tumors Involving the Vertebral Column and Spinal Cord in Children”; “The Spine in Bone Dysplasia”; “Operative Management of Spine Fractures in Children”, XII Meeting of Argentine Society of Spinal Pathology, Cordoba, Argentina, October 24-26, 2002.

“Defining the Learning Curve of Video Assisted Thoracoscopic Surgery (VATS): Seventy Consecutive Cases”; “Orthopaedic Problems and Their Treatment in Neurofibromatosis”. GEOP/SOFCOT Meeting, Paris, France, November 12-15, 2002.

“Neurofibromatosis”; “Elbow Injuries in Children and Teens”. British Columbia Children’s Hospital, Vancouver, Canada, November 28-29, 2002.

“Proximal Femoral Osteotomy for SCFE”; “Orthopaedic Manifestations of Neurofibromatosis”; “Thoracoscopic Spinal Surgery”. IPOS Annual Meeting, Orlando, FL December 4-8, 2002.

“Effectiveness of Spinal Release & Halo Femoral Traction in the Management of Severe Spinal Deformity”; “Anterior Surgery in Thoracic & Lumbar Spine: Pediatric & Adult”; “Hinge Abduction & Joint Stiffness in Perthes Disease: Effectiveness of Medial Soft Tissue Release & Petrie Casting Followed by Femoral Head Containment”; “Spondylolysis & Spondylolisthesis”. AAOS Annual Meeting, New Orleans, LA, February 5-8, 2003.

“Spinal Deformity”; “Pediatric Scoliosis: Endoscopic Instrumentation – Pros and Cons”. Cedars Sinai, La Quinta Conference, Palm Springs, CA, February 28 – March 2, 2003.

“The Learning Curve in Thoracoscopic Deformity Surgery”, AAOS Instructional Course Lecture, St. Louis, MO, April 4-6, 2003.

“Current State of Spinal Endoscopy in Children”; “The History of Surgical Management of Spinal Deformity”, Risser Memorial Lecturer, Orthopaedic Hospital, Los Angeles, CA, April 9-12, 2003.

“Pediatric Vertebral & Spinal Cord Tumors”; “Osseous Manifestations of NF in Children”; “Spinal Endoscopy: Pros and Cons”. University of Minnesota, Minneapolis, MN, April 24-25, 2003.

“Upper Extremity Fractures – Controversies”, POSNA, Amelia Island, FL, May 1-3, 2003.

“Defining the Learning Curve of Video Assisted Thoracoscopic Surgery (VATS): The First Hundred Cases”, Ohio Orthopaedic Society, Cincinnati, OH, May 8-10, 2003.

“Neurofibromatosis in Children”; “Supracondylar Humeral Fractures”; “Common Problems in Pediatric Surgery”. University of Oklahoma, Oklahoma City, OK, May 15-17, 2003.

“Spondylolisthesis”; “Effectiveness of Spinal Release & Halo-Femoral Traction in the Management of Severe Spinal Deformity”; “Pediatric Deformity Challenges”. IMAST, Rome, Italy, July 8-14, 2003.

“Spinal Injuries in Children”; “Open Tibial Fractures in Children”; “Long Bone Fractures in Children”; “Assessment and Treatment of Elbow Injuries in Children”: Edinburgh International Trauma Symposium, Edinburgh, Scotland, August 13-15, 2003.

“Spondylolysis and Spondylolisthesis: A Review of Current Trends and Controversies”. CME Course, Scoliosis Research Society Annual Meeting, Quebec, Canada, September 9-13, 2003.

“Osseous Manifestations of NF in Children”; “Benign and Malignant Musculoskeletal Tumors in Children”; “Translational Surgical Research”; “Decision-making in Problem Elbow Fractures”: Brock Lecture Program, Shriners Hospital for Children, Erie, PA, September 26-27, 2003.

“This Hip is Only Normal at Birth”: IPOTT – Aufranc Fellows Reunion, Boston, MA, October 18, 2003.

“Translational Surgery”; “Osseous Manifestations of Neurofibromatosis”. Visiting Professor, Southern Illinois University School of Medicine, Springfield, Illinois, November 5, 2003.

“Surgical Containment for Advanced Perthes”; “Current Role of Thoracoscopic Spinal Surgery”; “halo-femoral Traction for Severe Scoliosis”; “What Are the Limits of Malreduction

for Metaphyseal Fractures of the Distal Radius”: International Pediatric Orthopaedic Symposium (IPOS), San Diego, CA, December 3-7, 2003.

“Left Thoracic Curves”: Harms Study, Beaver Creek, Vail, CO, January 2-4, 2004.

“Video-assisted Thoracoscopic Surgery; Anterior Posterior Spinal Fusion in Scheuermann’s Kyphosis” (Poster presentation); Welcome Address “It Is What It Is”; “Spondylolysis & Spondylolisthesis” Instructional Course Lecture; “Anterior Surgery in The Thoracic & Lumbar Spine: Pediatric & Adult” Instructional Course Lecture; “Experience with Combined Video-Assisted Thoracoscopic Surgery & Posterior Fusion in Scheuermann’s Kyphosis” Presentation: AAOS, San Francisco, CA, March 10-14, 2004.

“Is the Hip Only Normal at Birth”; “Back Pain Due to Inflammation”: EPOS, Geneva, Switzerland, March 31-April 3, 2004.

“Spine Injuries in Sports”: Cincinnati Children’s Sports Medicine Symposium, Cincinnati, OH, April 17, 2004.

“The Spine in Bone Dysplasia”; “Operative Management of Spine fractures in Children”; “Malignant Musculoskeletal Tumors in Children”; “Current Management of Development in Dysplasia of the Hip”; “VATS Problems in Children”: 2004 Mexican National Orthopaedic Meeting, Mexico City, Mexico, May 1-3, 2004.

“Current Management of Malignant Musculoskeletal Tumors in Childhood”; “Congenital Talipes Equinovarus – Clubfoot”; “Osseous Manifestation of NF in Children”: Foundation Day, Dublin, Ireland, May 12-15, 2004.

“Current Status of VATS for Spinal Problems in Pediatric Patients”; “Pediatric Spinal Surgery”: Japanese Orthopaedic Association, Kobe, Japan, May 20-22, 2004.

“Osseous Manifestation of Neurofibromatosis”; “Legg-Calve-Perthes Disease: Surgical vs Non-Surgical”: Medical College of Ohio, Dept. of Orthopaedics, Resident Research Day, Toledo, OH, June 11, 2004.

“Experience with Management of Dystrophic Scoliosis in Patients with Neurofibromatosis”; “Augustus A. White, III, MD – The Man and the Spine”: Beth Israel Deaconess Medical Center, Augustus A. White Spine Symposium, Boston, MA, October 13, 2004.

“Current Management of Developmental Dysplasia of the Hip”; “Decision-making in Problem Elbow Fractures”: Shriners Hospital for Children, Eugene Rogala 2004 Visiting Professor, Montreal, Canada, October 21-22, 2004.

“Neuro-orthopaedics”; “Congenital Disorders”; “Clubfoot and Metatarsus Varus”; “Congenital Pseudarthrosis of the Tibia and Other Congenital Disorders”: X Seminar on Paediatric Orthopaedics, Madrid, Spain, November 5-6, 2004.

“NF: Diagnosis and Manifestations”; “Congenital Disorders of the Knee”; “Flatfoot and Congenital Vertical Talus”; “Management of Chondrolysis”: International Pediatric Orthopaedic Symposium, Orlando, FL, December 1-5, 2004.

“Scheuermann’s Kyphosis: Results of Retrospective Review & Design of Prospective Study; “PET Scans of The Aorta”; “Correction of Left Thoracic Curves”: HARMS Study Group: Beaver Creek, CO, January 6-9, 2005.

“Osseous manifestation of NF in children”; “Decision-making in problem elbow fractures”; “Current concepts in the management of SCFE”: Mimi Barnhart Guest Visiting Professor, Baylor College of Medicine/Texas Children’s Hospital, Houston, TX, February 4, 2005.

“Pulmonary function in adolescent idiopathic scoliosis”: AAOS, Washington DC, February 25, 2005.

“Decision Making in Problem Elbow Fractures”; “It Is What It Is”; “Osseous Manifestation of NF in Children”; “Treatment of Congenital Clubfoot – Cincinnati Approach”: David Sutherland Guest Visiting Professor, Children’s Hospital San Diego, San Diego, CA, April 21-22, 2005.

“Assessment of Processed Allograft and Clinical Outcomes of Culture Positive Specimens”: Poster presentation at POSNA, Ottawa, Canada, May 12-15, 2005.

“Spine Fractures in Children”; Spinal Deformities in NF”; “VATS for spinal deformities”; “Treatment of Spinal Deformities: Past, Present, and Future”: Healing the Children Missions trip, Shanghai & Beijing, China, June 25 – July 7, 2005.

“Management of the Adolescent Spine”: College and High School Sports Medicine Conference, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH, July 23, 2005.

“Update of Scoliosis Surgical Techniques”; “Update on Neurofibromatosis”; Update on Legg-Calve-Perthes Disease”: Cole Memorial Pediatric Orthopaedic Seminar, Gillette Children’s, St. Paul, MN, September 30, 2005.

“The Immature Spine: Past, Present, and Future”: Detroit Academy of Orthopaedics, Troy, MI, October 10, 2005.

“Youth Sport Injuries: Can the Epidemic be Stopped?”: AAOS/NATA Life Cycle of the Physically Active, Madison Square Garden, New York, NY, October 18, 2005.

“Tumors Involving the Vertebral Column & Spinal Cord in Children”; “The Spine in Bone Dysplasia (Short Stature)”: Visiting Professor – University of Virginia, Charlottesville, VA, October 21-22, 2005.

“Spinal Deformity Secondary to Dystrophic Change”: SRS Annual Meeting, Miami, FL, October 27, 2005.

“Fusionless Spine Surgery for Scoliosis” – ICL; “Foot and Ankle Pain in Children and Adolescents” – Panel Discussion; “Pelvic Fixation for Spinal Deformity” – Breakout Session; “Thoracoscopic Techniques” – DePuy Spine breakout session; “Congenital Pseudarthrosis of Tibia” – Breakout session: POSNA/AAOS Peds Course, Orlando, FL, November 30 – December 4, 2005.

“Treatment of Scoliosis”; “Adult Deformity” – panel discussion/case presentations: Mayo Clinic Int’l Spine Surgery & Tumor Symposium, Kauai, HI, January 16 – 20, 2006.

Professor In Residence, San Diego Naval Hospital; Visiting Professor, San Diego Children's Hospital, Sabbatical, San Diego, CA, January 2006.

"Pediatric Spine I"; Pediatric Spine II": JRGS, Howard University, Visiting Professor In Residence, Sabbatical, Washington, DC, February 2006.

Visiting Professor In-Residence, Texas Scottish Rite Hospital for Children, Sabbatical, Dallas, TX, March 2006.

Visiting Professor In-Residence Harvard's Boston Children's Hospital, Boston, MA, March 12-16, 2006.

Grand Rounds, "The Osseous Manifestations of NF in Children": Massachusetts General Hospital, Boston, MA, March 15, 2006

"Symposium D – Current Knowledge & Treatment Options": AAOS, Chicago, IL, March 22-26, 2006.

"Operative Management of Spine Fractures in Children"; Treatment of Spinal Deformities: Past, Present & Future": Lauren B. Flawn, MD, Lectureship, University of Texas Health and Science Center, San Antonio, TX, April 2006.

"Updated Approaches to Pediatric Spinal Deformity"; "The Management of Spinal Problems Associated with NF"; "Endoscopic Approach to Idiopathic Scoliosis in Adolescents": Visiting Professor, Japanese Orthopaedic Association, Tokyo, Japan, May 18-21, 2006.

"Osseous Manifestation of NF in Children"; Surgical Treatment of Adolescent Idiopathic Scoliosis"; AAOS #3208 "Current Trends & Treatment Methods in Pediatric & Adult Spinal Deformity"; "Surgical Treatment of Adolescent Idiopathic Scoliosis"; Panel Discussion; Hands on Skills Lab "Thoracic Pedicle Screw; Deformity Correction Techniques Sacropelvic Fixation: Spinal Osteotomies": David Levine Lecture, New York, NY, June 9-10, 2006.

"Treatment of Congenital Clubfoot (Cincinnati Approach)"; "Current Management of Developmental Dysplasia of the Hip"; "Osseous Manifestations of NF in Children": Pediatric Orthopaedic Review Course, Mexico City, Mexico, July 10-14, 2006.

"Issues in Upper Extremity Trauma: A Comparison of Pediatric & Adult Trauma"; "Issues in Lower Extremity Trauma: A Comparison of Pediatric & Adult Trauma": Kaiser Course, Kauai, Hawaii, July 27, 2006.

"Coagulopathy & Perthes Disease"; "Medial Release for Perthes Disease": Faculty Member, Baltimore Limb Deformity Course (Perthes), Baltimore, MD, September 1-3, 2006.

"Advances on the Surgical Management of Spinal Tumors": 1st Annual Musculoskeletal Tumor Symposium, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, September 6th 2006.

"Treatment of Pediatric Spine Deformity" – Conference: Healing the Children, Shanghai Missions, Shanghai, China, September 20-29, 2006.

“Legg-Calve-Perthes Disease: Surgical vs. Non Surgical”; “Current Management of Pediatric Fractures”; “Slipped Capital Femoral Epiphysis’s: Management of Sequelae”; “Decision Making in Problem Elbow Fractures”: SAOTI Meeting, Guest Speaker, Buenos Aires, Argentina, October 11-15, 2006.

“Low Back Injuries in Female Athletes”: Management of the Female Athlete: Prevention/Rehabilitation Strategies, Cincinnati Children’s Hospital Medical Center, November 5, 2006.

“Osteogenesis Imperfecta Biological & Surgical Treatments” - ICL: Panelist SCFE; “Preliminary Traction for Severe Scoliosis: Indications, Techniques, Results”; “Sagittal Plane Deformities”; “Anterior Fusion, Thoracoscopic Indications & Technical Tips”; “Thoracic Pedicle Screws and Vertebral Body Derotation” - ICL: “Foot Disorders: Congenital Vertical Talus, Tarsal Coalitions, Pes Cavus, etc.” - ICL: “Foot Osteotomies: Techniques” – ICL: IPOS, Orlando, FL, November 29 – December 3, 2006.

“Adult Spine”, Chair; “Management of Hip Dysplasias”: Arab Health Conference 2007, Dubai, United Arab Emirates, January 26 – 31, 2007

“Staying Out of Trouble”, Guest Lecturer, AAOS Annual Meeting 2007, San Diego, CA, February 13 – 18, 2007.

Visiting Professor, University of Tennessee, Memphis, TN, April 12-15, 2007.

“Visions & Mentoring”, Guest Speaker, Mississippi Orthopaedic Society Meeting, Point Clear, AL, May 4-5, 2007.

Presidential Guest Speaker, POSNA, Hollywood, FL, May 23-26, 2007.

Women’s Care Clinic, Doctors Hospital and Medical Centre, Lahore, Pakistan, Mission Trip, July 18 – August 2, 2007.

“Osteosarcoma of the Axial Skeleton”, Guest Lecturer, 2nd Annual Musculoskeletal Tumor Symposium, Cincinnati Children’s Hospital Medical Center, September 24, 2007.

“Early Onset Scoliosis, Part II”: Advanced Spinal Deformity Program, San Francisco, CA, October 5, 2007.

“Low Back Injuries in Female Athletes”: 5th Annual Management of the Female Athlete Prevention and Rehabilitation Strategies, Cincinnati Children’s Hospital Medical Center, November 3, 2007.

“Management of Spine Deformity Resulting from Tumors”, “Spinal Alignment Issues in Cerebral Palsy”, “NF and Spinal Deformity”, “AIS-Endoscopic Techniques”, Guest Lecturer, 3rd International Mayo Clinic Spine Symposium, Kauai, Hawaii, January 26 - February 2, 2008.

“Surgery and Bracing”, Guest Lecturer, NF1 Bone Working Group Meeting, New York City, February 22-24, 2008.

Glos DL, Sauser F, Miller J, Jain V, **Crawford AH**, Wall EJ, Bylski-Austrow DI: "In Vivo Compressive Stresses in the Intervertebral Disc Vary in Quadrupeds and are Lower Than Human." Orthopaedic Research Society, San Francisco, March 1-5, 2008.

Bylski-Austrow DI, Wall EJ, Glos DL, Ballard ET, Montgomery A, **Crawford AH**: "Spinal Hemiepiphysiodesis Correlates with Structural Changes to Vertebral Growth Plates and Disc Consistent with Asymmetric Compression." Orthopaedic Research Society, San Francisco, 1-5 March 2008.

"Staying Out of Trouble in Pediatric Orthopaedics", AAOS 75th Annual Meeting, San Francisco, CA, March 5-9, 2008.

"Pediatric Upper Extremity Fractures", " Pediatric Lower Extremity Fractures, 23rd Annual Hawaii Orthopaedic Spring Symposium, 2008 Shriners Hospital Ivar Larsen Memorial Speaker, Honolulu, HI, April 10-13, 2008.

Sauser FE, Glos DL, Moore M, Miller J, **Crawford AH**, Wal EJ, Bylski-Austrow DI: "Compressive Stresses and Joint Motion of the Quadruped Spine: Effect of Unilaterally Constraining Intervertebral Joint Displacement." Midwest Tissue Engineering Consortium, Cincinnati, 11-12 April 2008.

"Osseous Manifestation of Neurofibromatosis in Children", "Benign and Malignant Musculoskeletal Tumors in Children", "Decision Making in Problem Elbow Fractures in Children", Visiting Professor Wisconsin University, Wisconsin, 24-25 April 2008.

"Experience Gained from J. Robert Gladden Orthopaedic Society In-Residence Professorship at Howard University", Guest Lecturer, JRGOS Biennial Meeting, Washington, DC, 26-27 April 2008.

"Comparison of Rib Hump Deformity Correction in AIS with Instrumented Posterior Spinal Fusion With or Without Costoplasty Using Double Rib Contour Sign", Paper Presentation, "Comparison of Prone Video Assisted Thoracoscopic Anterior Spinal Surgery (VATS) and Simultaneous Posterior Spinal Fusion (PSF) with VATS and Sequential PSF in Pediatric Spinal Deformities", Poster Presentation, Guest Lecturer, POSNA, Albuquerque, 29 April-4 May 2008.

Wall EJ, Bylski-Austrow DI, Glos DL, Ballard ET, Montgomery A, **Crawford AH**: "Spinal Hemiepiphysiodesis Correlates with Structural Changes to Vertebral Growth Plates and Disc Consistent with Asymmetric Compression." Spine Week, Geneva Switzerland, 26-31 May 2008.

"Current Treatment/Management of Scoliosis and Long Bone Bowing and Pseudarthrosis", "NF Manifestations II", Guest Lecturer, The Children's Tumor Foundation, 2008 Neurofibromatosis (NF) Conference, Florida, 6-8 June 2008.

Johns Hopkins University, Guest Graduation Speaker, Resident Day, Baltimore, 13-14 June 2008.

EPONYMICAL LECTURES:

Gordon Townsend Lectureship – Alberta Children's Hospital Calgary, Alberta Canada 1983

Mather Cleveland Visiting Professor- Columbia University St. Luke's Roosevelt Hospital Center, New York 1987
Martin Luther King/Caesar Chavez/Rosa Parks Visiting Professor – University of Michigan, Ann Arbor, MI 1987
Ryerson Professorship in Pediatric Orthopaedics Children's Memorial Hospital – Northwestern University, Chicago, IL
Lowman Professor of Orthopaedic Surgery – The Orthopaedic Hospital, University of Southern California College of Medicine, Los Angeles, CA 1990.
Max Luft visiting Professorship of the Mexican Orthopaedic Society, Acapulco, Mexico 1990
Alfred R. Shands Lectureship – The American Orthopaedic Association Annual Meeting – West Palm Beach, FL 1991
Park Gloyd Professorship in Pediatric Orthopaedics – University of Washington, Seattle, WA 1991
Walter Blount Memorial Lecture, Lake Geneva, WI, 1991
Hiram Kite Lecture Series, Atlanta, GA, 1992
Shriners Oleika Lectures, Shriners Hospital, Lexington, KY, 1992
Louis-Colton Pediatric Symposium, Children's Rehabilitative Services, Phoenix, AZ, 1992
Gordon Batman Lecture Series, Indianapolis, IN 1992
4th Annual Harold A. Sofield Lectureship, Shriners Hospital for Crippled Children, Chicago, IL, 1992
Shell Seminar Speaker at the 41st Annual Nat'l Science Teachers Association, Kansas City, MO, 1993
33rd Annual Dillehunt Memorial Lecture, Shriners Hospital for Crippled Children, Portland, OR, 1993
Frank H. Stelling, III, Visiting Professor, Shriners Hospital for Crippled Children, Greenville, SC, 1993
James A. Dickson, MD, Visiting Professor, The Cleveland Clinic Foundation, Cleveland, OH, 1993
Guest Lecturer: 7th St. Justine Pediatric Orthopaedic Review Course/The Montreal Children's and Shriners Hospital, Montreal, Canada, 1994
Guest Lecturer, 20th Annual Oleika Lectureship, Lexington, KY, 1994
Guest Lecturer, 21st Annual Oleika Lectureship, Lexington, KY, 1995
Guest Lecturer, 22nd Annual Oleika Lectureship, Lexington, KY, 1996
Robert Salter Visiting Professorship, Toronto, Canada, 1996
8th Silverman Lecture, Radiology Alumni, Children's Hospital Medical Center, Cincinnati, OH, 1996
Robert M. Heavinrich, MD, Endowed Lecture in Pediatrics, Michigan State University, East Lansing, MI & St. Luke's Hospital, Saginaw, MI, 1997
Frank H. Stelling, Pediatric Orthopaedic Conference, Medical College of Georgia, Augusta, GA, 1997
Oscar Miller Day, Charlotte, NC, 1997
The Seventh Annual G. Wilbur Westin Lectureship, Guest Lecturer, Shriners Hospital for Children, Los Angeles, CA, 1998
34th Annual Joseph S. Barr, MD, Visiting Consultant, 1998
Philadelphia Orthopaedic Society Meeting, Howard H. Steel Pediatric Lecturer, Philadelphia, PA, 1998
Oleika Lecturer Shriners Hospital, Lexington, KY, 2000
Louis Levey Lectureship/Resident Graduation, Ft. Worth, TX, 2000
Carroll B. Larson Shrine Memorial Lectureship, Iowa City, Iowa, Guest Lecturer, 2001
Murray S. Danforth Oration-Guest Speaker, Rhode Island Hospital, Providence, RI, Brown University
Sherman Coleman Visiting Professorship, Salt Lake City, Utah, 2001

Caldwell Guest Lecturer, New Orleans, LA, 2001
Risser Memorial Lecturer, Orthopaedic Hospital, Los Angeles, CA, 2003
Brock Lecture Program, Shriners Hospital for Children, Erie, PA, 2003
Augustus A. White Spine Symposium, Boston, MA, 2004
Mimi Barnhart Guest Visiting Professor, Baylor College of Medicine/Texas Children's Hospital, Houston, TX 2005
Sutherland Guest Visiting Professor, Children's Hospital San Diego, CA, 2005
Cole Memorial Pediatric Orthopaedic Seminar, Gillete Children's, St. Paul, MN, 2005
Lauren B. Flawn, MD, Lectureship, University of Texas Health and Science Center, San Antonio, TX, 2006
David Levine Lecture in Scoliosis Surgery, Hospital for Special Surgery, New York, NY, 2006
2008 Shriners Hospital Ivar Larsen Memorial Speaker, 2008.