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Education

September 1989 – December 1993 University of Michigan College of Engineering, Ann Arbor, Michigan, BSE Materials Science and Engineering, Summa Cum Laude

August 1994 – June 1998 University of Michigan Medical School, Ann Arbor, Michigan; MD, Alpha Omega Alpha

Postdoctoral Training

July 1998 – June 1999 Surgical Internship, Department of Surgery, University of Michigan Medical Center, Ann Arbor, Michigan

July 1999 – June 2003 Orthopaedic Surgery Residency, Department of Orthopaedic Surgery, University of Michigan Medical Center, Ann Arbor, Michigan

July 2002 – June 2003 Administrative Chief Resident, Department of Orthopaedic Surgery, University of Michigan Medical Center, Ann Arbor, Michigan

August 2003 – July 2004 Pediatric Orthopaedic Surgery Fellowship, Department of Orthopaedic Surgery, Children's Hospital of Philadelphia, Philadelphia, Pennsylvania

Certification and Licensure

1999 United States Medical Licensing Examination
Passed Part I 1996, Part II 1997, Part III 1999

July 2003 American Board of Orthopaedic Surgery
Passed Part I 2003, Part II 2006

3/11/2004 State of Michigan Board of Medicine Physician License – Medical Doctor exp 01/31/11

2003 Commonwealth of Pennsylvania, Medical Physician and Surgeon License exp 12/31/04

Academic, Administrative, and Clinical Appointments

August 2004 – July 2007 Lecturer, University of Michigan Hospitals, Department of Orthopaedic Surgery, Section of Pediatric Orthopaedics

July 2005 – present Orthopaedic Surgeon, Department of Veterans Affairs Medical Center, Ann Arbor, Michigan

May 2005 – July 2007 Assistant Residency Director, University of Michigan Department of Orthopaedic Surgery.

July 2007 – present Assistant Professor of Orthopaedic Surgery, University of Michigan Medical School, Section of Pediatric Orthopaedics

Research Interests

1. Treatment of Osteogenesis Imperfecta – I have research ongoing in the Orthopaedic Research Laboratory to mechanically and histologically characterize the fracture healing in osteogenesis imperfecta in a mouse model.
2. Treatment of Pediatric Orthopaedic Trauma – I serve on the Pediatric Trauma Review Committee and the Child Abuse Review Committee at University of Michigan. I have published studies on pediatric femur fractures and on placement of halo vests in young children. I have research ongoing in the area of adolescent elbow fractures.
3. Treatment of Pediatric Spinal Disorders – I have published studies on sacral agenesis, cervical spine birth injury, halo vest treatment of toddlers, and idiopathic scoliosis. Current projects include studies of spinal deformity in children with cerebral palsy and patients with congenital scoliosis.

Grant Support

Extramural Grant Support

St. Giles Young Investigator Award to Frances A Farley, MD. Farley FA, Caird MS, Hall JM. Orthopaedic Functional Outcome of Sacral Agenesis Patients. 5/1/2001 for \$5000.

Orthopaedic Research and Education Foundation - Journal of Bone and Joint Surgery Resident Journal Club Grant to University of Michigan, Chief Resident Michelle S Caird, MD. 2002 for \$2500.

Pediatric Orthopaedic Society of North America/Orthopaedic Research and Education Foundation Research Grant Award to Kenneth M. Kozloff, Michelle S. Caird Co-PI. Treatment of Disuse Osteopenia with Bisphosphonates in Growing Bone – Differential Deposition and Healing in Cortical and Cancellous Bone. July 1, 2008 for \$74,484.

Intramural Grant Support

University of Michigan Department of Orthopaedic Surgery Grant. Caird MS, Goldstein SA. “Bisphosphonate treatment and fracture healing in Brittle IV mouse model for osteogenesis imperfecta.” One year funding 4/15/05 – 3/31/06 for \$24,154. Renewed for a second year.

Honors and Awards

Regents-Alumni Scholarship, University of Michigan, Ann Arbor, Michigan, September 1989

Groesbeck Freshman Engineering Scholarship, University of Michigan, Ann Arbor, Michigan, September 1989

Robert C. Byrd Merit Scholarship, State of Michigan Department of Education, September 1989

Departmental Merit Scholarship, Department of Materials Science and Engineering, University of Michigan College of Engineering, Ann Arbor, Michigan, September 1991

Dean's List, University of Michigan College of Engineering, Ann Arbor, Michigan, September 1989 - December 1993

Tau Beta Pi (engineering honor society), University of Michigan College of Engineering, Ann Arbor, Michigan, Fall 1991

Alpha Sigma Mu (materials science and engineering honor society), University of Michigan College of Engineering, Ann Arbor, Michigan, Fall 1992

Phi Beta Kappa, University of Michigan, Ann Arbor, Michigan, Winter 1993

Alpha Omega Alpha, University of Michigan Medical School, Ann Arbor, Michigan, Fall 1997

Janet M. Glasgow Memorial Scholastic Achievement Citation AMWA, University of Michigan Medical School, Ann Arbor, Michigan, Spring 1998

Galen's Medical Society Bronze Beeper Award for Resident Teaching, University of Michigan Medical School, Ann Arbor, Michigan, Spring 2002

Administrative Chief Resident, Department of Orthopaedic Surgery, University of Michigan Medical Center, Ann Arbor, Michigan, July 2002- June 2003

Leonard Marmor Surgical Arthritis Foundation Award For Outstanding Performance as a Resident in Orthopaedic Surgery, University of Michigan Department of Orthopaedic Surgery, Ann Arbor, Michigan, June 2003

Hour Magazine: Top Doctors in Pediatric Orthopaedic Surgery, October 2007

Ruth Jackson Orthopaedic Society nominee to attend the 2009 ORS/OREF/AAOS Grant Writing Workshop, August 2008.

Winner Best Poster. Kozloff KM, Marini JC, Caird MS. Far-red fluorescent pamidronate: a new tool for assessing bisphosphonate deposition and retention in vivo. Poster presentation at the 10th International Conference on Osteogenesis Imperfecta, Ghent, Belgium, October 2008.

Membership in Professional Societies

1999 – 2004 Resident Member of American Academy of Orthopaedic Surgeons

2002 – present Member of Ruth Jackson Orthopaedic Society

2004 – 2007 Candidate Member of American Academy of Orthopaedic Surgeons

June 2005 – present Member of the Pediatric Orthopaedic Society of North America

June 2005 – present Associate Member Michigan Orthopaedic Society

2007 – present Candidate Member of the Scoliosis Research Society

October 2007 – present Active Fellow American Academy of Orthopaedic Surgeons

Peer-Review Service

Consultant Reviewer Journal of Pediatric Orthopaedics, April 2005 – present

Invited Reviewer Infection Control and Hospital Epidemiology, August 2008

Invited Reviewer Sports Health, September 2008

Consultant Reviewer Journal of Bone and Joint Surgery, March 2009 – present

Teaching Activities

Courses

The Shoulder Examination. Musculoskeletal Core Curriculum. Small group demonstration leader. University of Michigan Medical School. June 2003.

Gettysburg, Osteomyelitis, and Orthopaedic Surgery. Michelle Caird and Clifford Craig. Second year Medical Student Elective Course. University of Michigan Medical School. October 2005.

Biomedical Engineering 450 Design Project Mentor. University of Michigan College of Engineering. Pin Perfect Simulator Project. Eight senior engineering students chose to work on our project. This involved weekly meetings with the students and project testing. Winter semester 2006.

Gettysburg, Osteomyelitis, and Orthopaedic Surgery. Michelle Caird and Clifford Craig. Second year Medical Student Elective Course. University of Michigan Medical School. October 2006.

Gettysburg, Osteomyelitis, and Orthopaedic Surgery. Michelle Caird and Clifford Craig. Second year Medical Student Elective Course. University of Michigan Medical School. October 2007.

Engineering 100 Design Project Consultant. University of Michigan College of Engineering. Consulted for a team of six freshman engineering students working to improve a device used in scoliosis surgery. This involved two meetings with the students. Fall semester 2007.

Gettysburg, Osteomyelitis, and Orthopaedic Surgery. Michelle Caird and Clifford Craig. Second year Medical Student Elective Course. University of Michigan Medical School. October 2008.

Dissertation Committee

2007 – present Doctoral thesis committee member for Jeffrey Meganck, MS graduate student University of Michigan College of Engineering Department of Biomedical Engineering. Qualifying examination March 27, 2008.

Mentoring

Orthopaedic Surgery Student Interest Group. University of Michigan Medical School. September 2004.

Orthopaedic Surgery Medical Student Advisor. Third year medical student Ramesh Sirinvasan. University of Michigan Medical School. October 2004 – March 2006.

Orthopaedic Surgery Medical Student Advisor. First year medical student Steven Giuseffi. University of Michigan Medical School. November 2004 – 2005.

University of Michigan Medical School Career Seminar Series – Orthopaedic Surgery Speaker. December 1, 2004.

Student Biomedical Research Program Advisor for second year medical student Amy Sewick. University of Michigan Medical School. April – November 2005.

Student Biomedical Research Program Advisor for second year medical student Milton Little. University of Michigan Medical School. April – November 2005.

University of Michigan Medical School Career Seminar Series – Orthopaedic Surgery Speaker. November 2005.

Student Biomedical Research Program Advisor for second year medical student Ariel Palanca. University of Michigan Medical School. April – November 2006.

Student Biomedical Research Program Advisor for second year medical student Stephen Broski. University of Michigan Medical School. April – November 2006.

Orthopaedic Surgery Medical Student Advisor. Third year medical student Nicole Behnke. University of Michigan Medical School. January – September 2006.

Orthopaedic Surgery Student Interest Group. University of Michigan Medical School. September 2006.

Student Biomedical Research Program Advisor for second year medical student YiJia Chu. University of Michigan Medical School. April 2007 – present.

University of Michigan Medical School Career Seminar Series – Orthopaedic Surgery Speaker. October 31, 2007.

American Medical Women's Association Mentor for medical students – October 2007 – present.

University of Michigan Medical School Career Seminar Series – Orthopaedic Surgery Speaker. October 23, 2008.

University of Michigan Society of Premedical Engineers – Orthopaedic Surgery Speaker. February 3, 2009

Lectures

Spinal bracing. Resident conference. University of Michigan Department of Orthopaedic Surgery. June 2001.

Ankle and Subtalar Dislocations. Grand Rounds. University of Michigan Department of Orthopaedic Surgery. July 2001.

Pediatric Orthopaedics Weekly Indications Conference. The Children's Hospital of Philadelphia, Department of Orthopaedic Surgery August 2003- July 2004.

Introduction to Pediatric Orthopaedics, University of Pennsylvania Medical students, Orthopaedic Surgery Core Clinical Clerkship, University of Pennsylvania School of Medicine August 2003 – July 2004.

Pediatric Orthopaedics Journal Club The Children's Hospital of Philadelphia, University of Pennsylvania Medical Center Orthopaedic Residency with Dr. John M Flynn August 2003 – July 2004.

The Limping Child. Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. September 2004.

Septic Arthritis in Children. Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. September 2004.

Review of Pediatric Orthopaedics. Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. October 2004.

Scoliosis in Children and Adolescents. Neurosurgery Resident Conference. University of Michigan Department of Neurosurgery. May 2005.

Pediatric Femur Fractures. Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. May 2005.

Pediatric Ankle Fractures. Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. June 2005.

Pediatric Fractures Parts I and II, Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. July 2005.

The Limping Child. Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. September 2005.

Down Syndrome for Orthopaedic Surgeons. Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. September 2005.

Review of Pediatric Orthopaedics. Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. October 2005.

Scoliosis in Children and Adolescents. Pediatrics Resident Conference. University of Michigan Department of Pediatrics and Communicable Diseases. October 2005.

Introduction to Pediatric Orthopaedic Surgery. Orthopaedic Intern Curriculum. University of Michigan Department of Orthopaedic Surgery. January 2006.

Anatomy and Surgical Approaches to the Leg, Foot, and Ankle. Orthopaedic Surgical Anatomy. Medical Student 4th Year Elective – Science in Clinics. University of Michigan Medical School. February 22, 2006

Idiopathic Scoliosis. Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. March 2006.

Anatomy and Surgical Approaches to the Upper Extremity. Surgical Anatomy. Medical Student 4th Year Elective – Science in Clinics. University of Michigan Medical School. April 19, 2006

Pediatric Orthopaedic Trauma. Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. July 2006.

Pediatric Femur Fractures. Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. August 2006.

Septic Arthritis in Children. Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. August 2006.

Pediatric Ankle Fractures. Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. September 2006.

Review of Pediatric Orthopaedics. Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. November 2006.

Introduction to Pediatric Orthopaedic Surgery. Orthopaedic Internship Education Curriculum. University of Michigan Department of Orthopaedic Surgery. June 2007.

Pediatric Orthopaedic Trauma. Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. July 2007.

Septic Arthritis in Children. Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. August 2007.

Orthopaedic Aspects of Child Abuse. Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. August 2007.

Pediatric Ankle Fractures. Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. October 2007.

Pediatric Femur Fractures. Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. October 2007.

Review of Pediatric Orthopaedics. Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. October 2007.

Idiopathic Scoliosis. Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. February 2008.

Scoliosis in Children and Adolescents. Pediatrics Resident Conference. University of Michigan Department of Pediatrics and Communicable Diseases. February 2008.

Down Syndrome for Orthopaedic Surgeons. Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. May 2008.

Introduction to Pediatric Orthopaedic Surgery. Orthopaedic Internship Education Curriculum. University of Michigan Department of Orthopaedic Surgery. June 2008.

Septic Arthritis in Children. Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. July 2008.

Pediatric Femur Fractures. Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. August 2008.

Orthopaedic Aspects of Child Abuse. Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. August 2008.

Pediatric Ankle Fractures. Pediatric Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. October 2008.

Review of Pediatric Orthopaedics. Orthopaedic Resident Conference. University of Michigan Department of Orthopaedic Surgery. November 2008.

Genetics of Pediatric Orthopaedics. Down Syndrome and Skeletal Dysplasias. University of Michigan Department of Orthopaedic Surgery. December 2008.

Radiology of the Pediatric Foot with Clinical Correlates. Pediatric Radiology Fellows' Conference University of Michigan Department of Radiology. March 2009.

Clinical Rotation Instruction

Instructor for Pediatric Emergency Medicine Fellows. Pediatric Orthopaedic Clinics at University of Michigan, Department of Orthopaedic Surgery. August 2005.

Instructor for Pediatric Residents. Pediatric Orthopaedic Clinics at University of Michigan, Department of Orthopaedic Surgery. 2005-present.

Clinical Foundations of Medicine. Faculty for M1 Clinic Visit. University of Michigan Medical School. September 2005.

Orthopaedic Surgery Elective Rotation Faculty Advisor. University of Michigan Department of Orthopaedic Surgery. January 2006.

Instructor for Pediatric Emergency Medicine Fellow. Pediatric Orthopaedic Clinics at University of Michigan, Department of Orthopaedic Surgery. August 2006.

Instructor for Medicine-Pediatric Residents. Pediatric Orthopaedic Clinics at University of Michigan, Department of Orthopaedic Surgery. 2006-present.

Clinical Foundations of Medicine. Faculty for M1 Clinic Visit. University of Michigan Medical School. October 2006.

Clinical Foundations of Medicine. Faculty for M1 Clinic Visit. University of Michigan Medical School. October 2007.

Clinical Foundations of Medicine. Faculty for M1 Clinic Visit. University of Michigan Medical School. September 2008.

Committee, Organizational, and Volunteer Service

Institutional Committee Service

November 2004 – present. C.S. Mott Children’s and Women’s Hospital Project, Medical Education (Surgery) User Group Member. Ann Arbor, MI.

November 2004 – present. Orthopaedic Surgery Resident Education Committee Member, University of Michigan Department of Orthopaedic Surgery

January 2005 – present. Child Abuse Review Committee. C.S. Mott Children’s Hospital University of Michigan. Ann Arbor, MI.

April 2005 – present. C.S. Mott Children’s and Women’s Hospital Project, Medical/Surgical inpatient Group Lead. Ann Arbor, MI.

December 2005. C.S. Mott Children’s Hospital Operating Room Committee Meeting. Presentation on Wait Room and Scheduling Issues.

January 2006 - 2008. Pediatric Orthopaedic Surgery Trauma Liaison. C. S. Mott Children’s Hospital.

November 2006. C.S. Mott Children’s Hospital Operating Room Wait Room Task Force.

February 2008. Digital Hospital Initiative C. S. Mott Children’s Hospital.

September 2008 - present. University of Michigan Medical Center Alumni Society Board Member. Ann Arbor, MI.

April 2009-present. Department of Orthopaedic Surgery Service Excellence Committee member. Ann Arbor, MI

Regional Committee Service

October 2004. Hosted the Autumn Meeting of the Southeast Michigan Pediatric Orthopaedic Club. Ann Arbor, MI.

National Committee Service

April 2006 - 2007. Ruth Jackson Orthopaedic Society Nominating Committee.

November 2006. Abstract reviewer for annual meeting of the Pediatric Orthopaedic Society of North America.

July 2007 – present. Pediatric Orthopaedic Society of North America Internet Committee.

July 2007. American Board of Orthopaedic Surgery. Standards setting for Written Examination Committee.

November 2007. Orthopaedic Research and Education Foundation - Zimmer Career Development Award Selection Committee.

November 2007. Abstract reviewer for annual meeting of the Pediatric Orthopaedic Society of North America.

Volunteer Service

October 2004. Humanitarian Service. Casa de Colombia Pediatric Orthopaedic Surgeon volunteer in Cali, Columbia, South America.

October 2005. Humanitarian Service. Casa de Colombia Pediatric Orthopaedic Surgeon volunteer in Cali, Columbia, South America.

March 2008. Focus group participant. Center for the Education of Women. Ann Arbor, Michigan.

Extramural Presentations

Extramural Presentations at Meetings

1. **Caird MS**, Mueller KA, Puryear A, Farley FA: Compression plating in pediatric femoral shaft fractures. Podium presentation by Frances A. Farley at the Michigan Orthopaedic Society Annual Meeting, Mackinac Island, MI. June 2002.

2. **Caird MS**, Flynn JM, Yeong LL, et al. Prospective study of factors to distinguish septic arthritis from transient synovitis of the hip in children. E-poster presentation at Pediatric Orthopaedic Surgery North America Annual Meeting, St. Louis, MO. April 2004.
3. **Caird MS**, Farley FA, Hall JM. Functional Outcomes in Sacral Agenesis. Podium presentation by Frances A Farley at Michigan Orthopaedic Society Annual Meeting, Mackinac Island, MI. June 2004.
4. **Caird MS**, Farley FA, Hall JM. Functional Outcomes in Sacral Agenesis. Poster presentation at the Scoliosis Research Society Annual Meeting, Buenos Aires, Argentina. September 2004.
5. **Caird MS**, Flynn JM, Leung YPL, Millman JE, d'Italia J, Dormans JP. Prospective Study to Distinguish Septic Arthritis from Transient Synovitis of the Hip in Children. Podium presentation by Michelle S. Caird at the American Academy of Orthopaedic Surgeons 72nd Annual Meeting, Washington, DC. February 2005.
6. Martus JE, **Caird MS**, Kuhns LR, Craig CL, Farley FA, Femino JE. Facies Externa Accessoria Corporis Tali as an Etiology of Idiopathic Peroneal Spastic Flatfoot. Podium presentation by Jeffrey E Martus at the Mid-America Orthopaedic Association Meeting, Amelia Island, FL. April 2005.
7. Martus JE, **Caird MS**, Kuhns LR, Craig CL, Farley FA, Femino JE. Accessory anterolateral talar facet as an Etiology of Idiopathic Rigid Flatfoot. E-poster presentation at Pediatric Orthopaedic Surgery North America Annual Meeting, Ottawa, ON, Canada. May 2005.
8. **Caird MS**, Hensinger RN, Weiss N, Farley FA. Complications and Precautions in Halo Application in Toddlers. Poster presentation at Michigan Orthopaedic Society Annual Meeting, Traverse City, MI. June 2005.
9. Ecker M, Wills B, Auerbach J, Xiaowei Z, **Caird M**, Horn B, Flynn J, Drummond D, Dormans J. A Statistical Comparison of Cobb Angle Measurement in Traditionally versus Digitally Acquired Scoliosis Radiographs. Podium presentation by Malcolm Ecker at the 12th IMAST, Banff, Alberta, Canada. July 2005.
10. **Caird MS**, Hensinger RN, Weiss N, Farley FA. Complications and Precautions in Halo Application in Toddlers. Poster presentation at Scoliosis Research Society Annual Meeting, Miami, FL. October 2005.

11. Ecker M, Wills B, Auerbach J, Xiaowei Z, **Caird M**, Horn B, Flynn J, Drummond D, Dormans J. A Statistical Comparison of Cobb Angle Measurement in Traditionally versus Digitally Acquired Scoliosis Radiographs. E-poster presentation at Scoliosis Research Society Annual Meeting, Miami, FL. October 2005.
12. Little M, **Caird M**, Kuhns L, Dipietro M, Koujok K, Craig C. Ultrasound evaluation of Foot Abduction Orthosis used in the treatment of clubfoot by the Ponseti method. Poster presentation at 51st annual Student Biomedical Research Fall Forum University of Michigan Medical School, Ann Arbor, MI. November 3, 2005.
13. Sewick A, Meganck J, **Caird MS**, Goldstein S, Marini J. Growth hormone treatment in Brittle IV mouse model for osteogenesis imperfecta. Poster presentation at 51st annual Student Biomedical Research Fall Forum University of Michigan Medical School, Ann Arbor, MI. November 3, 2005.
14. **Caird MS**, Little M, Kuhns L, DiPietro M, Koujok K, Craig CL. Ultrasound evaluation of Foot Abduction Orthosis used in the treatment of clubfoot by the Ponseti method. E-poster presentation at Pediatric Orthopaedic Surgery North America Annual Meeting, San Diego, CA. May 2006.
15. Farley FA, Patel P, Craig CL, Blakemore LC, Hensinger RN, Zhang L, **Caird MS**. Pediatric Supracondylar Fractures: Who should treat them and when should they be treated? Podium presentation by F Farley at Trauma Session of the Pediatric Orthopaedic Surgery North America Annual Meeting, San Diego, CA. May 2006.
16. DiPietro MA, Little M, Kuhns LR, Koujoc K, **Caird MS**, Craig CL, Robertson B. Dynamic Sonography of the Infant Clubfoot: correlation of foot abduction with sonographic measurements. Podium presentation by M DiPietro at 11th Congress of World Federation for Ultrasound in Medicine and Biology, Seoul, Korea, May 2006.
17. Farley FA, Patel P, Craig CL, Blakemore LC, Hensinger RN, Zhang L, **Caird MS**. Pediatric Supracondylar Fractures: Who should treat them and when should they be treated? Podium presentation by F Farley at Michigan Orthopaedic Society Annual Meeting, Mackinac Island, MI. June 2006.
18. Farley FA, Gauger V, Terry L, Hensinger RN, Blakemore LC, **Caird MS**, Tait A, Merkel S. Prospective randomized study of hydromorphone PCA and hydromorphone plus bupivacaine patient controlled epidural analgesia (PCEA) following posterior spinal fusion in AIS. E-poster presentation at Scoliosis Research Society 41st Annual Meeting, Monterey, CA. September 2006.

19. Tolbert S, **Caird M**, Kuhns L, Dipietro M, Koujok K, Craig C. Ultrasound validation of an alternative orthosis for use in the Ponseti casting treatment of clubfeet. Poster presentation at 52nd annual Student Biomedical Research Fall Forum University of Michigan Medical School, Ann Arbor, MI. November 2, 2006.
20. Palanca A, **Caird M**. Complications of spinal fusions of patients with CIBI pumps. Poster presentation at 52nd annual Student Biomedical Research Fall Forum University of Michigan Medical School, Ann Arbor, MI. November 2, 2006.
21. Broski S, Meganck J, **Caird MS**, Goldstein S. Optimization of a microCT System for the Evaluation of Bone Morphology in the Mouse Femur. Poster presentation at 52nd annual Student Biomedical Research Fall Forum University of Michigan Medical School, Ann Arbor, MI. November 2, 2006.
22. Bedi A, **Caird MS**, Farley FA, Jebson PJJ. Operative Treatment of Unstable Adolescent Distal Radius Fractures: A Case Series. Poster presentation at 74th Annual Meeting American Association of Hand Surgery, Puerto Rico, January 2007.
23. **Caird MS**, Palanca A, Garton H, Hensinger RN, Ayyangar R, Drongowski A, Farley FA. Case Control Study of Outcomes of Spinal Fusion in Patients with Continuous Intrathecal Baclofen Infusion Pumps. Podium Presentation by Michelle S. Caird at Pediatric Orthopaedic Society of North America Annual Meeting, Hollywood, FL, May 2007.
24. **Caird MS**, Palanca A, Garton H, Hensinger RN, Ayyangar R, Drongowski A, Farley FA. Case Control Study of Outcomes of Spinal Fusion in Patients with Continuous Intrathecal Baclofen Infusion Pumps. Podium Presentation by Michelle S. Caird at the Scoliosis Research Society Annual Meeting, Edinburgh, Scotland, September 2007.
25. Chu YJ, **Caird MS**, Hensinger RN, Craig CL, Vanderhave KL, Farley FA. Medial Epicondyle Fractures of the distal humerus: Functional Outcomes and Return to Sports. Poster presentation at 53rd annual Student Biomedical Research Fall Forum University of Michigan Medical School, Ann Arbor, MI. November 1, 2007.
26. **Caird MS**, Chu Y, Hensinger RN, Craig CL, VanderHave KL, Farley FA. Medial Epcondyle Fractures of the Distal Humerus: Functional Outcomes Assessment and Return to Sports. Poster Presentation at Pediatric Orthopaedic Society of North America Annual Meeting, Albuquerque, NM, May 2008.

27. **Caird MS**, Chu Y, Hensinger RN, Craig CL, VanderHave KL, Farley FA. Treatment of Proximal Humerus Fractures in Older Children and Adolescents. e-Poster Presentation at Pediatric Orthopaedic Society of North America Annual Meeting, Albuquerque, NM, May 2008.
28. **Caird MS**, Meganck J, Goldstein SA. Bisphosphonate Effects on Fracture Healing in a Growing Mouse Model of Osteogenesis Imperfecta. e-Poster Presentation at Pediatric Orthopaedic Society of North America Annual Meeting, Albuquerque, NM, May 2008.
29. Vanderhave KL, Lesniak B, **Caird MS**, Farley FA, Hensinger RN, Craig CL. Stabilization of adolescent both bone forearm fractures: a comparison of intramedullary nailing vs. open reduction and plate fixation. Podium presentation by K Vanderhave at Trauma Session at Pediatric Orthopaedic Society of North America Annual Meeting, Albuquerque, NM, May 2008.
30. Vanderhave KL, **Caird MS**, Gross S, Farley FA, Stauff M, Segal LS. Burst fractures of the spine in children and adolescents. Podium Presentation by K Vanderhave at Pediatric Orthopaedic Society of North America Annual Meeting, Albuquerque, NM, May 2008.
31. Vanderhave KL, **Caird MS**, Farley FA, Stauff M, Segal LS. Burst fractures of the spine in children and adolescents. Poster Presentation at Scoliosis Research Society Annual Meeting, Salt Lake City, UT, September 2008.
32. Farley FA, Alvarado C, Hensinger RN, Graziano GP, VanderHave KL, Zheng L, **Caird MS**. Instrumented spinal fusion and uninstrumented spinal fusion for children with congenital scoliosis. Podium presentation by F Farley at Michigan Orthopaedic Society Annual Meeting, Mackinac Island, MI, June 2008.
33. **Caird MS**, Meganck JA, Begun DL, Swick A, Marini JC, Goldstein SA. Alendronate effects on fracture healing in growing BRTL mouse model of Osteogenesis Imperfecta. Podium presentation by M Caird at the 10th International Conference on Osteogenesis Imperfecta, Ghent, Belgium, October 2008.
34. Kozloff KM, Marini JC, **Caird MS**. Far-red fluorescent pamidronate: a new tool for assessing bisphosphonate deposition and retention in vivo. Poster presentation at the 10th International Conference on Osteogenesis Imperfecta, Ghent, Belgium, October 2008. Winner Best Poster.
35. Meganck J, **Caird M**, Begun D, Swick A, Marini J, Goldstein S. Fracture Healing with Alendronate Treatment in the Brtl Model of Osteogenesis Imperfecta. Poster presentation at the 55th Annual Meeting of the Orthopaedic Research Society, Las Vegas, Nevada, February 2009.

36. Kozloff K, Foo J, Khan S, Sinder B, Kreider J, **Caird M**. Hindlimb Suspension in Young Mice as a Model for Pediatric Disuse Osteopenia. Poster presentation at the 55th Annual Meeting of the Orthopaedic Research Society, Las Vegas, Nevada, February 2009.
37. Kozloff K, Volakis L, Marini J, **Caird M**. Validation of Fluorescent Pamidronate as Biomarker for Bisphosphonate Deposition and Retention in Vivo. Poster presentation at the 55th Annual Meeting of the Orthopaedic Research Society, Las Vegas, Nevada, February 2009.
38. **Caird MS**. Management of Hip Problems in Down Syndrome. Podium Presentation at the 5th Annual International Pediatric Orthopaedic Symposium presented by the Pediatric Orthopaedic Society of North America and the American Academy of Orthopaedic Surgeons. Orlando, FL December 6, 2008.
39. **Caird MS**, Kozloff KM, Foo J, Khan SN, Sinder BP, Kreider J. Hindlimb Suspension in Young Mice as Model for Pediatric Disuse Osteopenia. Accepted for podium presentation by M Caird at Pediatric Orthopaedic Society of North America Annual Meeting, Boston, Mass, May 2009.
40. VanderHave KL, **Caird MS**, Farley FA, Perdue A. Operative versus NonOperative Treatment of Midshaft Clavicle Fractures in Adolescents. Accepted for podium presentation by K Vanderhave at Pediatric Orthopaedic Society of North America Annual Meeting, Boston, Mass, May 2009.

Invited Local and Regional Lectureships

1. Compression plating in pediatric femoral shaft fractures. Fischer Pediatric Day. University of Michigan Department of Orthopaedic Surgery. May 2002.
2. Functional outcomes in patients with sacral agenesis. Fischer Pediatric Day. University of Michigan Department of Orthopaedic Surgery. May 2003.
3. Pediatric Meniscal Injuries. The Children's Hospital of Philadelphia Department of Radiology Orthopaedics Conference, 12/17/03.
4. Treatment at Multiple Institutions: Implications for Patients with Malignant Bone Tumors. The Children's Hospital of Philadelphia Tumor Board, 1/29/04.
5. MRI Findings in Pediatric Orthopaedics. The Children's Hospital of Philadelphia Department of Radiology Orthopaedics Conference, 2/18/04.
6. Pediatric Orthopaedics Interesting Cases. Thomas Jefferson University Hospital Orthopedic-Radiology-Pathology (ORP) Conference, 3/17/04.

7. Pediatric Knee Injuries with visiting professor Dr. Baxter Willis, Resident Teaching Conference, University of Pennsylvania Medical Center Orthopaedic Residency, 3/25/04.
8. Pediatric ACL Injury and Tibial Spine Fractures. The Children's Hospital of Philadelphia Department of Radiology Orthopaedics Conference, 4/21/04.
9. Pelvic Osteotomies. The Children's Hospital of Philadelphia Perioperative Staff In-service, 5/6/04.
10. Soft Tissue Sarcomas. The Children's Hospital of Philadelphia Tumor Board, 5/13/04.
11. Pediatric Orthopaedic Trauma. Trauma Care: 2005, St. Joseph Mercy Hospital, Ann Arbor, MI 2/5/05.
12. Halo Application in Toddlers – Problems and Precautions. Fischer Pediatric Day. University of Michigan Department of Orthopaedic Surgery. May 2005.
13. Distinguishing Septic Arthritis from Transient Synovitis of the Hip in Children. University of Michigan 44th Annual Carl E. Badgley Lectureship. 10/07/05.
14. Pediatric Orthopaedic Trauma. Pediatric Surgery Grand Rounds. University of Michigan Department of Surgery. January 2006.
15. Pediatric Orthopaedic Trauma. Orthopaedic Surgery Resident Lecture. Medical University of Ohio Department of Orthopaedic Surgery. 03/23/06.
16. Surgical Simulation in Pediatric Orthopaedic Training: Pin Perfect and Beyond. Fischer Pediatric Day. University of Michigan Department of Orthopaedic Surgery. May 2006.
17. Ultrasound Evaluation in the Treatment of Clubfoot by the Ponseti Method. Fischer Pediatric Day. University of Michigan Department of Orthopaedic Surgery. May 2006.
18. Scoliosis Update: Observation, Orthotics, or Operation. University of Michigan/St. Joseph Mercy Hospital Department of Pediatrics Education Meeting. 05/26/06.
19. Pediatric Orthopaedic Trauma. Pediatric Emergency Medicine Fellow Teaching Conference. University of Michigan Department Emergency Medicine. July 5, 2006.
20. Update on Musculoskeletal Infection in Children. Grand Rounds. Grand Rapids Orthopaedic Surgery Residency Program. November 15, 2006.

21. Simulation in Orthopaedic Education. Grand Rounds. Grand Rapids Orthopaedic Surgery Residency Program. November 15, 2006.
22. Pediatric Orthopaedic Trauma. Pediatric Surgery Grand Rounds. University of Michigan Department of Surgery. January 2008.
23. Treatment of Proximal Humerus Fractures in Older Children and Adolescents. University of Michigan 47th Annual Carl E. Badgley Lectureship. September 26, 2008.
24. Scoliosis in Children and Adolescents. Physical Medicine and Rehabilitation Resident Conference. University of Michigan Department of Physical Medicine and Rehabilitation. November 2008.
25. Upper cervical spine disorders in children. Orthopaedic Surgery Educational Day. Michigan State University College of Osteopathic Medicine. November 12, 2008.

Invited National and International Lectureships

1. Distinguishing Septic Arthritis from Transient Synovitis of the Hip in Children. Invited Lectureship Universidad del Valle. Department of Ortopaédica, Cali, Colombia. 10/21/05.
2. Invited Faculty Member at the 5th Annual International Pediatric Orthopaedic Symposium presented by the Pediatric Orthopaedic Society of North America and the American Academy of Orthopaedic Surgeons. Orlando, FL December 3-7, 2008.
3. Upper cervical spine disorders in children. Invited Grand Rounds Speaker University of Kentucky Department of Orthopaedic Surgery. January 7, 2009.
4. The Operative Management of Pediatric Upper Extremity Fractures. Instructional Course Lecture. American Academy of Orthopaedic Surgeons 76th Annual Meeting, Las Vegas, Nevada. February 2009.

Discussor and Presider at National and International Meetings

1. Presider at Lower Extremity/Hip/Neuromuscular session of the Pediatric Orthopaedic Society of North America Annual Meeting, San Diego, CA, May 2006.
2. Presider at Skeletal Dysplasias and Syndromes: Concepts and Controversies session of the International Pediatric Orthopaedic Symposium presented by the Pediatric Orthopaedic Society of North America and the American Academy of Orthopaedic Surgeons. Orlando, FL December 3-6, 2008.

BIBLIOGRAPHY

Peer-Reviewed Publications

1. Farley FA, **Caird MS**. Pancreatitis after posterior spinal fusion for adolescent idiopathic scoliosis. *Journal of Spinal Disorders* 2001;14:268-270.
2. **Caird MS**, Mueller KA, Puryear A, Farley FA. Compression plating of pediatric femoral shaft fractures. *Journal of Pediatric Orthopaedics* 2003;23:448-52.
3. Wills BPD, **Caird MS**, Dormans JP. Image Quiz - Elbow Pain and Swelling in a Three-Month-Old Infant After a Fall. *Electronic Journal of Bone and Joint Surgery* September 2004.
http://www.jbjs.org/Image_Quiz/2004/sep04/iqsep04_p1.shtml
4. **Caird MS**, Reddy S, Ganley TJ, Drummond DS. Cervical spine fracture-dislocation birth injury: Prevention, recognition, and implications for the orthopaedic surgeon. *Journal of Pediatric Orthopaedics* 2005;25:484-487.
5. **Caird MS**, Wills BPD, Dormans JP. Down Syndrome in children: The role of the orthopaedic surgeon. *Journal of the American Academy of Orthopaedic Surgeons* 2006;14: 610-619.
6. **Caird MS**, Flynn JM, Leung YL, Millman JE, D'Italia JG, Dormans JP. Factors distinguishing septic arthritis from transient synovitis of the hip in children. *Journal of Bone and Joint Surgery* 2006;88:1251-7.
7. **Caird MS**, Hensinger RN, Weiss N, Farley FA. Complications and problems in halo treatment of toddlers: limited ambulation is recommended. *Journal of Pediatric Orthopaedics* 2006;26:750-2.
8. Wills BPD, Auerbach JD, Zhu X, **Caird MS**, Horn BD, Flynn JM, Drummond DS, Dormans JP, Ecker ML. Comparison of Cobb angle measurement of scoliosis radiographs with preselected end vertebrae: Traditional versus digital acquisition. *Spine* 2007;32:98-105.
9. **Caird MS**, Hall JM, Bloom DA, Park JM, Farley FA. Outcome study of children, adolescents, and adults with Sacral Agenesis. *Journal of Pediatric Orthopaedics* 2007;27:682-685.
10. **Caird MS**, Palanca AA, Garton H, Hensinger RN, Ayyangar RN, Drongowski A, Farley FA. Case control study of outcomes of posterior spinal fusion and instrumentation in patients with continuous intrathecal baclofen infusion pumps. *Spine*. 2008;33:E94-9.

11. Vanderhave K, Hensinger RN, **Caird M**, Johnston C, Farley FA. Congenital Pseudarthrosis of the Tibia. *Journal of the American Academy of Orthopaedic Surgeons*. 2008;16:228-236.
12. Farley FA, Patel PN, Craig CL, Blakemore LC, Hensinger RN, Zhang L, **Caird MS**. Pediatric Supracondylar Humerus Fractures: Treatment by type of orthopaedic surgeon. *Journal of Children's Orthopaedics*. 2008;2:91-95.
13. Martus JE, Femino JE, **Caird MS**, Hughes RE, Browne RH, Farley FA. Accessory anterolateral facet of the pediatric talus: an anatomic study. *Journal of Bone & Joint Surgery*. 2008;90:2452-2459.
14. Martus JE, Femino JE, **Caird MS**, Kuhns LR, Craig CL, Farley FA. Accessory anterolateral talar facet as an etiology of painful talocalcaneal impingement in the rigid flatfoot: a new diagnosis. *Iowa Orthopaedic Journal* 2008;28:1-8.
15. **Caird MS**, Bowman KF. Upper Cervical Spine Disorders in Children. *Current Orthopaedic Practice*. 2008;19:634-639.
16. **Caird MS**, Hensinger RN, Vander Have KL, Gelbke MK, Farley FA. Isolated alar ligament disruption in children as a cause of persistent torticollis and neck pain after injury: a report of three cases. Accepted for publication, *Journal of Bone & Joint Surgery*. February 2009.
17. Gauger V, Kostrzewa AJ, **Caird MS**, Voepel-Lewis T, Vurke C, Wagner D, Farley FA. Patient-controlled epidural analgesia compared to intravenous patient-controlled analgesia following posterior spine fusion in children. Accepted for publication, *Journal of Pediatric Orthopaedics*. August 2008.

Manuscripts Submitted to Peer-Reviewed Publications

1. Shah AS, Lesniak BP, Wolter TD, **Caird MS**, Vander Have KL. Stabilization of adolescent both-bone forearm fractures: a comparison of intramedullary nailing versus open reduction and internal fixation. *Journal of Orthopaedic Trauma*; submitted October 13, 2008.
2. VanderHave KL, **Caird MS**, Gross S, Farley FA, Graziano GA, Stauff M, Segal LS. Burst Fractures of the Thoracic and Lumbar Spine in Children and Adolescents. Submitted to the *Journal of Pediatric Orthopaedics*. March 2009.

Chapters in Books

1. **Caird MS**. Rheumatoid Arthritis, Osteoarthritis, and Dupuytren's Contracture. In *Michigan Handbook of Plastic Surgery*. Philadelphia: Lippincott, 2004.
2. **Caird MS**. Tendon Injuries and Tendonitis. In *Michigan Handbook of Plastic Surgery*. Philadelphia: Lippincott, 2004.
3. Davidson RS and **Caird MS**, Musculoskeletal Trauma. In Grosfeld, *Pediatric Surgery*, 6th edition, Philadelphia, Mosby, 2006.
4. Davidson RS and **Caird MS**, Percutaneous in situ Cannulated Screw Fixation of the Slipped Capital Femoral Epiphysis. In *Operative Techniques in Orthopaedic Surgery*. Philadelphia: Lippincott, in Press.

Other Media

1. **Caird MS**, Craig CL, Malleson P. Pedialink Musculoskeletal Medicine Online Learning Module – The Limping Child: Infection. American Academy of Pediatrics. Original contribution. Under construction.