

CURRICULUM VITAE

NAME: William C. Schrader, M.D.

PROFESSIONAL
LICENSURE: 1. National Board of Examiners: Diplomate 07/01/84 Certificate #274915
2. Medical Licensure: State of Ohio, 03/06/86 License #53315
3. American Board of Orthopaedic Surgery, Certified 07/12/91;
Recertified 01/01/12

OFFICE ADDRESS: Center for Orthopedics & Sports Medicine
Orthopedics, Suite 7200, One Perkins Square, Akron, OH 44308

COLLEGE: University of Notre Dame; Notre Dame, Indiana. (Preprofessional Studies)
Bachelor of Science 1975-1979

MEDICAL
COLLEGE: University of Cincinnati College of Medicine; Cincinnati, OH
Doctorate of Medicine, 1979-1983

Jewish Hospital of Cincinnati; Cincinnati, OH
(General Surgery) 07/01/83-06-30-84

INTERNSHIP: Akron City Hospital/Children's Hospital Medical Center of Akron; Akron, OH
(Orthopedic Surgery) 07/01/84-06/30/88

RESIDENCY: Texas Scottish Rite Hospital for Crippled Children; Dallas, TX
(Pediatric Orthopedic Surgery) 07/01/88-06/30/89

FELLOWSHIP:

HONORS & AWARDS

Cleveland Magazine's Top Doctors List of NE Ohio, August, 2016, August, 2015

Resident Teacher Award, Akron City Hospital, June 1991

Recipient of the "Russell A. Hibbs Award" for 1986, awarded by Scoliosis Research Society. Title of paper: "The Chronic Local Effects of Sublaminal Wires. An Animal Model."

Best Orthopedic Paper, Children's Hospital Medical Center of Akron Postgraduate Day Science Competition. June 18, 1986.

First Place, Children's Hospital Medical Center of Akron Postgraduate Day Science Competition. June 18, 1986.

Recipient of the "Walter A. Hoyt, Sr. Award" for Outstanding Basic Science Research, Akron City Hospital. June 2, 1986.

Graduation with Honors, University of Notre Dame. May 1979.

PROFESSIONAL APPOINTMENTS

Clinical Director, Center for Orthopedics and Sports Medicine, Children's Hospital Medical Center of Akron.

Associate Professor of Orthopedic Surgery, Northeastern Ohio Universities College of Medicine.

Director of Pediatric Orthopedic Education, Children's Hospital Medical Center of Akron.

Attending Pediatric Orthopedic Surgeon, Children's Hospital Medical Center of Akron.

Assistant Director of Pediatric Orthopedics Education & Surgical Training, for orthopedic residents from Akron City Hospital, Akron General Medical Center and Cleveland Clinic.

SOCIETY MEMBERSHIPS

American Academy of Orthopedic Surgery

American Academy of Pediatrics

Akron Pediatric Society

Great Lakes Pediatric Orthopedic Society

Ohio Orthopedic Association

Pediatric Orthopedic Society of North America

Summit County Medical Association

Medical Society of Greater Akron

Notre Dame Orthopedic Society

COMMITTEE APPOINTMENTS

Credentials Committee, Children's Hospital Medical Center of Akron, 2009

NEOUCOM Orthopedic Council, 2002-2005

Medical Staff Executive Committee, Children's Hospital Medical Center of Akron, 1998-1999, 2005, 2006
School Health Services Advisory Board, 2005, 2006
Institutional Review Board, Children's Hospital Medical Center of Akron, 2001
Medical Education Committee, Children's Hospital Medical Center of Akron, 1998 to present
Continuing Medical Education Subcommittee, Children's Hospital Medical Center of Akron
Trauma Committee, Children's Hospital Medical Center of Akron, 1992-1996, 2005, 2006
Northeastern Ohio Universities College of Medicine B.S. /M.D. Program Admissions Interviewer
 1988 to present
Ohio Children's Health Network Contract & Finance Committee, Children's Hospital Medical Center
 Of Akron, 1996-2003
Orthopedic Council, Northeastern Ohio Universities College of Medicine, 1990-2003
Quality Assurance Committee, Children's Hospital Medical Center of Akron, 1989-1999
Pediatric Search Committee, Chairman, Children's Hospital Medical Center of Akron, Fall 1996-1997
Bylaws Committee, Children's Hospital Medical Center of Akron, July 1992-June 1996
Emergency Services Committee, Children's Hospital Medical Center of Akron, 1989-1996
Medical Audio-Visual Committee, Children's Hospital Medical Center of Akron, 1990-1996
Medical Records Committee, Children's Hospital Medical Center of Akron, 1989-1996
Multidisciplinary Clinical Review Subcommittee, Children's Hospital Medical Center of Akron,
 1989-1996
Transport Committee, Children's Hospital Medical Center of Akron, November 4, 1993-1996
Trauma Committee, Chairman, Children's Hospital Medical Center of Akron, 1992-1996
Clinical Services Re-engineering Committee, Children's Hospital Medical Center of Akron, 1994
Rehab Task Group Committee, Children's Hospital Medical Center of Akron, 1993
Medical Research Committee, Children's Hospital Medical Center of Akron, 1986-1987

EDUCATIONAL COURSES & MEETINGS

Reviewer for the Journal of Pediatric Orthopaedics

Reviewer for the Journal of the American Academy of Orthopaedic Surgeons

2017 POSNA Annual Meeting, Barcelona, Spain
 May 2-5, 2017

Orthopedics CME Course, Akron Children's Hospital, Akron, OH
 November 18, 2016

EDUCATIONAL COURSES & MEETINGS, CONT.

Annual Akron Resident Pediatric Review Course, Akron, OH,
 October 14-15, 2016

2016 POSNA Annual Meeting, Indianapolis, IN,

April 27-30, 2016
Osteogenesis Imperfecta: A Clinical Update, Akron Children's Hospital, Akron, OH
 October 30, 2015
2013 POSNA Annual Meeting, Toronto, Canada,
 May 1-4, 2013
Annual Meeting of American Academy of Orthopaedic Surgeons, San Francisco, CA,
 February 7-11, 2012
4th International Congress on Early Onset Scoliosis & Growing Spine, (ICEOS), Toronto, Ontario,
 Canada, November 19-20, 2010
2010 POSNA Annual Meeting, Waikoloa, HI, May 4 – May 7, 2010
2nd International Congress on Early Onset Scoliosis & Growing Spine, Montreal, Quebec,
 November 7-8, 2008
Annual Meeting of American Academy of Orthopaedic Surgeons, San Francisco, CA,
 March 4-7, 2008.
Spinal Deformity: Sharpening Your Surgical Skills, Henderson, NV, May 5-6, 2006
Pediatric Orthopaedic Society of North America Annual Meeting, San Diego, CA, May 2-4, 2006
American Academy of Orthopaedic Surgeons 73rd Annual Meeting, Chicago, IL, March 22-26, 2006
Fall Spine Symposium for 2005, Dallas, TX, October 5 & 6, 2005.
International Pediatric Orthopaedic Symposium, Lake Buena Vista, FL, December 4-8, 2002
11th Annual AOS Meeting, Chicago, IL, November 8 & 9, 2002
ProAssurance Risk Management Education (2002 Malpractice Update), November 1, 2002
 (via CD ROM)
Orthopaedic Symposium, University of Notre Dame, October 4, 2002
24th Annual Brandon Carrell Visiting Professorship, "Segmental Spinal Dysgenesis in a Newborn",
 Dallas, TX, June 21 & 22, 2002
Position of Immobilization for Pediatric Forearm Fractures. Boyer, B.A., Overton, B., Schrader,
 W.C., Riley, P.M., Fleissner, P. JOURNAL OF PEDIATRIC ORTHOPEDICS, 185-7,
 March-April, 2002
**American Physicians Assurance Corp. – Physician Risk Management Seminar, "The Changing
 Face of Professional Liability: Ongoing and Emerging Issues."** Cuyahoga Falls, OH,
 October 16, 2001
Anterior Endoscopic Discectomy, Release and Instrumentation for Scoliosis, Half Moon Bay, CA,
 October 12-13, 2001
Scoliosis Research Society Annual Meeting – "Fundamentals of Spinal Deformity," Cleveland, OH,
 September 19-22, 2001
Pediatric Orthopaedic Society of North America Annual Meeting, Cancun, Mexico, May 1-5, 2001

EDUCATIONAL COURSES & MEETINGS, CONT.

**Joe W. King Orthopedic Institute, ASAMI – North America: "The Limb Lengthening & Reconstruction
 Society's 11th Annual Scientific Meeting**, Berkley, CA, February 26-27, 2001
American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, February 25, 2001
American Academy of Pediatrics Annual Meeting, Chicago, IL, October 27-November 1, 2000
Notre Dame Orthopaedic Society Orthopaedic Symposium, University of Notre Dame, Chicago, IL,

October 6, 2000

AACPDM 54th Annual Meeting, Toronto, Ontario, Canada, September 20-23, 2000

American Academy of Orthopaedic Surgeons Summer Institute, "Current Treatment/Techniques for Athletic Injuries to the Knee," Toronto, Ontario, Canada, September 6-10-2000

Risk Management Seminar – "Under the Microscope: Dissecting the Malpractice Claim," Cleveland, OH, May 25, 2000

21st Annual Orthopaedic Trauma Seminar, Snow Mass Village, CO, February 28-March 2, 2000

Pediatric Orthopaedic Society of North America Annual Meeting, Orlando, FL, May 16-19, 1999

American Academy of Pediatrics Annual Meeting, Washington, DC, October 7-13, 1999

American Academy of Pediatrics Annual Meeting, San Francisco, CA, October 15-19, 1998

Pediatric Orthopedic Society of North America Annual Meeting, Cleveland, OH, May 5-7, 1998

Scoliosis Research Society CME Course on Spinal Deformities, St. Louis, MO, September 23-24, 1997

American Academy of Pediatrics Annual Meeting, New Orleans, LA, November 1-5, 1997

American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, February 13-17, 1997

Total Spine, Cancun, Mexico, February 2-4, 1996

American Academy of Pediatrics Annual Meeting, San Francisco, CA, October 13-15, 1995

Pediatric Orthopaedic Society of North America Annual Meeting, Miami, FL, May 1-4, 1995

Pediatric Orthopaedic Society of North America Annual Meeting, (Care of the Myelo), Memphis, TN May 11, 1994

Brandon Carrell Visiting Professorship, Dallas, TX, April 21-24, 1993

Segmental Spine Instrumentation, Bermuda, July 14-17, 1993

Annual Meeting of American Academy of Orthopaedic Surgeons, San Francisco, CA, February 18-23, 1993

Current & Continuing Problems for the Spine Surgeon, Miami Beach, FL, April 2-4, 1992

Advanced Ilizarov Techniques of the Pediatric Lower Extremity, University of Arkansas College of Medicine, Kiawah Island, SC, October 3-4, 1990

Interpretation of Gait Analysis Data, Children's Hospital of San Diego, CA, September 24-27, 1990

The Chronic Local Effects of Sublaminar Wires. An Animal Model. Schrader, W.C., Bethem, D., Scerbin, V. SPINE, 499-502, May, 1988, 13 (5)

Seminars in Musculoskeletal Pathology, University of Florida, November 3-14, 1986

Annual Meeting of Scoliosis Research Society & British Scoliosis Society, Bermuda, September 21-25, 1986

AO Internal Fixation Course, Davos, Switzerland, December 8-13, 1985

Prosthetics-Orthotics Course, Northwestern University Prosthetic-Orthotic Center, Chicago, IL, March 4-8, 1985

RESEARCH ACTIVITIES

GRANTS

Principal Investigator, Akron City Hospital Foundation Grant No. 52247, "The Chronic Local Effects of Sub laminar Wires. An Animal Model." 1985-1986

Principal Investigator, Children's Hospital Medical Center of Akron Foundation Grant, **"Compartment Pressures in Pediatric Supracondylar Humerus Fractures."**

Contributing Investigator, Texas Scottish Rite Hospital for Children, **"Identification of Genetic Susceptibility in Adolescent Idiopathic Scoliosis."**

PRESENTATION OF SCIENTIFIC PAPERS

Use of a Low Profile Thigh Holder to Facilitate High Tibial Osteotomy for Varus Gonarthrosis.
Ewing, W., Schrader, W.C. CLIN. ORTHOP, 210-11, September 1983, (222)

Avascular Nonunion of a Subtrochanteric Femur Fracture with Formation of a Heterotopic Bone Strut.
Schrader, W.C., Greenberg, B.J. ORTHOPEDICS, 617-20, April, 1987, 10 (4)

Pediatric Orthopedic Society of North America Annual Meeting, Cleveland, OH. May 7, 1998:
"Volar Forearm Compartment Pressure Measurements in Pediatric Supracondylar Fractures."

1989 Brandon Carrell Lectures, Texas Scottish Rite Hospital for Crippled Children, Dallas, TX.
May 25, 1989: **"The Orthopedic Manifestations of Larsen's Syndrome."**

Annual Meeting of the American Academy of Pediatrics, Washington, D.C., November 1-2, 1986:
"Carpal Fractures in Children."

Walter A. Hoyt Jr. Society Annual Meeting, Williamsburg, VA. October 12-14, 1986: **"Carpal Fractures in Children"** and **"The Chronic Local Effects of Sublaminar Wires. An Animal Model."**

Annual Meeting of the Scoliosis Research Society combined with the British Scoliosis Society, Bermuda. September 21-15, 1986: **"The Chronic Local Effects of Sublaminar Wires. An Animal Model."**

PRESENTATION OF SCIENTIFIC PAPERS, CONT.

Children's Hospital Medical Center of Akron Postgraduate Day Science Competition. June 18, 1986:
"Carpal Fractures in Children" and **"The Chronic Local Effects of Sublaminar Wires. An Animal Model."**

Children's Hospital Medical Center of Akron Postgraduate Day Science Competition. June 18, 1986:
"Carpal Fractures in Children" and **"The Chronic Local Effects of Sublaminar Wires. An Animal Model."**

Akron City Hospital Postgraduate Day Science Competition. June 2, 1986: **“The Chronic Local Effects of Sublaminar Wires. An Animal Model.”**

SCIENTIFIC EXHIBITS

Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA.
January 22-27, 1987: **“The Chronic Local Effects of Sublaminar Wires. An Animal Model.”**

RESEARCH IN PROGRESS

1. Identification of Genetic Susceptibility in Adolescent Idiopathic Scoliosis.
2. Compartment pressures in pediatric supracondylar humerus fracture a prospective evaluation. Study completed, to be submitted for publication.
3. Open fractures in children, a retrospective evaluation.
4. Radiographic indicators of resolving hip dysplasia.
5. A prospective evaluation of positioning of distal radius fractures – submitted for publication.
6. Overgrowth in lateral condyle fractures in children.

ABSTRACT

The Chronic Local Effects of Sublaminar Wires. An Animal Model. Schrader, W.C., Bethem, D., Scerbin, V. ORTHOP TRANS, 106, Spring, 1987, 11 (1)

EDUCATIONAL PRESENTATIONS

Weekly conferences and presentations to orthopedic residents and medical students on pediatric Orthopedic and spinal deformity topics
Pediatric Residents Noon Conference, Akron, OH, **Pediatric Spinal Problems: Scoliosis, Kyphosis & Back Pain**, June 19, 2017
Pediatric Orthopaedic Noon Conference, Akron, OH, **Pediatric Spinal Problems: Scoliosis, Kyphosis, Back Pain**, July 17, 2013; March 21, 2012
Sports Medicine Update: Building Young Athletes-Safe and Healthy III Conference, Akron, OH, **MRI vs Bone Scan and the Role of Using Bone Stimulation**, March, 2009
SUMMA Orthopaedic Surgery Training Program, Akron, OH, **Scoliosis: Etiology and Pathophysiology**, February, 2008

26th Annual Congress for National Association of Orthopedic Nurses, Boston, MA. **Osteogenesis Imperfecta**, May, 2006

SUMMA Hospital Nurses, Akron, OH. **Fragile Bones in Children**, April 29, 2006

Fall Spine Symposium for 2005, Dallas, TX, **Juveniles with Scoliosis and Rib Fusions Case Management Advice**, October, 2005

Grand Rounds, Children's Medical Center of Akron, Akron, OH, Combined Pediatric Spine Conference. **Spinal Deformities in Children**, September 28, 2004

Grand Rounds, Children's Medical Center of Akron, Akron, OH, Pediatric Spine Conference. **Back Pain in Children**, May 11, 2004

NAON, Akron, OH. **Anterior Thoroscopic Surgery**, March 2004

Citywide Orthopedic Basic Science Lecture, Akron, OH. **Scoliosis Pathophysiology**, October, 2003

23rd Annual Congress for National Association of Orthopaedic Nurses, Orlando, FL. **Extremity Trauma in Children**, May 20, 2003

NAON, Orlando, FL. **Pediatric Fractures**, May, 2003

Grand Rounds, Children's Medical Center of Akron, Akron, OH. **The Limping Child**, November 15, 2002

National Association of Orthopaedic Nurses Greater Chapter of Akron, The Orthopaedic Nurses Seminar, Orthopaedic Trauma, Akron General Medical Center, Akron, OH. **Extremity Trauma in Children**, March 31, 2001

Northeastern Ohio Universities College of Medicine, Rootstown, OH. **Back & Spine Problems in Children & Adolescents**, March 10, 1999

Ohio Chapter National Association of Pediatric Nurse Associates & Practitioners Conference, Akron, OH. **Flat Foot, Curved Spine, Pigeon Toes, Knock Knee, Funny Looking Bones – Can You Help Me?**, April 17, 1998

Fourth Annual Functional Approach to Primary Care Sports Medicine, Akron Health & Wellness Center, Akron, OH. **Boney Injuries to the Pediatric & Adult Elbow**, December 6, 1997

American Academy of Pediatrics Annual Meeting, New Orleans, LA. **Symposium on Children's Fractures**, November 1-5, 1997

Notre Dame Orthopaedic Symposium. **Adolescent Back Pain**, October 17, 1997

Scoliosis Update Conference, Barberton Citizens Hospital, Barberton, OH. June 24, 1997

EDUCATIONAL PRESENTATIONS, CONT.

West Side Family Practice Center, Resident Education, Akron, OH. **Scoliosis**, April 22, 1997

National Association of Orthopaedic Nurses Meeting, Ramada Inn Downtown, Akron, OH. **Non-accidental Trauma**, November 1, 1996

Barberton Citizens Hospital, CME Presentation, Barberton, OH. **Hip Dysplasia**, May 8, 1996

Children's Hospital Medical Center of Akron, Trauma Symposium, Akron, OH. **Orthopedic Extremity Injuries**, May 9, 1995

Children's Hospital Medical Center of Akron, Trauma Symposium, Akron, OH. **Orthopedic Extremity Injuries**, May 9, 1995

Children's Hospital Medical Center of Akron, Trauma Symposium, Akron, OH. **Orthopedic Extremity Injuries**, May 9, 1995

Akron General Medical Center, Akron, OH. **Pediatric Spine Deformity, Current Trends, Diagnostic Treatment, Surgical Treatment**, April 16, 1994

Program Director & Presenter, Trauma Conference, Children's Hospital Medical Center of Akron, Evaluation, Transport & Management Of Pediatric & Adolescent Trauma, Akron, OH.
Spinal, Pelvis & Musculoskeletal Trauma, October 6, 1993
National Association of Orthopaedic Nurses Akron Chapter, Akron, OH. **Pediatric Fractures**, December 9, 1992
Akron City Family Practice Center Residency Program, Akron, OH. **Basics of Pediatric Fractures**, September 10, 1992
Invited Speaker, Ian McNab Club 18th Annual Meeting. **Nutrition in Spinal Surgery**, September 13, 1991
Grand Rounds, Children's Hospital Medical Center of Akron, Akron, OH. **Leg Lengthening 1991 – The Long and Short of It**, August 2, 1991
Children's Hospital Medical Center of Akron, Surgical Services Perioperative Update, Akron, OH. **The Texas Scottish Rite Hospital Spinal System**, July 18, 1991
Akron City Family Practice Residency Program, Akron, OH. **Pediatric Foot Disorders**, September 20, 1990
Ohio Academy of Family Physicians 40th Annual Scientific Assembly, Cleveland Chapter, Cleveland, OH. **Foot Problems in Children**, August 11, 1990
Guest Speaker, National Association of Orthopaedic Nurses Greater Cleveland Chapter, Cleveland, OH. **Orthopedic Aspects of Child Abuse**, May 23, 1990
Faculty, Conference of Ilizarov Techniques (Sponsored by Richards Biomedical), Cleveland, OH. **Biophysiology of Distraction Osteogenesis**, April 27, 1990
Faculty, Conference of Ilizarov Techniques (Sponsored by Richards Biomedical), Cleveland, OH. **Biophysiology of Distraction Osteogenesis**, April 27, 1990
Foot and Ankle Symposium for Primary Care Physicians, Akron General Medical Center, Akron, OH. **Pediatric and Adolescent Foot Disorders**, April 11, 1990
Annual Meeting, Great Lakes Pediatric Orthopedic Society, Cleveland, OH. **The Orthopedic Manifestations of Larsen's Syndrome**, April 7, 1990
St. Thomas Hospital Family Practice Orthopedic Society, Akron, OH. **Pediatric and Adolescent Back Pain**, March 2, 1990

EDUCATIONAL PRESENTATIONS, CONT.

Summit County Coaches and Trainers Seminar. **Orthopedic Injury Management**, January 29, 1990
Grand Rounds, Children's Hospital Medical Center of Akron, Akron, OH. **Current Concepts in Scoliosis**, December 15, 1989
Barberton Citizens Hospital Family Practice Residency Program, Barberton, OH. **Pediatric Lower Extremity Disorders**, October 6, 1989
Akron General Medical Center Family Practice Residency Program, Akron, OH. **Congenital Dislocation of the Hip and Torsional Deformities of the Lower Extremity**, September 27, 1989
Disabilities and Risk Factors From Birth, Influences on Developmental Health Training Workshop, Sponsored by Kent State University, Kent, OH. **Orthopedic Management of Children with Neurologic Disorders**, July 28, 1989

PUBLICATIONS

An international meta-analysis confirms the association of BNC2 with adolescent idiopathic scoliosis Ogura Y, Takeda K, Kou I, et al. (Schrader W, collaborator). .
Sci Rep. 2018 Mar 16;8(1):4730. Doi: 10.1038/s41598-018-22552-x. PMID: 29549362

An Operative Approach to Address Severe Genu Valgum Deformity in the Ellis-van Creveld Syndrome. Weiner, DS, Tank JC, Johah D, Morscher MA, Krahe A, Kopits S, Schrader WC.
J Child Orthop. 2014 Feb; 8(1); 61-9. Doi: 10. 107/s11832-014-0552-9.

A Prospective Comparison of Computer-Navigated and Fluoroscopic-Guided in Situ Fixation of Slipped Capital Femoral Epiphysis, Bono KT, Rubin MD, Jones KC, Riley PM, Ritzman TF, Schrader WC, Fleissner P, Steiner RP, Morscher MA, Adamczyk MJ.
J Pediatric Orthop. 2013 Mar;33(2):128-34. Doi: 10.1097/BPO.0b013e318274561b.

Position of Immobilization for Pediatric Forearm Fractures.
Boyer BA, Overton B, Schrader WC, Riley P, Fleissner P.
J Pediatr Orthop. 2002 Mar-Apr;22(2): 185-7.

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