

Curriculum Vitae Brian A. Shaw, M.D.

Updated Jan 2013

1. BIOGRAPHICAL SKETCH

Associate Professor, Pediatric Orthopaedic Surgeon,

University of Colorado School of Medicine, Children's Hospital Colorado, Denver and Colorado Springs, November 2010 – current

Pediatric Surgery Section Chief

Memorial Health System, Colorado Springs, 2013-2015 and renewed 1/1/16-current

Medical Director, Pediatric Orthopaedic Surgery

Memorial Hospital/CHCO Colorado Springs, 2011-current

Executive Committee, Publications Chair, AAP Section on Orthopaedics, 2011-2017

Registered AAOS-Disaster Responder, Vail, Dec 2013

Editorial Review Board, Journal of the American Academy of Orthopaedic Surgeons, 2001-2010

Reviewer, JAAOS 2011-current

Reviewer, CORR 2010-current

2. EDUCATION

Wesleyan University, Middletown, CT	1978	B.A.	Major: Biology
University of Virginia, Charlottesville, VA	1982	M.D.	Medical Degree

1982-1983	General Surgery Internship	Massachusetts General Hospital, Boston, MA
1983-1984	General Surgery Residency	Massachusetts General Hospital, Boston, MA
1984-1987	Orthopedic Surgery Residency	Harvard Combined Program in Orthopaedic Surgery Boston, MA
1986-1986	Orthopaedic Surgery Fellowship	University of Auckland, Auckland, New Zealand
1988-1988	Trauma Attending & Fellow	Massachusetts General Hospital, Boston, MA
1988-1989	Pediatric Orthopaedic Surgery Fellowship	Children's Hospital Medical Center, Boston, MA

3. ACADEMIC APPOINTMENTS

- 1988-1988 **Assistant in Orthopedic Surgery and Chief**, West Orthopaedic Service, Massachusetts General Hospital; Clinical Fellow in Orthopaedics, Harvard Medical School, Boston, MA
- 1990-1993 **Clinical Instructor**, Department of Surgery, UCSF School of Medicine, Fresno, CA
- 1994-2002 **Assistant Clinical Professor**, Department of Surgery, UCSF School of Medicine, **Fresno, CA**
- 2002-2005 **Associate Clinical Professor**, Department of Orthopaedic Surgery, UCSF-Fresno, CA
- 2009-2010 Associate Professor**, Virginia Tech Carilion School of Medicine, **Roanoke, VA**
- 2009-2010 Associate Clinical Professor of Orthopaedic Surgery**, University of Virginia, **Charlottesville, VA**

4. OTHER PROFESSIONAL POSITIONS

- 1989-2003 **Medical Director and Founder**, Division of Orthopaedic Surgery, Children's Hospital Central California, **Fresno-Madera, California**
- 1989-2003 **Founding and Senior Partner**, Sequoia Pediatric Orthopaedic Medical Corporation, Fresno, CA
- 1991-2000 **President**, Sequoia Pediatric Orthopaedic Medical Corporation, **Fresno, CA**
- 1992-1994 **Chairman**, Department of Surgery, Valley Children's Hospital, **Fresno, CA**
- 2000-2002 **Chairman**, Department of Surgery, Valley Children's Hospital, **Madera, CA**
- 2002-2002 **President-Elect**, Fresno-Madera Medical Society, **Fresno**
- 2003-2003 President**, Fresno-Madera Medical Society, Fresno, CA
- 2003-2008 **Partner**, Colorado Springs Orthopaedic Group (attending surgeon Memorial Hospital, Memorial Hospital for Children, Penrose Community Hospital, Penrose St. Francis Hospital, Audubon Surgery Center, Printers Park Surgery Center –all in Colorado Springs). Colorado Springs Orthopaedic Group, Colorado Springs, CO
- 2008-2010 **Medical Director**, Pediatric Orthopaedic Surgery, Carilion Clinic, **Roanoke, VA**

Hospital Affiliations

Past staff: Centura Penrose Hospital and St. Francis Hospital, Colorado Springs (2003-2013)

Past staff: Audubon Surgery Center, Colorado Springs (2003-2013)

Active staff: Memorial Health Systems (Memorial Central, Memorial North and Printer's Park), Colorado Springs

Active staff: Children's Hospital Colorado, Denver

5. HONORS, SPECIAL RECOGNITIONS, AND AWARDS

C. Richard Bowman Scholarship, 4th year University of Virginia, 1981 - for clinical excellence during the third year

Raven Society, 1982 University of Virginia

Society of Fellows, University of Virginia, 1982

Farley Fellowship Fund, 1988

Cave Traveling Fellowship 1986 for New Zealand senior registrar

LIGA International Award: for volunteer surgical efforts for Mexican children, about 1998

Children's Hospital Central California Board of Trustees Meritorious Service Award, 1999

Robert Pruner Resident Teaching Award, University of Virginia Dept of Orthopaedic Surgery, Class of 2012

AAOS Achievement Award, 2015

Colorado Springs Lifestyle Magazine "Top Doc" Award, 2104 and 2015

Civic Leader Tour, 302nd Airlift Wing, USAF Reserve; April 30-May 1, 2015: selected to travel by C-130 to Peterson AFB and Lackland AFB and tour DoD medical facilities including Intrepid center at Brook Army Hospital

AAP ALF selected attendee, March 10-13, 2016, Shaumburg, IL

6. MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

1989 - 2003	Fresno Madera Medical Society
1989–2003	California Medical Association
1993 – present	American Academy of Orthopaedic Surgeons
1993 – 2003	California Orthopaedic Association
1993 – present	Pediatric Orthopaedic Society of North America
1996 – 2002	North American Spine Society
1997 – present	American Academy of Pediatrics – Specialty Fellowship
2004 -2008	El Paso County Medical Society
2004 – 2008	Colorado Medical Society
2004 - 2008	Pikes Peak Pediatric Society
2010 – present	El Paso County Medical Society
2010 – present	Colorado Medical Society
periodically:	American Medical Association, current 2015

7. COMMITTEE AND SERVICE RESPONSIBILITIES

1989 – 2001 **Trauma Committee**, Valley Children’s Hospital
 1989 – 2003 **Surgical Committee**, Valley Children’s Hospital
 1992 – 1996 **Managed Care Task Force**, Valley Children’s Hospital
 1994 – 1995 **Board Member**, CHILDNET IPA
 1995 – 1996 **Contract Committee Member**, CHILDNET IPA
 1996 – 1997 **Legislative Committee**, Fresno Madera Medical Society
 1997 – 1997 **Emergency Medical Services Committee**, Fresno-Madera Medical Society
 1998 – 2001 **Board of Governors**, Fresno-Madera Medical Society
 1998 – 2002 **Performance Improvement Committee**, Valley Children’s Hospital
 2009-2010 **Governance & Operations Committees** ROC/Carillon Clinic
 2010 – present **Ortho-Neuro Technology Committee (VAT)**, **Memorial Hospital, Colorado Springs**
 2011- 2011 **Ad Hoc Surgical Performance Committee**, **Memorial Hospital, Colorado Springs**
 5/2011-5/2013 **POSNA Public Education and Media Relations Committee**
 2011–2015 **Memorial Hospital Trauma Committee**
 2013-present **AAP Orthopaedic Global Outreach Scholarship Selection Committee**
 2013-present **Memorial University Hospital Executive Committee**
 2015 - **Briargate NOC Radiology Improvement Taskforce**, physician champion
 2016 - Pediatric MSC Committee, MHS/CU
 2015 - Perioperative Planning Committee for new hospital

National/International Organizations

1997 – 2000 Chair, Health Policy Committee, Pediatric Orthopaedic Society of North America
 1997 – 2002 Member, Committee on Quality, Pediatric Orthopaedic Society of North America
 1998 – 2001 Member, Board of Governors, Fresno Madera Medical Society
 2002 President-Elect, Fresno Madera Medical Society
 2003 President, Fresno Madera Medical Society
 2002–2015 AAP PPC course instructor, American Academy of Pediatrics
 2004 Colorado Chapter Contact for Section on Orthopaedics, American Academy of Pediatrics
 2010–2012 Section on Orthopaedics Nomination Committee, American Academy of Pediatrics

Community Service

1979 – 1982 Central Virginia applicant interviewer for Wesleyan University
 1980 – 1982 Member, Board of Trustees, Tandem School, Charlottesville, VA
 1989 – 1998 Fresno Unified School District – Annual Scoliosis Screening Program
 1989 Boston Marathon Finish Line Triage
 1990 – 1992 Orthopaedic Training for National Park Service Rangers

- 1991 Medical Director of Children’s Challenge (Duathlon),
- 1991 Fundraiser VCH Telethon
- 1991 Guest of TV program “Sun-Up” Ch. 47, CBS Affiliate. Discussed safety of in-line skates
- 1991 – 1998 Advisor, FUSD Medical Advisory Committee
- 1992 Central California Blood Bank Interview for video tape production on blood and bone products.
- 1992 – 1993 Local Board Member of National Epilepsy Foundation
- 1995 Performed bilateral open reduction and osteotomies for DDH upon Mexican child for Univision newsmagazine show “Primer Impacto”
- 1996 Guest speaker, California School Nurses Organization 46th Annual Conference, Fresno: Pediatric Musculoskeletal Trauma
- 1996 – 1997 Provided medical coverage for football games for 3 Fresno underprivileged high schools, including mass screening physical exams
- 1997 – 2001 Board Member, Central California Tissue Bank
- 1998 – 2001 Volunteer Containership Loader, Medical Benevolence Foundation of Presbyterian Church USA; Hanson Medical Mission Fund; three weekend mornings per year
- 2004 – 2007 Doherty High School Team Physician
- 2010 – present Boy Scout Assistant Scoutmaster and Journey to Excellence coordinator, Troop 62 Pikes Peak Council
- 2011 Team surgeon: ISMS (International Surgical Mission Support) Operation Kids, Kisumu, Kenya**
- 2011 Volunteer surgeon: MoPOEd, Maputo, Mozambique**
- 2011 CSCS Football Team Physician
- 2013 February – volunteer surgeon The Shalom Foundation, Moore Pediatric Hospital, Guatemala City**
- 2013 March – volunteer surgeon, ISMS Operation Kids, Jalapa, Guatemala**
- 2014 February – volunteer surgeon ISMS Operation Kids, Kakamega, Kenya**
- 2014 March – Organized, financed and led volunteer orthopaedic surgical team Memorial Hospital and CHCO to Moore Pediatric Hospital, Guatemala City**
Our team performed first major hip procedures at that facility and over 50 procedures for 38 children during our week
- 2015 February -ISMS Operation Kids, Jamaica, May Pen Hospital**
- 2015 March -Moore Pediatric Hospital, GC – organizer, principal funder and fundraiser**
- 2015 May –Project Perfect World, Guayaquil, Ecuador, focused on complex spine surgery and limb deformity**
- 2015 Worked with Michael Littlefield to establish Project Cure donation bins at Memorial North Hospital**
- 2016 Feb – ISMS Operation Kids, Holy Family Hospital, Techiman, Ghana**

8. LICENSURE AND BOARD CERTIFICATION

- 1983 Diplomat of National Board of Medical Examiners
- 1985 Massachusetts Licensed Physician, ended 1995
- 1987 California Licensed Physician, #G62043
- 1990 California Physician Assistant Supervisor License
- 1990 Certified Instructor, ATLS Course, American College of Surgeons
- 1990 California Radiology and Fluoroscopy X-ray Supervisor and Operator License
- 1991 Diplomat of American Board of Orthopaedic Surgery (ABOS)

- 2001 Recertified ABOS
- 2003 Colorado License #41690, current
- 2007 Colorado Physician Assistant Supervisor
- 2008 Virginia State Medical License issued, #0101244492 on 10/01/2008, exp 10/31/2016
- 2008 Colorado Dept of Corrections Panel of Medical Consultants
- 2010 Diplomat of American Board of Orthopaedic Surgery, re-certified, good until 12/31/2021
- 2011 Colorado Fluoroscopy Certificate

9. REVIEW AND REFEREE WORK

Journals

- 1998 – now Journal of the American Academy of Orthopedic Surgeons, **Reviewer**
- 2007** Abstract Reviewer for POSNA Annual Meeting
- 2008-now Clinical Orthopaedics and Related Research, Reviewer
- 2013-now Referee: AAP Section on Orthopaedics “Global Outreach Mentored Scholarship Program” selection committee

National Public Health Service

International

10. VISITING PROFESSORSHIPS:

Visiting Professor, Project Nino, 8/18 – 8/22/99 Hospital General de Atizapan (Chrysler), 12th Congreso Internacional Pediatria Mexico-Estados Unidos (3 lectures & staffed rural clinic)

Visiting Professor, Nov 2011, National Orthopaedic Hospital, Maputo, MZ

Visiting Professor, May 2015, Hospital Gilberto _____, Guayaquil, Ecuador (taught spine and limb surgery and Ponseti method)

Visiting Professor, Ghana College of Physicians and Surgeons, housestaff training program, Techiman, Ghana Feb 2016

National

11. Invited Educational Teaching Records

Simmons College Physical Therapy Course: Spine Fractures and Myelodysplasia 4/89.

Massachusetts Chapter National Neurofibromatosis Foundation: “Orthopaedic Problems in Neurofibromatosis” 5/89.

Post Graduate Teaching

Guest speaker, California School Nurses Organization 46th Annual Conference, 2/1/96, Fresno: Pediatric Musculoskeletal Trauma.

Practical Lab Instructor, Harvard University “Osteotomy of Hip and Knees” 4/89.

Valley Children’s Hospital Pediatric Trauma Course, 10/89.

Valley Children’s Hospital CME course for Pediatricians, “Musculoskeletal Injuries in Children” 10/89.

Valley Children’s Hospital Spring CME Conference. “Developments in Diagnosis and Treatment of CDH” 3/10/89.

Pediatrics in Yosemite Conference, Faculty Lecturer, April 26-29, 1990.

Pediatric Trauma. “Musculoskeletal Trauma and Amputations” June 5-6, 1990.
Faculty Lectures – Pediatric Trauma Course – VCH June 4, 1991.

Faculty lectures, - ATLS Instructor, Annual VMC Course, July 1990 – 1995.

Physician Lecture Series, Yosemite National Park – “ Pediatric Musculoskeletal Trauma” 1991.

Sequoia College of Orthopaedic Surgeons “Modern Technique in Scoliosis” 2/13/92.

Fresno Community Hospital Emergency Room Physicians “Pediatric Orthopaedic Emergencies” 2/20/92.

Valley Children’s Pediatric Trauma Course, 03/92.

U.C. Davis Alumni Day Panel Discussion on Pediatric Hip Disease, June 11, 1992.

Lecture, U.S. Department of Interior, Yosemite Park Medic Course, 3/12/93

Grand Rounds “Children’s Fractures” Coalinga District Hospital, 3/18/93.

Instructor and Lecture: “Sports, Kids, and Orthopaedics” One-day course at VCH, Fresno, 3/20/93.

Madera Community Hospital “Pediatric Sports Injuries” 4/13/93.

“In-service” on spinal deformity and school screening for FUSD school nurses, 11/9/93.

Pediatrics in Yosemite Conference, Faculty lecturer, April 7-10, 1994.

Guest speaker, National Association of Pediatric Nurse Associates and Practitioners – San Joaquin Chapter, April 26, 1994.

Speaker, Osgood Lecture Day, MGH/Harvard University, May 30, 1996:
Coccidioidomycosis

Pediatrics in Yosemite: April 1997

1. Pitfalls in Primary Care of Pediatric Orthopaedic Problems
2. Lumps and Bumps: Musculoskeletal Tumors in Children

Third Annual UCSF-Fresno Update in Primary Care: Pediatric Orthopaedic Trauma.
Monterey, July 1998

Lecture, Central California Tissue Bank: Use of Allograft in Spinal Deformity Surgery
10/98

Multidisciplinary Spasticity Symposium, VCH, 2/16/99

AO/ASIF Spinal Instrumentation Workshop Instructor, VCH, 5/8/99

"Pediatric Orthopaedic Emergencies," UC Davis NP/PA program, 1/11/2000

Fourth Annual Pediatric Orthopaedic Course for Primary Care Practitioners, Monterey,
July 2000

Merced Mercy Hospital Grand Rounds 11/30/00: Tibia and Femur Fractures in Children.

Pediatrics in Yosemite, 2001: Office Pediatric Orthopaedics

Merced Mercy Hospital Grand Rounds 03/01: Developmental dislocation of the hip.

"Limb Salvage Surgery in Children and Adolescents," for Association of Operating Room
Nurses, VCH, January 1/9/2002

Speaker, Annual Combined Meeting of Sequoia College of Orthopaedic
Surgeons/Sequoia Chapter Western Orthopaedic Association: "Benign and Malignant
Musculoskeletal Lesions in Children," Visalia, 10/10/02

Faculty, American Academy of Pediatrics Workshop: The Office Orthopaedic Exam.
October 23, 2002 Boston

Speaker, "The Use of a Synthetic Bone Graft Product (VITOSS) in Pediatric
Orthopaedics," Ramada Inn, Fresno, 5/14/03

"Pediatric Orthopaedics for the Primary Care Physician," Arkansas Valley Medical
Center, La Junta, CO 2/20/04

"Spinal deformities," Memorial Hospital Pediatric Conference, Colorado Springs, 3/4/04

"Pediatric Orthopaedic Emergencies," Memorial Hospital Grand Rounds, Colo Springs,
3/17/04

"Bone Graft Options," Cheyenne Mountain Resort, Colorado Springs, 4/8/04

"Pediatric Orthopaedic Emergencies," Plains to Peaks EMS & Trauma Conference,
Limon, CO 4/24/04

“Taping, Splinting and Casting for the Pediatrician.” Workshop faculty, AAP Annual Mtg, San Francisco, 10/10/04

Moderator, Spine section of Ortho Section, AAP Annual Mtg, San Francisco, 10/10/04

“Pediatric Fractures – Splinting and Casting,” MERIC, Colo Springs, 4/9/05

“The use of a beta-tricalcium phosphate synthetic bone graft substitute in children,” Omaha, 4/27/05 and podium presentation AAP Annual Meeting, Washington DC, 10/05

“Children’s Fractures: Pearls and Pitfalls,” Audience response case discussion #457, AAP Annual Meeting, Washington DC, 10/05

“Emergent versus urgent treatment of 217 displaced supracondylar fractures without provisional closed reduction,” podium presentation, AAP annual meeting, Washington DC 10/05

“Pediatric Ankle Injuries,” Colorado Springs Physical Therapy Society, 11/05

Faculty for American Academy of Pediatrics “Practical Pediatrics CME Course,” Jan 2006 at Steamboat Springs. Lectures: Clubfoot, Slipped Capital Femoral Epiphysis, & Child Ankle Injuries.
Hands-on casting/splinting seminar.

Faculty for AAP “Practical Pediatrics CME Course,” May, 2007 at Hilton Head.

Evaluation and Treatment of Scoliosis. Jan 17, 2008: Pikes Peak Pediatric Society

The Use of Beta Tri-Calcium Phosphate in Foot and Ankle Surgery, Denver Podiatric Society, Feb 7, 2008

Memorial Children’s 14th Annual Pediatric Symposium: Pediatric Sports Injuries. March 2008

Invited Lecturer, California Chapter AAP, May 24-26, 2008 Monterey, CA : 1) Hip to Toe: the lower extremity exam in your office; 2) The most common orthopaedic problems seen in the pediatric office; 3)Alignment problems in children

Carilion Pediatric Grand Rounds: The Child’s Foot. Jan 8, 2009

Virginia Physical Therapy Association: Pediatric Ankle Injuries. Jan 20, 2009

Faculty for AAP Practical Pediatrics Course, Orlando, March 2009 Topics: hip dysplasia, sports injuries, update in pediatric orthopaedics, foot disorders

Blue Ridge Chapter, NAON: Spinal deformities. Apr 23, 2009

University of Virginia Orthopaedic Grand Rounds: SCFE and Snakebites. May 20, 2009

Spinal Deformity. Jefferson College of Health Sciences, PA Program. July 9, 2009

B-tricalcium phosphate use in ortho surgery. For Orthovita Corp, Los Angeles, July 15, 2009

Carilion Emergency Medicine Grand Rounds: Orthopaedic manifestations of child abuse, 9/17/09.

University of Virginia Orthopaedic Grand Rounds, SCFE and Child Abuse, Jan 2010

Invited speaker: Lumps and Bumps in Children. American Cancer Society Annual Ned Shott Cancer Conference, Bluefield, WV. 5/15/10

Faculty; American Academy of Pediatrics Practical Pediatrics Course, NYC June 16-19, 2010. Topics: sports injuries, physical child abuse, orthopaedic problems in the newborn, alignment problems.

AAP PPC Faculty: Pediatric Sports and Musculoskeletal Medicine, Wash,DC, Sept 1-4, 2010. Topics: sports, spinal deformity, abuse, debate, alignment disorders

Section Moderator, Orthopaedics, AAP Annual Meeting, San Francisco, Oct 2010

Grand Rounds: Fractures in Children, Penrose Hospital, March 2011

Pediatric Grand Rounds, Ft Carson Evans Community Army Hospital, Alignment Disorders, March, 2011

Invited speaker: Synthes Corporation, Monument Manufacturing/Distribution Facility, Monument, Colorado, February, 2011: Internal fixation of Fractures

Update Pediatric Ortho Trauma, Memorial Health Systems Trauma and Critical Care Symposium, Aug 26, 2011

Inaugural Speaker: Ft Carson Evans Army Community Hospital Orthopaedic Grand Rounds: Update in Pediatric Elbow Fractures, Sept 2011

AAP PPC Faculty, Amelia Island, Florida; November 2011. Topics: Sports, Fractures, Non-accidental trauma

Invited Panelist, AAP Surgical Plenary Conference: Neurotoxicity in Pediatric Anesthesia, AAP NCE, New Orleans, Oct 2012

Session Moderator, Section on Orthopaedics, AAP NCE, New Orleans, Oct 2012

AAP PPC Faculty, Marco Island, Florida: November 2012. Topics for PCP's

Invited Speaker, 9th Annual Colorado State Radiology Conference, Memorial Hospital School of Radiologic Technology, April 13, 2013: Spinal Deformity Imaging

Briargate NOC Grand Rounds: Pediatric Orthopaedics in the Developing World, June 17, 2014, Colorado Springs

AAP PPC Faculty, Las Vegas, NV: August 2014: 6 lectures: Scoliosis screening, DDH

screening, Missed fractures, Physical exam of hip and knee

Grand Rounds, Briargate NOC: DDH. Sept 8, 2014

Plenary Debate: AAP NCE, San Diego

Developmental Dysplasia of the Hip: Should Screening Be Abandoned?

Date/Time: Sunday, Oct 12, 2014

Faculty: PRO: Brian Shaw, MD, FAAOS, FAAP: CON: Lee Segal, MD, FAAP

AAP PPC Faculty, Lake Tahoe, CA: Jan 2015: 6 lectures on Ped Ortho Topics

Grand Rounds, Briargate NOC: Update on DDH, Oct 8, 2015

Invited speaker, AAP NCE Washington, DC Oct 27, 2015: Clicks and Clunks: How to stay out of trouble with infant DDH (90-minute seminar)

Invited speaker, AOA National Meeting, Oct 17, 2017: Overseas Pediatric Orthopaedics

Invited speaker, El Paso County EMS Paramedic Refresher Course, Jan 26, 2016: Pediatric orthopaedic trauma

Invited speaker: AAP PPC Seattle, WA May 2016

Invited speaker: District 9 (?) Calif AAP 2016

Student Mentorship and Supervision : incomplete

Medical Students:

Kathleen Mondanaro clinic and surgery peds rotation 2013

Residents:

Moderator: UVa Orthopaedic Resident Weekly Fracture Conference, 1/09 – 4/09

Graduate Students:

CHCO Peds Ortho Fellow Curt Vandenberg, Guatemala Moore Hospital 2014

Faculty advisor/sponsor for: Anthropologic study of adaptation of Hmong to Western medicine. Dr. Jun Hu, Emory University, NIH & NSF grants 1997-98 resulting in publication: Hu, J: Increased incidence of perforated appendixes in Hmong children in California. NEJM. 344:13, pp. 1023-1024, 2001

Faculty advisor to Harish Hosalkar, MD post-graduate pediatric orthopaedics fellow from India; now Assistant Professor Orthopaedics, UC San Diego 2000 (Fellowship director: WL Henrikus, MD)

Undergraduate Students:

Mentor to pre-med student Kelleen Murphy 1995-96, now in OB-Gyn practice in Fresno, CA

High School Students: participant in the MHS "Learning Link" Program which exposes local high school students to clinical medicine in the hospital and clinic. 2003-current

12. RESEARCH & GRANT SUPPORT

13. BIBLIOGRAPHY

PEER REVIEWED PUBLICATIONS

Sinnamon, HM, B Shaw, DG Amaral and DJ Woodward. Cerebellar inhibition and ICS stimulation in the area of the nucleus locus coeruleus. Brain Research Bulletin. 3(3) 193-202, 1978.

Gelberman, RH, M Cohen, B Shaw et al. The association of femoral retroversion and slipped capital femoral epiphysis. JBJS, 68-A, 1000–1007, Sept. 1986.

Shaw, BA, FL Mansfield and L Borges. One-stage posterolateral decompression-stabilization for primary and metastatic vertebral tumors in the thoracic and lumbar spine. J. Neurosurg, 70, 405-410. March 1989.

Shaw, B and JR Kasser. Management of Vascular Injuries in Displaced Supracondylar Humerus Fractures without Arteriography. J Orthopedic Trauma, Vol. 4, (1) pp. 25-29.

Shaw, B and JR Kasser. Acute septic arthritis in Infancy and Childhood. Ortho Rel.Res. Number 257, pp. 212 – 225, August, 1990.

F.T.Blevins, B. Shaw, R. Valeri, J. Kasser, and J. Hall. Reinfusion of Shed Blood after Orthopaedic Procedures in Children and Adolescents. The Journal of Bone and Joint Surgery, 75(3): pp. 363–369 March 1993.

Blanks, R., Lester, K., Shaw, B.: Flexion-Type Salter I Fracture of the Proximal Tibia, Clin Orthop 301:256, 1994.

Shaw, B. Resolving Neonatal Osteochondroma. American Journal of Orthopedics, 25(3): 226 – 228 March 1996.

Shaw, B. Images in Clinical Medicine: Pott's Disease with Paraparesis. New England Journal of Medicine, 334:15, pp. 958-959; April 1996.

Shaw, B., Watson, T., Merzel, D., Gerardi, J., Birek, A.: The Safety of Continuous Epidural Infusion for Postoperative Analgesia in Pediatric Spine Surgery. JPO, 16: 374 – 37, May 1996.

Shaw, B. and Murphy, K.: Flexor Tendon Entrapment in Ulnar Shaft Fractures. Clin Ortho 330: 181-184; Sept. 1996.

- Kushwaha, V., Oppenheim, WL, Shaw, B., Gerardi, JA.: Musculoskeletal Coccidioidomycosis. Clin Ortho 332: 190-199; Nov. 1996.
- Shaw, B., Murphy, K., Shaw, A. Oppenheim, WL, Myracle, M.: Humerus Shaft Fractures in Young Children: Accident or Abuse?. J Pediatr Ortho, 17:293-297, 1997.
- Roux, MA, Murphy, KM., and Shaw, B.A.: Technique for Securing Guide Wires in Cannulated Screw Systems. American Journal of Orthopaedics, Vol. 25, p. 726, October, 1996.
- Sutters, K., Shaw, BA, Gerardi, JA, Hebert, D: Comparison of Morphine Patient-Controlled Analgesia (PCA) with Morphine PCA plus Ketorolac for Post-Operative Analgesia in Pediatric Orthopaedic Surgery. American Journal Ortho, Vol 28, No. 6, pp. 351-358, June 1999.
- Shaw, BA, Murphy, KM, Freeman, B, Thompson, D: C-Arm Manipulation Using a Sterile Disposable Lamp Handle. Amer Jnl of Orthopaedics, July 1997.
- Hennrikus, WL, Shaw, BA, Gerardi, JA: The Prevalence of Positive Preoperative Pregnancy Testing in Teenagers Scheduled for Orthopaedic Surgery. Jnl Ped Ortho 25(5): pp. 677-679, Sept 2001.
- Skaggs, DL, Leet, AI, Money, MD, Shaw, BA, Hale JM, Tolo, VT: Secondary fractures associated with external fixation in pediatric femur fractures. JPO 19(5): 582-586, 1999.
- Hennrikus WL, Shaw BA, and Gerardi J: Injuries when children fall from a bed or couch. Clin Ortho Rel Res, 407,pp148-151, 2003
- Shaw, BA and Murphy, KM: Displaced odontoid fracture in a 9-month-old child. Amer Jnl Emerg Medicine. 17(1) 73-75, Jan 1999.
- Shaw, B: Pediatric fractures about the knee. Current Opinion in Orthopedics. 10:34-43, 1999.
- Hosalkar, HS, Shaw, BA, Ceppi, CL, Ng, BC: The Cerebro-costo-mandibular Syndrome: 9-Year Follow-up of a case. J Postgrad Med 46(4): pp. 268-71, Oct-Dec 2000.
- Hosalkar, HS, Gill, IS, Gujar, P, Shaw, BA: Familial Torticollis with Polydactyly: Manifestation in Three Generations. Am Jnl Orthopaedics pp. 656-58, August 2001.
- Hosalkar, HS, Shaw BA, Carrie LC, Read H. Bilateral Congenital Capitate-Hamate Fusion. J Postgrad Med. 2001 Jul;47(3):208-209.
- Hosalkar HS, Shah HS, Gujar PS, Shaw BA. The Antley-Bixler Syndrome: Two New Cases. J Postgrad Med. 2001 Oct;47(4):252-255.
- Hosalkar HS, Gerardi J, Shaw BA: Robinow syndrome. J Postgrad Med 2002 Jan-March, 48(1):50-51.
- Hosalkar HS, Shaw BA, Siongco A, Ceppi C: A 10-year-old boy with hip pain. Clin Orthop. 2002 Apr;(397):434-41.

Hosalkar HS, Shaw, BA, Kassel SH: An 8-year-old boy with neck pain. Clin Orthop.2002 Feb;(395):262-7.

Shaw BA and Hosalkar H: Rattlesnake bites in children: antivenin treatment and surgical indications. JBJS-A 84:9; 1624-1629, Sept 2002

Shaw, B and Holman, M: Traumatic Lumbosacral Nerve Root Avulsions in a Pediatric Patient. Orthopedics, 2003, 26(1):89-90, Jan 2003

Hennrikus WL, Shaw BA, Gerardi J, Ward A: A re-evaluation of injuries in youth soccer. Clin Orthop 2003 Feb;(407):148-51.

Gillespie B, Waters P and Shaw B: Surgical Excision of An Omovertebral Bone In An Adult With Untreated Sprengel's Deformity: Early Improvement in Motion and Appearance. Oct 9, 2013 JBJS Case Connector

Schwend RM, Shaw BA, Segal LS: Evaluation and treatment of Hip Dysplasia in the Newborn and infant, Pediatr Clin N Am (2014)
<http://dx.doi.org/10.1016/j.pcl.2014.08.008>

Pelvic fx paper: pending

Book Chapters:

Shaw, BA et al: "Chap 36: Upper extremity fractures" in Pediatric Orthopaedics and Sports Injuries: A Quick Reference Guide, ed by JF Sarwark and C Labelle, American Academy of Pediatrics, Chicago, 2010 **Also supplied original clinical photos used throughout the book. Revised 2013.

Contributer, Pediatric Section, ESSENTIALS OF MUSCULOSKELETAL MEDICINE, 6th edition; AAOS and AAP, Chicago, 2016 (reviewed and revised 20 pediatric chapters)

NON PEER REVIEWED PUBLICATIONS

Shaw B and Gerardi J. Avoiding Pitfalls in Pediatric Sports Injuries. Contemporary Pediatrics, pp. 142–159, May 1992.

Bubulka, G., Shaw, B., Strode, and G.: Cervical Spine Injuries in Children. Society of Trauma Nurses Newsletter, April 1993.

Shaw, BA, Gerardi, JA, Hennrikus, WL: Avoiding the pitfalls of orthopaedic disorders. Contemporary Pediatrics, Vol 15, #6, June 1998.
Re-published in Patient Care, pp. 95-116, February, 1999.

Hennrikus, WL; Shaw, BA; Gerardi, JA: Sorting out elbow injuries. Contemporary

Pediatrics, 16(10); Oct 1999.

Shaw BA. President's Column. Vital Signs; Monthly publication of Fresno-Madera Medical Society, Jan – Dec, 2003 **(8 columns)**

Shaw BA. Don't Slip Up On This One. Colorado Chapter AAP newsletter, spring 2005.

Shaw BA and Bradshaw T: You Code It: Fracture Coding for Pediatricians. AAP Pediatric Coding Newsletter, pp 5-6, Vol 6, No 1, Oct 2010

Editorial: spring 2011 AAP Ortho Section newsletter: Don't hesitate to hospitalize sick children.

Shaw BA: Limp with knee or thigh pain? Consider SCFE. AAP News, Oct 2012, vol 33, No. 10, p 11

2012 Shaw BA: CRPS in children. YOC, AAOS online publication (requested by POSNA's PEMR committee)

Jan 2013: revised two articles for the AAOS website "OrthoInfo": Pediatric Pedestrian Safety and Bone Mass (requested by PEMR committee)

RM Schwend and BA Shaw: Early Onset Scoliosis, AAP NEWS Vol. 35 No. 9 September 1, 2014 p13 (doi: 10.1542/aapnews.2014359-13)

Interview: Universal ultrasound screening of hips not recommended: AAP endorsed guideline. AAP NEWS Vol 36 No. 10, Oct 1, 2015 p49 (doi 10.1542/aapnews.20153610-49)

Letters to Editor

Shaw, BA: Vascular impairment in supracondylar fractures. Letter to editor, JPO, March/April 1998

Shaw BA: Should the term "required" be banned? JBJS-A 2002 Apr;84-A(4):684-5

Shaw BA. Rattlesnake bites in children. Letter to editor. JBJS-A. May 2003.

Shaw BA. Risks of epidural catheters. Letter to editor. JPO, 23:4, p564, July 2003.

Shaw BA. Soccer injuries in children. Colo Springs Gazette and STOP website, Feb 2012

Shaw BA. Complications of Ketorolac Use in Children Undergoing Operative Fracture Care. J Pediatr Orthop, Volume 32, Number 7, October/November 2012

Refereed Scientific Abstracts **most of these resulted in publications listed above**

Shaw, B and JR Kasser. Management of Vascular Injuries in Displaced Supracondylar Humerus Fractures without Arteriography. Third National Conference on Pediatric Trauma, Ann Arbor, Michigan, September 1989, and abstract published in Pediatric Trauma and Acute Care, 2(10), Oct 1989.

Kasinski S, Emans JB, Sands A, and Shaw B. Epiphysiolysis in a Pediatric Renal Transplant Population. Presented at AAOS, March 1991, Anaheim, CA.

Blevins FT, Shaw B, Valeri R, Kasser J, and Hall J. Reinfusion of Shed Blood after Orthopaedic Procedures in Children and Adolescents. Presented at POSNA, Dallas, Texas May 1991.

Shaw, B., Watson, T., Merzel, D., Gerardi, J., Birek, A.: The Safety of Continuous Epidural Infusion for Postoperative Analgesia in Pediatric Spine Surgery. Presented at POSNA 1994, North American Spine Society 1995, Fresno Research Symposium 1995, and Boston Children's Hospital Hall Symposium 1996.

Sutters, K., Shaw, BA, Gerardi, JA, Hebert, D: Comparison of Morphine Patient-Controlled Analgesia (PCA) with Morphine PCA plus Ketorolac for Post-Operative Analgesia in Pediatric Orthopaedic Surgery.

- presented July 1997 at Fourth International Symposium on Pediatric Pain, Helsinki
- podium presentation POSNA, May 1998.
- poster presentation AAOS, March 1998.

Hennrikus, WL, Shaw, BA, Gerardi, JA: The Prevalence of Positive Preoperative Pregnancy Testing in Teenagers Scheduled for Orthopaedic Surgery.

- podium AAP 11/97
- poster, AAOS, 3/98

Skaggs, DL, Leet, AI, Money, MD, Shaw, BA, Hale JM, Tolo, VT: Secondary fractures associated with external fixation in pediatric femur fractures.

- podium POSNA, May 1998 Paper #83,
- podium AAOS Anaheim, 2/99;
- AAP 10/98.

Hennrikus WL, Shaw BA, and Gerardi J: Injuries when children fall from a bed or couch.

- podium presentation, AAP 1998
- poster, POSNA 1999
- poster, AAOS 2000.

Gerardi,J Hennrikus WL, Shaw BA, Ward A: Treatment of unstable forearm fractures with intramedullary pinning of the ulna. Podium presentation, POSNA, 1999.

Hennrikus WL and Shaw, BA: 100 cases of waste and duplication in pediatric fracture care. Podium presentation, AAP Annual Meeting, Chicago, 10/2000.

Shaw BA and Hosalkar H: Rattlesnake bites in children: antivenin treatment and surgical indications.

- presented British Orthopaedic Association, Birmingham, UK Sept 2001
- presented POSNA, Cancun, Mexico May 2001
- presented Western Ortho Assoc, Rocky Mtn Chap, August 2004

Hennrikus H, Holman M, Ceppi C, Lozano S, Read H, Gerardi J, Shaw B: Elbow fractures in children: an epidemiological analysis of 543 consecutive cases. Podium presentation, AAP Boston, Oct 2002

Hennrikus, WL and Shaw BA: 100 cases of waste and duplication in pediatric fracture care. AAOS Poster Presentation, accepted for Feb 5-9, 2003.

Hennrikus WL, Shaw BA, Gerardi J, Ward A: A re-evaluation of injuries in youth soccer.
-podium presentation, AAP 10/98.
-poster, POSNA 1999
-poster, AAOS 2000.

Bent M, Hennrikus WL, Shaw BA et al: The role of computed tomography in the classification and treatment of pediatric pelvic fractures – revisited. POSNA 5/1/13

NON-SCIENTIFIC PAPERS

Shaw, B. If Doctors Bargained like Car Dealers. Medical Economics, p 139, Sept 1987.

Shaw, B. HMO's versus Medi-Cal. Letter in The Fresno Bee, April 26, 1996.

Shaw, B. Sick City: A Fresno Doctor Diagnoses Managed Care. Editorial, The Fresno Bee, May 16, 1999.

Shaw, B. Surgery Volunteer Honored for WWII Contributions. VCH Med Staff Newsletter, Nov 2000.

Feature article: Practice Management: Dealing with the Urgency in Daily Life. Orthop Tech Review, 4:5:24-25, Sept/Oct 2002.

Shaw, B: This could happen to you! Unfunded mandate hammers Fresno surgeon. San Diego Physician, 90:7, pp 8-12, July/August 2003.

Shaw BA. Letter to editor: Medicine and insurance industry USAA.....?publish date

Photo "Mare and Filly," p 1875, NEJM, 343:25, December 21, 2000.

Photo "Colorado Lightning and Mammato Cumulus Clouds," p 372, NEJM, July 28, 2011

Photo "Montana owl," NEJM April 2014

Photo "Flicker," p. 2092, NEJM May 29, 2014

Photo "Bobcat" p. , NEJM July 2014

Photo, Arenal Volcano, Backroads 2016 Walking, Hiking & Multisport catalog.

MEDICAL – LEGAL EXPERIENCE

Expert Witness and Medical-Legal Consulting Experience (material witness excluded):

- 1991 Expert witness: Hmong Club Foot Case: went to US Supreme Court
- 1992 Expert consultant: Head Injury/Spastic Quadriplegia
- 1992 Traumatic Amputation
- 1992 Physical Child Abuse
- 1994 Propane Gas explosion with multiple injuries including growth arrest
- 1995 Foot skin slough following infiltration of intravenous line
- 1997 United States Attorney Expert Witness for Pediatric Trauma Case – child struck by postal truck
- 1997 Physical child abuse
- 1997 Open femur fracture – fall off haywagon
- 1999 Expert and Material Witness: Physical Child abuse, Tulare County (1-year old with multiple upper extremity fractures)
- 2000 Physical child abuse, femur fracture in toddler
- 2/2001 Expert reviewer "missed" diagnosis of DDH
- 12/2002 Expert reviewer, Pathologic Fracture in osteogenesis imperfecta
- 6/2005 Expert witness, Physical child abuse – Fresno County
- 4/2006 Expert Witness, Physical child abuse – Pueblo County
- 10/06 Expert Witness, Felony child abuse trial, Brighton, Colorado
- 3/07 Expert witness/IME: Injury related to subtalar coalition

5/10 Expert reviewer, defense bilateral late diagnosis of DDH

7/11 Expert reviewer for defense: West Virginia case of alleged child abuse (toddler fracture)

2/12 Expert reviewer for defense septic arthritis/osteomyelitis of hip in teen (New Mexico)

3/12 CPEP examiner for re-entry into practice of pediatric orthopaedics

5/12 CPEP examiner for general and sports orthopaedist

2012-13 Expert consultant for defense re: Blount's disease lawsuit, Ocala, FL

2003-current: multiple informal forensic child abuse consultations for Anthony Shaw, MD and Court of Los Angeles

2014-15: expert witness MRSA osteomyelitis 3yo boy Roanoke, VA