

June 18, 2021
CURRICULUM VITAE

A. Personal Information:

Name in Full	David Lee Skaggs, M.D., M.M.M.
Academic Appointment	Professor with Tenure Department of Orthopaedic Surgery University of Southern California Keck School of Medicine
Position	Chief of Orthopedic Surgery Director of Spine Surgery Children's Hospital Los Angeles
Endowed Chair	Children's Hospital Associates and Affiliates Endowed Chair of Pediatric Spinal Disorders
Business Address	Children's Hospital Los Angeles Division of Orthopaedic Surgery 4650 Sunset Blvd., Mailstop #69 Los Angeles, CA 90027
Business Phone	(323) 669-4658
Business Fax	(323) 666-4409
Place of Birth	Boston, Massachusetts
Citizenship	United States

B. Education

High School	Cedar Ridge High School, Old Bridge, NJ
College or University	Amherst College, Amherst MA BA in Neuroscience BA in Psychology, 1985
Medical School	Columbia University College of Physicians and Surgeons New York, NY 1989
Business School	Marshall School of Business University of Southern California

	Masters of Medical Management, 2006
Additional Training	Leader as Coach, USC, 2017
Internship	Columbia-Presbyterian Medical Center New York NY, July 1989 - June 1990
Residency	Columbia-Presbyterian Medical Center New York, NY, July 1990-June 1994 Harold M. Dick Chairman
Fellowships	1) Pediatric Orthopaedic Fellowship August 1994 - July 1995 University of Southern California Childrens Hospital Los Angeles, Los Angeles, CA Vernon T. Tolo, M.D., Director 2) Frank E. Stinchfield Orthopaedic Research Fellowship, July 1991 - June 1992 Columbia University, New York, NY Van C. Mow, Ph.D., Director
Licensure	California, 1994
Board Certification	Diplomat of the American Board of Orthopaedic Surgery, 1998 Recertification January 1, 2019-December 31, 2028
Honors and Awards	
	Eagle Scout
	NCAA All-American, 400M hurdles
	Sandoz Award, 1989 Columbia University College of Physicians and Surgeons. Given to one medical student in the graduating class for excellence in medical research.
	Rosamond Kane Award, 1994 Columbia University College of Physicians and Surgeons, Department of Orthopedics. Given for excellence in orthopedic research and clinical acumen in the care of children.

Pediatric Orthopedic Society of North America Young Investigator Award, 2000
Competitive award based on past research and proposal for future study.

Pediatric Orthopedic Society of North America Traveling Fellowship, 2002.

American-British-Canadian Traveling Fellow American Orthopedic Association, 2003.

Marc A. Asher Clinical Scientific Paper Award – presented for the outstanding clinical scientific paper at the Annual Meeting of the Pediatric Orthopaedic Society of North America, 2004, “Botulinum Toxin as an Adjunct to Serial Casting in Children with Cerebral Palsy”.

Best Spine Poster, Galveston Fixation in Neuromuscular Scoliosis: The Gold Standard for New Instrumentation to Beat, American Academy of Orthopaedic Surgeons, Washington DC, February 23-27, 2005.

Robert N. Hensinger Clinical Scientific Paper Award – presented for the outstanding clinical scientific paper at the Annual Meeting of the Pediatric Orthopaedic Society of North America, 2005. “Volume of Scoliosis Surgery Among Surgeons with Spine versus Pediatric Orthopaedic Fellowship Training in the States of New York and California”.

Best Poster, "Some Connectors Fail More Than Others", 4th Annual International Congress on Early Onset Scoliosis and Growing Spine, Orlando, Florida, Nov 18-19, 2011.

Best Paper, “Law of Diminishing Returns” 3rd International Congress on Early Onset Scoliosis and Growing Spine, November 2011, Istanbul, Turkey.

First Place, Best Abstract and Poster Award,
Ibrahim DA, Myung KS, Skaggs DL. Ten Percent of Patients with AIS Have an Abnormal Number of Thoracic or Lumbar Vertebrae: a Red Flag for Wrong Site Surgery.
17th Annual Saban Research Institute Poster Session, Los Angeles, CA. 4 Jun 2012.

Best Doctors, Pasadena Magazine, 2009-present

Marquis Who’s Who in America, 2005- present

Top Doctors in America, 2012- present

Best Doctors in America, 2005- present

Orthopedics This Week "Top U.S. Pediatric Orthopedic Surgeons", 2014-2015

Becker's Spine Review list of "50 Spine Surgeons Focusing on Scoliosis Development." 2013

Top 17 U.S Pediatric Orthopedic Surgeons, *Orthopedics This Week*, 2013

Los Angeles Magazine, 2013-present, Southern California Super Doctors.

Best Paper, International Congress of Early Onset Scoliosis.
"The Classification for Early Onset Scoliosis Identifies Patients at Higher Risk for Complications at 5 years of Follow Up", 2013.

Best Poster, "Anterior Humeral Line in Normal Elbows", Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, NV, March 24-28, 2015.

Verapoh Yerapeh ("...and he shall heal.") award, Bikur Cholim, Los Angeles, CA, Sept. 7, 2015.

Best Pediatric Paper, Orthopaedic Trauma Association Annual Meeting
"Delayed Unions and Functional Outcomes of Pediatric Lateral Condyle Humerus Fractures: A Prospective Study", 2018

C. Professional Background:

Academic Appointments:

Professor with Tenure of Orthopaedic Surgery, University of Southern California-Keck School of Medicine, 2009-present.

Associate Professor of Orthopaedic Surgery,
University of Southern California-Keck School of Medicine, 2002-2009.

Assistant Professor of Orthopaedic Surgery, University of Southern California-Keck School of Medicine, 1996-2002

Assistant Professor, Division of Orthopaedic Surgery, University of Alabama School of Medicine, 1995-96

Teaching responsibilities:

Fellowship Director, Division of Orthopedic Surgery, Childrens Hospital Los Angeles, 2008-present.

Residency Director, Division of Orthopedic Surgery, Childrens Hospital
Los Angeles, 2000-2008
Director of required clinical clerkship for third and fourth year medical
students in pediatric orthopedic surgery, 1996-2000
Director of pediatric orthopedics lecture and laboratory for second year
medical students, 1996-2000

Administrative responsibilities:

Associated Programs Committee, University Childrens Medical Group,
2000-2015
Nomination Committee, University Childrens Medical Group, 2000
Ambulatory Care Committee, Childrens Hospital Los Angeles, 1998-
2005
Director, Congenital Scoliosis and Chest Wall Deformity Program,
Children's Orthopedic Center, Childrens Hospital Los Angeles, 2001-
present.
Director of Spine Surgery, Children's Orthopaedic Center, Childrens
Hospital Los Angeles, 2001-present.
Special Task Force on Clinical Research, Childrens Hospital Los Angeles,
2001-2008
Task Force on Operating Room Services, Childrens Hospital Los Angeles,
2001
Chairman, Operating Room Committee, Childrens Hospital Los Angeles,
2002-2005
Associate Director, Children's Orthopaedic Center, Childrens Hospital Los
Angeles, 2002-2009.
Director, Children's Orthopaedic Center, Childrens Hospital Los Angeles,
2009-present.
Peri-operative Services Committee, Childrens Hospital Los Angeles, 2005-
2010.
Turnaround Performance Team: Non-Reimbursable Surgical Services,
Childrens Hospital Los Angeles, 2006-2009.
Children's Hospital Los Angeles, Board of Directors Finance Committee,
2007-2009.
Executive Steering Committee for Price Waterhouse Consultation, 2010-
2014.
Steering Committee, "USC/CHLA Center for Technology and Innovation in
Pediatrics, 2011-present.
Children's Hospital Medical Group Contracting Committee, 2006-2017.
Children's Hospital Los Angeles, Board of Directors, Development
Committee, 2014-2020.
Children's Hospital Los Angeles, CEO Search Committee, 2015.
Children's Hospital Los Angeles, CMO Search Committee, 2017.
Children's Hospital Los Angeles, Perioperative Executive Committee, 2020.

National Committees

Pediatric Orthopedic Society of North America, Trauma Committee, 2001-2002, Committee Chair.

Pediatric Orthopedic Society of North America, Long Range Planning Committee, 2003-2005.

Pediatric Orthopedic Society of North America, One-Day Course Committee, 2003-2006.

American Academy of Orthopedic Surgeons Committee on Complimentary and Alternative Medicine, 1999-2001

American Academy of Orthopedic Surgeons, Academic Business and Practice management Committee, 2002-2006.

Pediatric Orthopedic Society of North America, Health Care Delivery Council, 2003-2004.

Pediatric Orthopedic Society of North America, Ad Hoc Committee on Spinal Deformity, 2004-2008.

Pediatric Orthopedic Society of North America, Spine Session, Committee Chair, 2005.

Scoliosis Research Society, Program Committee, 2004-2007.

Scoliosis Research Society, SRS-Spine Liaison Committee, 2004-2007.

Pediatric Orthopaedic Society of North America, Council on Education, 2005-2006.

Chairman, Pediatric Orthopedic Society of North America, One-Day Course Committee, 2005-2006.

Scoliosis Research Society, Awards and Scholarship Committee, 2006- 2007.

Scoliosis Research Society, Education Council, 2006-2007.

Chairman, Scoliosis Research Society, Program Committee, 2006-2007.

Scoliosis Research Society, CME Committee, 2006-2007

Pediatric Orthopaedic Society of North America, Membership Committee, 2006-2010.

Pediatric Orthopaedic Society of North America, By-Laws Committee, 2006-2010.

Scoliosis Research Society, Growing Spine Study Group Task Force, 2008-2009.

Scoliosis Research Society, Growing Spine Committee, Chair Elect, 2012.

International Congress on Early Onset Scoliosis, Program Committee, 2009-2015.

International Congress on Early Onset Scoliosis, Program Chair, 2012-2014.

Scoliosis Research Society, Growing Spine Committee, Chair, 2013-2014.

International Congress on Early Onset Scoliosis, Program Committee, 2012-2015

National Leadership Positions

Board of Directors, Pediatric Orthopedic Society of North America, 2002-2003.
Executive Committee, Section on Orthopaedics, American Academy of Pediatrics, 2002-2005.
Secretary, Board of Directors, Pediatric Orthopedic Society of North America, 2006-2010.
Professional Advisory Board, Scoliosis Association, Inc, 2008-present.
Executive Committee, Growing Spine Study Group, 2008-2020.
Secretary and Board of Directors, Growing Spine Foundation, 2010-present.
Board of Directors, Scoliosis Research Society, 2015-2018.
Executive Committee, Pediatric Spine Study Group, 2019-present.
Vice-President (Presidential Line) Pediatric Spine Study Group, 2020.

Other Leadership Activities

Mentor, Pediatric Orthopaedic Society of North America, 2018-Present.
Mentor, USC, Marshall School of Business, Masters of Medical Management, 2018-2020.
Faculty, USC/CHLA Health Care Leadership Academy, 2018-Present.

Advisory Boards

Scoliosis Society of Orange County, a chapter of the scoliosis association, inc.
Scoliosis Society of Los Angeles, a chapter of the scoliosis association, inc.
Performance Advisory Board, Beachbody (P90X, Insanity, etc) (2012-2013)
Harvard-Westlake Center for Sports Science (2012-present)
Medtronic Strategic Advisory Board (2012 – 2015)
ZimmerBiomet Strategic Advisory Board (2015-present)

Course/Conference Chairperson

1. American Academy of Pediatrics, National Conference and Exhibition, “Preventive Pediatric Orthopedics”, San Francisco, October 25, 2001.
2. American Academy of Pediatrics, National Conference and Exhibition, “The Office Orthopedic Exam”, Boston, MA, October 20, 2002.
3. American Academy of Orthopedic Surgeons, Symposium “Staying out of Trouble with Your Pediatric Patients”, 70th Annual Meeting, New Orleans, Louisiana, February 5-9, 2003.
4. American Academy of Orthopedic Surgeons, Instructional Course Lecture, “Staying out of Trouble with Your Pediatric Patients”, 71 Annual Meeting, San Francisco, CA, March 10-14, 2004.

5. "Pearls and Pitfalls in the Early Diagnosis of Children's Orthopaedic Disorders" American Academy of Pediatricians, National Conference and Exhibition, San Francisco CA, October 9&10, 2004.
6. American Academy of Orthopedic Surgeons, Symposium "Staying out of Trouble with Your Pediatric Patients", 71st Annual Meeting, Washington DC, Feb 24, 2005.
7. Spinal Deformity: Current Techniques and Advances in the Use of Thoracic Pedicle Screws. Course Chairman. Phoenix, Arizona, April 29-30, 2005.
8. Pediatric Orthopaedic Society of North America, First Annual Spine Session, Ottawa, CA, May 13, 2005.
9. Advanced Techniques in Deformity Surgery for Pediatric Spine Surgeons. Phoenix, AZ, February 18, 2006.
10. Pediatric Orthopedic Society of North America, One-Day Course, "Complications in Pediatric Orthopaedic Surgery", May 3, 2006
11. Advanced Techniques in Deformity Surgery for Pediatric Spine Surgeons. Phoenix, AZ, February 23-25, 2007.
12. Advanced Techniques in Deformity Surgery for Pediatric Spine Surgeons. Los Angeles, CA, Feb 15-16, 2008
13. Spine Problems in Young Athletes, Symposium, American Academy of Orthopaedic Surgeons 75th Annual Meeting, San Francisco, CA, March 6, 2008.
14. Advanced Techniques in Deformity Surgery for Spine Surgeons Philadelphia, PA, February 20-21, 2009
15. Spine Problems in Young Athletes, Instructional Course Lecture, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV, Feb 26, 2009.
16. New Techniques in Deformity Treatment Symposium, Aalborg, Denmark, August 20, 2009.
17. Advanced Techniques in Deformity Correction, Las Vegas, Nevada, November 6, 2009.
18. Instructional Course Lecture: Spine Problems in Young Athletes, American Academy of Orthopaedic Surgeons, 2010 Annual Meeting, New Orleans, LA, March 12, 2010.

19. 1st Annual Southwest Spinal Deformity Meeting, San Diego, CA. July 16-17, 2010.
20. Current Controversies in Spinal Deformity Surgery, Las Vegas, NV, November 5, 2010.
21. Course Chairman, Orthopaedic Review Course, American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, Ca, February 18, 2011. (575 attendees)
22. Course Chairman, Current Controversies in Spinal Deformity, Las Vegas, NV, Oct 8, 2011.
23. Co-Chairman, 4th Annual International Congress on Early Onset Scoliosis and Growing Spine, Orlando, Florida, Nov 18-19, 2011.
24. Course Chairman, Orthopaedic Review Course. American Academy of Orthopaedic Surgeons, Annual Meeting, San Francisco, CA, Feb 10, 2012.
25. Co-Chairman, Complications in Pediatric Spinal Deformity, Park City, Utah, March 2-3, 2012.
26. Course Chairman, Spine Break-Out Session, Pediatric Orthopaedic Society of North America, Annual Meeting, Denver, CO, May 17-19, 2012.
27. Course Chairman, Thoracic Realignment Procedural Insights and Application Workshop, Chicago, Illinois, Sept 6, 2012.
28. Course Chairman, Innovative Solutions for Spinal Deformity – Addressing Surgical Complications, Memphis, TN, Sept 20 & 21, 2012.
29. Course Chairman, Deformity Symposium, Las Vegas, NV, November 9, 2012.
30. Course Co-Chairman, 6th International Congress on Early Onset Scoliosis and Growing Spine (ICEOS), November 15-16, 2012, Dublin, Ireland
31. Course Chairman, Orthopaedic Review Course. American Academy of Orthopaedic Surgeons, Annual Meeting, Chicago, Illinois, March 23, 2013. (Largest course put on by the Academy)
32. Course Chairman, Spinal Column Realignment for Adolescent Deformity. New Orleans, LA. May 17 & 18, 2013.
33. Program Chair, 7th International Congress on Early Onset Scoliosis and Growing Spine, Rancho Bernardo, CA. November 21-22, 2013.

34. Course Chairman, Orthopaedic Review Course, American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, March 15, 2014.
35. Co-Chairman, "Current Techniques in Spinal Deformity Surgery", Las Vegas, NV, March 22 & 23, 2014.
36. Course Chair, "Early Onset Scoliosis", Half Day Course, 49th Annual Meeting, Scoliosis Research Society, Anchorage, Alaska, Sept 10-13, 2014.
37. Course Chair, "Conservative Treatment of Scoliosis", Children's Hospital Los Angeles, Los Angeles, CA, Feb 4, 2017.
38. Course Chair, "Do Not Fear Elbow Fractures in Kids", Instructional Course Lecture, Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, May 15-18, 2017.
39. Course Chair, "Conservative Treatment of Scoliosis", Children's Hospital Los Angeles, Los Angeles, CA, February 24, 2018.
40. Course Chair, "Do Not Fear Elbow Fractures in Kids", Instructional Course Lecture, Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, March 6-9, 2018.
41. Course Co-Chair, Current Techniques in Pediatric Spinal Deformity Surgery, Columbia University, Morgan Stanley Children's Hospital, New York City, March 16, 2018.
42. Course Chair, "Leveraging Your Team and Maximizing Outcomes in Pediatric/AIS Deformity Correction", November 8-9, 2019, Santa Monica/Marina Del Rey, CA.

D. Society Memberships:

Fellow of the American Academy of Orthopaedic Surgeons, 1999-present
Fellow of the American Academy of Pediatrics, 1999-present
Pediatric Orthopedic Society of North America, 1999-present
American Orthopaedic Association, 2005-present
Scoliosis Research Society, 1998-present
Honorary Member, Brazilian Pediatric Orthopaedic Society, 2009-present
Growing Spine Study Group, 2007-present

E. Other Memberships:

Salt Air Club, 1999-present
Los Angeles Tennis Club, 1997-present
Wilshire Country Club, 2014-present

Visiting Professor:

1. Ray A. Kroc Visiting Professorship in Pediatrics, University of New Mexico School of Medicine, 1999.
2. Columbia University College of Physicians and Surgeons, Department of Orthopedic Surgery, January 17 and 18, 2002
3. State Research Center on Maternal and Child Health, Ulaanbaatar-24, Mongolia. July, 2002.
4. Orthopedic, Traumatology and Research Center of Mongolia, Ulaanbaatar –23, Mongolia, July, 2002.
5. University of Utah School of Medicine, Department of Orthopedic Surgery, Performed first Titanium Rib Implant in Utah. May, 2002
6. State Research Center on Maternal and Child Health, Ulaanbaatar-24, Mongolia. Sept, 2003.
7. Orthopedic, Traumatology and Research Center of Mongolia, Ulaanbaatar –23, Mongolia, Sept, 2003.
8. Gillette Children’s Specialty Care and Shriners Hospital for Children. St. Paul, Minnesota, October 3, 2003.
9. Ray A. Kroc Visiting Professorship in Pediatrics, University of New Mexico School of Medicine, November 19-21, 2003.
10. Department of Orthopedic Surgery, University of New Mexico School of Medicine, Albuquerque, New Mexico, November 12-20, 2003
11. Childrens Memorial Hospital, Northwestern University School of Medicine, Chicago, Illinois, November 8, 2004.
12. Cincinnati Childrens Hospital, University of Cincinnati School of Medicine, Cincinnati, Ohio, January 25-26, 2005.
13. Denver Childrens Hospital, University of Colorado School of Medicine, Denver Colorado, April 1&2, 2005.
14. University of Wisconsin at Madison, Department of Orthopaedic Surgery, Madison, Wisconsin, August 25, 2005.

15. St. Josephs Hospital, Phoenix, AZ, January 20, 2006.
16. The Hospital for Sick Children, University of Toronto, Toronto, Ontario, Canada, January, 27, 2006.
17. Arnold Palmer Hospital for Children, Orlando, Florida, May 2, 2006.
18. Harvard University, Boston Childrens Hospital, Boston, MA, May 30-31, 2006.
19. British Society for Children's Orthopaedic Surgery, The David Trevor Lectureship, Feb 28-March 2, 2007.
20. University of California at San Francisco, San Francisco, CA, March 20-21, 2007.
21. 35th Annual Shriners Pediatric Orthopaedic Lectureship, The University of Texas medical Branch at Galveston and Shriners Hospitals for Children-Houston. April 19-20, 2007.
22. The 14th Annual John M. Roberts Visiting Professorship, Childrens Hospital of New Orleans, New Orleans, LA, May 11, 2007.
23. The 3rd Annual Millar Visiting Professorship, Chicago Shriners Hospital, Chicago, IL, May 9, 2008.
24. Brazilian Pediatric Orthopaedic Society, Congress of Pediatric Orthopaedic Trauma, Belo Horizonte, Brazil, May 29-30,2009.
25. "New" 2nd Annual Pediatric Orthopedic Visiting Professorship, Department of Orthopedics and Sports Medicine, Seattle Children's Hospital, January 21, 2011.
26. Columbia University, College of Physicians and Surgeons, New York, New York, Jan, 26, 2012.
27. Stanford University, Eugene Bleck Visiting Professorship, Palo Alto, CA, Oct 15&16, 2013.
28. University of Connecticut, Connecticut Children's Hospital, Hartford, CT, Nov 14 & 15, 2013.
29. University of Utah, Department of Orthopaedic Surgery, Salt Lake City, UT April 14-15, 2015.
30. University of North Carolina at Chapel Hill, Raney Visiting Professorship In Orthopaedics, Chapel Hill, North Carolina, May 14-16, 2015.
31. Carolinas Medical Center/Orthocarolina, Charlotte, NC, Jan 17&18, 2016.

32. Yale University School of Medicine, New Haven, CT, Nov 3&4, 2016.
33. Children's Hospital of Philadelphia, University of Pennsylvania School of Medicine, Philadelphia, PA. June 6&7, 2019.
34. Department of Orthopaedic Surgery, Children's Hospital of Nanjing, Nanjing Medical University, August 19-21, 2019.
35. Cleveland Clinic and Akron Children's Hospital, Cleveland, OH, September 3 & 4, 2019.
36. Xi'an Jiatong University, Honghui Hospital, Xi'an, China, October 10-12, 2019.
37. Virtual Visiting Professor, Covid Era, Dupont Institute, April 24, 2020.

Journal Reviewer:

Journal of Bone and Joint Surgery, 2003-2008
 Health Affairs 2003
 Spine 2000-present
 American Family Physician 1999-2010
 Journal of Pediatric Orthopedics 2004-present

Editorial Board

American Academy of Pediatrics, *Pediatrics in Review*, 2001-2007
 International Editorial Board of the Journal of Children's Orthopaedics, 2006-present.
 Founding member of *Spinal Deformity*, Journal of the Scoliosis Research Society, 2003-present. Deputy Editor, 2017-present.
Orthopedics Today, most widely read independent monthly newspaper in orthopaedic surgery, mailed to all 28,000 orthopedic surgeons in the U.S., 2017-present.
Co-Editor in Chief, Orthobullets, most popular educational website in Orthopedic Surgery. 2017- present

Textbooks – Primary Author/Editor

1. Tolo, Vernon T.; **Skaggs, David L.** Masters Techniques in Pediatric Orthopaedic Surgery. Philadelphia: Lippincott, Williams & Wilkins, 2008.
2. Beaty, J; Kasser, J; **Skaggs, David L.**; Flynn, J; Waters, P (eds) Rockwood and Wilkins Fractures in Children, Philadelphia, Lippincott, Williams & Wilkins, 2010.
3. Flynn, J; **Skaggs, David L.**; Waters, P (eds) Rockwood and Wilkins Fractures in Children, 8th Edition, Philadelphia, Lippincott, Williams &

Wilkins, 2014.

4. **Skaggs, David L.** ; Kocher, M. Masters (eds) Techniques in Orthopaedic Surgery: Pediatrics, 2nd Ed. Philadelphia: Lippincott Williams & Wilkins, 2016.
5. Waters, P; **Skaggs, David L.**; Flynn, J (eds) Rockwood and Wilkins Fractures in Children, 9th Edition, Philadelphia, Lippincott, Williams & Wilkins, 2019.
6. **Skaggs, David L.**; Flynn, John M. Staying Out of Trouble in Pediatric Orthopaedics, 2nd Edition, Philadelphia: Lippincott Williams & Wilkins, 2020.

Textbooks – Section Editor

AAOS Comprehensive Orthopaedic Review, Ed. Lieberman JR, Pediatric Section Editors, Kay, RM, **Skaggs, DL**, American Academy of Orthopedic Surgeons, Rosemont, Illinois, 2009

F. Research Activities:

Majors Areas of Research Interest include the treatment of thoracic insufficiency syndrome with thoracic expansion, pediatric orthopedic trauma, the care of spinal deformity in children, and public policy affecting the orthopedics in children.

Grants

1. Botulinum Toxin as an Adjunct to Serial Casting in Children with Cerebral Palsy. \$121,295
Allergan, Inc, 1998, Co-principal Investigator
2. Unrestricted grant in pediatric orthopedic research and clinical care. \$9,750
Desert Golf Classic at Rancho Mirage
1999, Principal Investigator
3. Use of Osteofil bone paste in Spinal Fusions. \$15,000
Sofamor Danek
2000, Principal Investigator
4. Semi-rigid fiberglass in treatment of clubfeet. \$9,000
3M Corporation
2000, Co-principal Investigator
5. Non-invasive Halo in Children \$6,000

United States Manufacturing Company
2001, Principal Investigator.

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| 6. | Unrestricted grant for pediatric orthopaedic research
Pediatric Orthopedic Society of North America,
Young Investigator Award
2000, Principal Investigator | \$5,000 |
| 7. | Bone Growth, Mechanical Stimulus and IGF-1
U.S. Army Medical Research and Material Command.
PI: Vicente Gilsanz, Co-investigator: David L. Skaggs.
September 2001-October 2006. | \$1,481,886 |
| 8. | Spinal Instrumentation Failure
Depuy-Acromed
2003, Principal Investigator | \$15,000 |
| 9. | Anterior Vs. Posterior Instrumentation
Depuy Spine
2003, Principal Investigator | \$15,000 |
| 10. | Pelvic Fixation in Neuromuscular Scoliosis
Depuy Spine
2003, Principal Investigator | \$15,000 |
| 11. | Synthes Spine, Titanium Rib Prosthesis R&D
2003-2006 | \$24,000/year |
| 12. | Stryker Spine, Vitallium Wires in Spinal Deformity
2006 | \$15,000 |
| 13. | Orthopaedic Research & Education Foundation, Improving the Evidence - A
Clinical Trial for Early Onset Scoliosis
July 1, 2011-June 30 th , 2012, Co-Project Director | \$49,809 |
| 14. | Orthopaedic Research & Education Foundation, OREF Scientific
Forum/Spine Care Grant for Growing Spine Study Group
July 1, 2011-June 30 th , 2012, Co-Investigator | \$25,000 |
| 15. | Orthopaedic Research & Education Foundation, OREF Scientific
Forum/Spine Care Grant.
Standardizing Documentation and Classification of Complications Associated
with Growing Spine Instrumentation
July 1, 2011-June 30 th , 2012, Co-Investigator | \$12,500 |
| 16. | Orthopaedic Research & Education Foundation Spine Fellowship grant | |

August 1, 2012-July 31, 2013	\$34,324
17. POSNA Globus Spinal Deformity Research Grant – Co-Investigator March 2013	\$30,000
18. Scoliosis Research Society, Co-Investigator, The Effect of Spinopelvic Parameters on the Development of Proximal Junctional Kyphosis in Early Onset Scoliosis. June 1, 2015	\$9,665
19. Omega Educational Grants for Pediatric and Spine Fellowships. 2015-2016 academic year	\$39,000
20. Ellipse Technoloiges Grant, Co-Investigator, Magnetically Controlled Growing Rods vs. Traditional Growing Rods: A Prospective Comparison of Health-Related Quality of Life July 2015 – April 2019	\$138,768
21. Omega Educational Grants for Pediatric and Spine Fellowships. 2016-17 academic year	\$18,000
22. Omega Educational Grants for Pediatric and Spine Fellowships. 2017-18 academic year	\$18,000
23. Omega Educational Grants for Pediatric and Spine Fellowships 2018-2019 academic year	\$13,000
24. Omega Educational Grants for Pediatric and Spine Fellowships 2019-2020 academic year	\$13,000
24. Omega Educational Grants for Pediatric and Spine Fellowships 2020-2021 academic year	\$26,000

BIBLIOGRAPHY

PEER REVIEW

2,219 Citations as of Feb 9, 2020 Mendeley/Elsevier

1. **Skaggs DL**, Weidenbaum M, Iatridis JC, Ratcliffe A, Mow VC.
Regional variations in the tensile properties and biomechanical composition of human
annulus fibroses.
Spine 19(12):1310-1319, 1994.
2. **Skaggs DL**, Warden WH, Mow VC.
Structure and function of radial tie fibers in the bovine medial meniscus.

- J Orthop Res 10(2):176-185, 1994.
3. **Skaggs DL**, Grelsemar RP.
Use of a sheathed knife in hip arthroscopy.
Orthop Rev 22(10):1171, 1993.
 4. **Skaggs DL**, Tolo VT
Legg-Calvé-Perthes Disease.
J Am Acad Orthop Surg 4:9-16, 1996.
 5. **Skaggs DL**, Bassett GS.
Adolescent Idiopathic Scoliosis: Update for the nineties.
Am Fam Phys 53:2327-2334, 1996
 6. **Skaggs DL**, Kaminsky C, Eskander-Rickars E, Tolo VT, Bassett GS.
Lengthening of the Psoas tendon at the “over the brim” position: anatomic investigation and surgical technique.
Clin Orthop 339:174-179, 1997.
 7. Bassett GS, Barton KL, **Skaggs DL**.
Laser doppler flowmetry during open reduction for developmental dysplasia of the hip.
Clin Orthop 340:158-64, 1997.
 8. **Skaggs DL**,
Elbow Fractures in Children: Diagnosis and Management.
J Am Acad Orthop Surg 5:303-312, 1997.
 9. **Skaggs D**, Pershad J:
Pediatric Elbow Trauma.
Ped Emerg Care 13: 425-434, 1997.
 10. Gilsanz V, **Skaggs DL**, Kovanlikaya A, Sayer J, Loro ML, Kaufman F, Korenman SG.
Differential Effect of race on the Axial and Appendicular Skeletons of Children.
J Clin Endocrinol Metab 83:1420-1427, 1998.
 11. Hammond W, Kay RM, **Skaggs DL**.
Operative Management of Supracondylar Fractures in Children.
AORN J 86:186-200, 1998.
 12. **Skaggs DL**, Hale JM, Buggay, SD, Kay RM.
Use of a hybrid eternal fixator in a juxta-articular, comminuted fracture of the distal humerus.
J Orthop Trauma 12(6):439-442 1998.
 13. Kay RM, **Skaggs DL**.
Montagia fractures in children.

- Am J Orthop Surg 27(9), 606-609 1998.
14. **Skaggs DL**, Kaminsky C, Kay RM, Tolo V, Reynolds RAK.
Reliability of the acetabular index in developmentally dysplastic hips.
J Ped Orthop 18(6):799-801, 1998.
 15. Raimondo RA, **Skaggs DL**, Rosenwasser MP, Dick HM.
Lengthening of pediatric forearm deformities using the Ilizarov technique: functional and cosmetic results.
J Hand Surge Am 24(2):331-8, 1999.
 16. **Skaggs DL**, Leet A, Money M, Shaw B, Tolo VT.
Complications of external fixation in the treatment of femur fractures in children.
J Ped Orthop 19(5):582-586, 1999.
 17. **Skaggs DL**, Kautz S, Kay RM, Tolo VT.
Effect of delay of surgical treatment on rate of infection in open fractures in children.
J Ped Orthop 20:19-22, 2000.
 18. **Skaggs DL**, Roberts JM, Codsí MD, Meyers BC, Moral L, Masso PD.
Mild gait abnormality and leg discomfort in a young child secondary to extra-dural ganglioneuroma.
Am J Orthop Surg 29(2):111-114, 2000.
 19. **Skaggs DL**, Mirzaryan R.
Fat pad sign in occult pediatric elbow fractures.
J Bone Joint Surg 81A(10):1429-33, 1999.
 20. Leet A, **Skaggs DL**.
The Limping Child.
Am Fam Physician 61:1011-8, 2000.
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31. Godfry, J, **Skaggs, DL**, Closed Reduction and Pinning of Supracondylar Humerus Fractures . Master Techniques in Orthopaedic Surgery: Pediatrics. Wolters Kluwer Health, Philadelphia, PA, 2016.
32. Yang, S, Andras, LM, **Skaggs DL**. Posterior Thoracolumbar Fusion Techniques for Adolescent Idiopathic Scoliosis. in Vaccaro, AR, Baron, EM (2ed). Operative Techniques: Spine Surgery. 3rd Edition. Elsevier Publishing, Philadelphia, pp 214-231, 2017.
33. "Supracondylar Fractures", Waters PM, **Skaggs DL**, Flynn JM. Rockwood and Wilkins fractures in children. Lippincott Williams & Wilkins; 2019.

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Miscellany

Scientific Exhibits

1. Current Trends in Orthopedic Trauma in Children. The Pediatric Society of North America Committee on Trauma and Prevention. American Academy of Orthopedic Surgeons, 71 Annual Meeting, San Francisco, CA, March 10-14, 2004.

Awards by co-authors

1. Best Resident Research Award
University of Southern California Graduate Orthopedic Society,
Pfieffer C, Roy A K, Baird G, Femino D, Kay R M, **Skaggs DL**: Quality of Evaluation and Management of Children Requiring Timely Orthopedic Surgery Prior to Admission to a Tertiary Pediatric Facility, June 2000.
2. Best Resident Research Award
University of Southern California Graduate Orthopedic Society
Sean Early, Phyllis D'Ambra, Vernon T. Tolo, **David L. Skaggs**.
Association of Back Pain with Carrying a Backpack in 1,747 Children. June 2000.
3. Second Place Resident Research Award
American Academy of Pediatrics Annual Meeting, Section on Orthopedics,:
Kim S, Green N, Miller J, **Skaggs DL**: Use of bone scan and bone marrow scan to differentiate sickle cell crises from osteomyelitis. Chicago IL, Oct 28, 2000.
4. Third Place Outstanding Poster Award
Spine+Science+Management
Sean Early, Phyllis D'Ambra, Vernon T. Tolo, **David L. Skaggs**
Association of Back Pain with Carrying a Backpack in 1,747 Children. New Orleans, November 16-18, 2000.
5. First Place Resident Research Award
American Academy of Pediatrics Annual Meeting, Section on Orthopedics
Clemons S, M Vitale, Femino JD, Kay RM, **Skaggs DL**: Access to Orthopedic Care for Children with Government Versus Private Insurance in California. American Academy of Pediatrics, National Conference and

Exhibition, October 21, 2001.

6. Best Resident Paper,
University of Southern California Graduate Orthopedic Society
Greene NW, Kim SK, Harris , Miller JH , **Skaggs DL**.
Differentiation between bone infarction and acute osteomyelitis in children with sickle-cell disease with use of sequential radionuclide bone-marrow and bone scans. June 21, 2002.
7. Second Place Resident Research Award
American Academy of Pediatrics Annual Meeting, Section on Orthopedics
Bauer R, **Skaggs DL**, Clemons S, Vitale MG
Access to Orthopedic Care for Children with Medicaid versus Private Insurance: Results of a National Survey.
American Academy of Pediatrics, National Conference and Exhibition, October 20, 2002.

Video/Audio

1. Supracondylar Elbow Fractures in Children, Audio-Digest Orthopaedics, 28:04, April 28, 2005.

Media Appearances

1. ABC,(national) “Vital Signs”, 12 documentary of Kyphectomy in a 2-year-old girl with spina bifida. April 10, 1997 + re-runs
Currently in re-runs on Discovery Channel.
2. ABC (national) “Childrens Miracle Network”, Spine surgery on girl from Japan, June 6, 1999.
3. KNBC-TV', "Today in LA", Studio interview, Backpack Use in Schoolchildren, September 5, 2001
4. ABC, Los Angeles, Eyewitness News, First patient in California with Titanium Rib Prosthesis, November 8, 2001.
5. Front Page of “Daily Breeze” newspaper, Southern California, “Surgery brings hope to family”, Story on first titanium rib implant in California, performed by David L. Skaggs, MD, November 19th, 2001.

6. KFRO radio interview, San Francisco, Pending legislation in Sacramento regarding backpacks and school children, April 25, 2002.
7. FOX, Fox News, Backpacks and back pain, April 30, 2002.
8. KABC-TV, Children's Miracle Network, June 2, 2002.
9. ABC (national)– Miracle Workers, Thoracic expansion and scoliosis correction surgery in a 2 year old. 8pm, March 13, 2006
10. NBC News (national)Your Total Health, “The Power of Napping”, November 18, 2007.
11. ABC (national)– Imagine: A Celebration of Childrens Hospital Los Angeles, Dec 15, 2007
12. PBS (Los Angeles) – American Health Journal – “Pediatric Orthopaedics” March 26, 28, April 1, 2008.
13. Discovery Channel- Parasitic Twin Separation – May 30, 2010.
14. ABC (national) –Imagine: The story of Berhau, a little boy from Ethipia who finds himself traveling to Southern Califrnia for Scoliosis Surgery, June 12, 2010.
15. ESPN Radio (local) – Pau Gasol in Spine Surgery, August 7, 2010.
16. ESPN Sports Center (national) - Pau Gasol in Spine Surgery, August 8, 2010.
17. ABC news (local) – Special on boy from Ethiopia brought to CHLA for spine surgery. August 27, 2010.
18. “Backstage Lakers”, Time Warner Cable, November 28th, 2012.
19. FOX news (local), Return to Football following Spine Surgery, Dec. 5, 2012.

National and International Presentations

1. **Skaggs DL**, Mow VC: Function of Radial Tie Fibers in the Meniscus, Orthopaedic Research Society, New Orleans, LA, February 1990.
2. **Skaggs DL**, Dick HM: Use of the Illizarov for limb-lengthening in radial agenesis, American Society for Surgery of the Hand, Orlando, FL, October, 1991.

7. **Skaggs DL**, Iatridis JC, Gibbons JM, Richardson LC, Weidenbaum M: Regional variations in the tensile properties and biomechanical composition of single lamellae of human annulus fibrosus, Orthopaedic Research Society, San Francisco, CA, February 1993.
8. **Skaggs DL**, Bachrach NM, Cohen B, Chorney G, Mow VC: Differential change in volume of chondrocytes through the depth of the bovine growth plate during compression: A confocal microscopy study, Orthopaedic Research Society. San Francisco, CA, February 1993.
9. **Skaggs DL**, Hall F, Muller L, Gabriel S, Nimni M, Tolo V: Expression of recombinant human TGF- β from E. Coli and osteogenesis in rat calvarial defects, Pediatric Orthopedic Society of North American. Miami, FL, May 1995.
10. **Skaggs DL**, Stratton N, Tolo VT. Treatment of aneurysmal bone cysts in children. American Academy of Pediatrics, Section on Orthopedics, New Orleans, LA, October 1997.
11. **Skaggs DL**, Hale JM, Bassett JC, Kaminsky CK, Tolo VT. Review of 369 Operatively Treated Supracondylar Humeral Fractures in Children with Attention to Iatrogenic Ulnar Nerve Injury. American Academy of Pediatrics, Section on Orthopedics, New Orleans, LA, October 1997.
12. Barton KL, Kaminsky CK, Green D, Shean C, Kautz S, **Skaggs DL**. Modified Gartland Classification of Supracondylar Humerus Fractures: An Assessment of Interobserver and Intraobserver Reliability. American Academy of Pediatrics, Section on Orthopedics, New Orleans, LA, October 1997.
13. **Skaggs DL**, Kaminsky CK, Hale JM, Reynolds RAK. Variability in Measurement of the Acetabular Index in Normal Dysplastic Hips. American Academy of Pediatrics, Section on Orthopedics, New Orleans, LA, October 1997.
14. American Academy of Pediatrics, Ski and Study Symposium, Course Faculty, "Scoliosis to Torticollis: How to Diagnose Spinal Problems and When to Refer," Lake Tahoe, CA, January 25-28, 1998.
15. American Academy of Pediatrics, Ski and Study Symposium, Course Faculty, "Orthopaedic Trauma for the Pediatrician," Lake Tahoe, CA, January 25-28, 1998.
16. American Academy of Pediatrics, Ski and Study Symposium, Course Faculty, "Sports Injuries in Children: Evaluation and Management," Lake Tahoe, CA, January 25-28, 1998.
17. American Academy of Pediatrics, Ski and Study Symposium, Course Faculty, "Hip Problems from Infancy to Adolescence," Lake Tahoe, CA, January 25-28, 1998.
18. American Academy of Pediatrics, Ski and Study Symposium, Course Faculty, "The Limping Child," Lake Tahoe, CA, January 25-28, 1998.

19. Guest speaker, University of California at San Francisco School of Medicine, Dept. of Orthopedics, Grand Rounds, San Francisco, CA, "TGF-beta in Orthopedics," May, 1995.
20. Conference Faculty, "Clinical Issues in Pediatrics, Scoliosis to Torticollis: How to Diagnose Spinal Problems and When to Refer," Jackson Hole, WY, August 1997.
21. Conference Faculty, Clinical Issues in Pediatrics, "Evaluation of Hip and Foot Problems in Children: When to Watch and When to Treat," Jackson Hole, WY, August 1997.
22. Conference Faculty, Clinical Issues in Pediatrics, "Orthopaedic Trauma and Sports Injuries: Evaluation and Management," Jackson Hole, Wyoming, August 1997.
23. Guest speaker, Virginia Mason Medical Center, Grand Rounds, "The Limping Child," Seattle, WA, December 4, 1998.
24. Course Faculty, Topics in Primary Care, Virginia Mason Medical Center, "Orthopedic Exam of the Child," Seattle, WA, December 4, 1998.
25. Visiting Professor, "Orthopedic Examination in Children," University of New Mexico School of Medicine, Albuquerque, NM, May 19, 1999.
26. Visiting Professor, "Orthopedic Trauma in Children," University of New Mexico School of Medicine, Albuquerque, NM, May 19, 1999.
27. Visiting Professor, "Pediatric Sports Medicine," University of New Mexico School of Medicine, Albuquerque, NM, May 20, 1999.
28. Visiting Professor, "The Limping Child," University of New Mexico School of Medicine, Albuquerque, NM, May 20, 1999.
29. Visiting Professor, "Spinal Deformity in Children," University of New Mexico School of Medicine, Albuquerque, NM, May 20, 1999.
30. Course Faculty, Management of Common Pediatric Problems, "What Every Pediatrician Should Know About Sports Medicine," Santa Fe, NM, May 21, 1999.
31. Course Faculty, Management of Common Pediatric Problems, "What Every Pediatrician Should Know About Pediatric Orthopedics," Santa Fe, NM, May 21, 1999.
32. American Academy of Pediatrics, Pediatric Potpourri, Course Faculty, "The Limping Child," Maui, HI, February 14-20, 1998.
33. American Academy of Pediatrics, Pediatric Potpourri, Course Faculty, "Examination of the Musculo-Skeletal System in Children," Maui, HI, February 14-20, 1998.

34. American Academy of Pediatrics, Pediatric Potpourri, Course Faculty, "Overuse Injuries in Young Athletes," Maui, HI, February 14-20, 1998.
35. American Academy of Pediatrics, Pediatric Potpourri, "Pediatric Orthopaedic Trauma," Maui, HI, February 14-20, 1998.
36. American Academy of Pediatrics, Pediatric Potpourri, "Feet Turn In: Legs Bow Out," Maui, HI, February 14-20, 1998.
37. **Skaggs DL**, Hale JM, Bassett JC, Kaminsky CK, Tolo VT: "Review of 369 Operatively Treated Supracondylar Humeral Fractures in children, With Attention to Iatrogenic Ulnar Nerve Injury," American Shoulder and Elbow Surgeons, New Orleans, LA, March 22, 1998.
38. **Skaggs DL**, Hale JM, Bassett JC, Kaminsky CK, Tolo VT: "Review of 369 Operatively Treated Supracondylar Humeral Fractures in children, With Attention to Iatrogenic Ulnar Nerve Injury," American Academy of Orthopedic Surgeons, New Orleans, LA, March 23, 1998.
39. **Skaggs DL**, Rethlefsen SA, Kay RM, Reynolds RAK, Tolo VT: "Variability In Gait Analysis Interpretation," American Academy of Pediatrics, Section on Orthopedics, San Francisco, CA, March 22, 1998.
40. American Academy of Pediatrics, Course Faculty, Clinical Pediatrics, "The Limping Child," Palm Springs, CA, March 11-14, 1999.
41. American Academy of Pediatrics, Course Faculty, Clinical Pediatrics, "Orthopedic Trauma for the Pediatrician," Palm Springs, CA, March 11-14, 1999.
42. American Academy of Pediatrics, Course Faculty, Clinical Pediatrics, "Sports Injuries in Children, Evaluation and Management," Palm Springs, CA, March 11-14, 1999.
43. American Academy of Pediatrics, Course Faculty, Clinical Pediatrics, "Hip Problems from Infancy to Adolescence," Palm Springs, CA, March 11-14, 1999.
44. **Skaggs DL**, Hale JM, Samuelson M, Tolo VT: Complications of iliac crest bone grafting in spine surgery in children. Scoliosis Research Society, San Diego, CA, September 25, 1999.
45. Course Faculty, American Academy of Pediatrics, AM:PREP, "Sports Preparticipation Screening Exam," Scottsdale, AZ, September 29-30, 1999.
46. Course Faculty, American Academy of Pediatrics, AM:PREP, "Common Orthopedic Problems," Scottsdale, AZ, September 29-30, 1999.
47. Course Faculty, American Academy of Pediatrics, AM:PREP, "Sports-Related Issues/Overuse Injuries," Scottsdale, AZ, September 29-30, 1999.

48. American Academy of Pediatrics, Aloha Update, "Orthopedic Examination of the Lower Extremities," Hawaii, October 24-28, 1999.
49. American Academy of Pediatrics, Aloha Update, "Sports Injuries in Children: Upper Extremities," Hawaii, October 24-28, 1999.
50. American Academy of Pediatrics, Aloha Update, "Feet Turn In, Legs Bow Out, Who Cares," Hawaii, October 24-28, 1999.
51. American Academy of Pediatrics, Aloha Update, "Hip Problems from Infants to Adolescents," Hawaii, October 24-28, 1999.
52. American Academy of Pediatrics, Aloha Update, "Torticollis to Scoliosis: Spine problems in Children," Hawaii, October 24-28, 1999.
53. **Skaggs DL**, Hale JM, Samuelson M, Tolo VT: "Complications of iliac crest bone grafting in spine surgery in children," American Academy of Orthopedic Surgeons, Orlando FL, March 16, 2000.
54. **Skaggs DL**, Rethfelsen S, Dennis S, Kay RM, Tolo VT. "Variability of gait analysis interpretation," American Academy of Orthopedic Surgeons, Orlando FL, March 16, 2000.
55. American Academy of Pediatrics, Advances in Pediatrics, "Overuse Injuries in Young Athletes," Las Vegas, NV, April 6-9, 2000.
56. American Academy of Pediatrics, Advances in Pediatrics, "Orthopedic Trauma in Children," Las Vegas, NV, April 6-9, 2000.
57. American Academy of Pediatrics, Advances in Pediatrics, "The Limping Child", Las Vegas, Nevada, April 6-9, 2000.
58. American Academy of Pediatrics, Advances in Pediatrics, "Torticollis to Scoliosis: Spine Problems in Children," Las Vegas, NV, April 6-9, 2000.
59. **Skaggs DL**, Mirzaryan R: Fat pad sign in occult pediatric elbow fractures. Pediatric Orthopedic Society of North America, Vancouver, Canada, May 1-4, 2000.
60. **Skaggs DL**, Kim S, Green N, Miller J: Use of sequential bone scan and bone marrow scan to differentiate sickle cell crises from osteomyelitis in children. Pediatric Orthopedic Society of North America, Vancouver, Canada, May 1-4, 2000.
61. Faculty, American Academy of Pediatrics, Current Advances in Pediatrics, "Torticollis to Scoliosis: Spine Problems in Children," Irvine, CA, October 13-15, 2000.

62. Faculty, American Academy of Pediatrics, Current Advances in Pediatrics, "A Hands-On Primer on the Orthopedic Exam," Irvine, CA, October 13-15, 2000.
63. Faculty, American Academy of Pediatrics, Current Advances in Pediatrics, "Orthopedic Trauma Pitfalls to Avoid," Irvine, CA, October 13-15, 2000.
64. Faculty, American Academy of Pediatrics, Current Advances in Pediatrics, "The Limping Child," Irvine, CA, October 13-15, 2000.
65. Moderator, American Academy of Pediatrics Annual Meeting, Section on Orthopedics, "Lower Extremity," Chicago IL, October 28, 2000.
66. **Skaggs DL**, Sean Early, Phyllis D'Ambra, Vernon T. Tolo. Association of Back Pain with Carrying a Backpack in 1,747 Children. American Academy of Pediatrics Annual Meeting, Section on Orthopedics, Chicago IL, October 28, 2000.
67. Symposium Faculty, American Academy of Orthopedic Surgeons, "Complementary and Alternative Medicine: A Healthy Skepticism". San Francisco, CA, February 28, 2001.
68. **Skaggs DL**, Clemons S, M Vitale, Femino JD, Kay RM: Access to Orthopedic Care for Children with Government Versus Private Insurance in California. American Academy of Orthopedic Surgeons, Pediatrics Specialty Day, March 3, 2001.
69. **Skaggs DL**, Loro ML, Kuehn S, Pitukcheewanont P, Tolo V, Gilsanz V. Decreased Bone Mass in Girls with Low Energy Forearm Fractures. Pediatric Orthopedic Society of North America, Cancun, Mexico, May 4, 2001.
70. **Skaggs DL**, Sean Early, Phyllis D'Ambra, Vernon T. Tolo. Association of Back Pain with Carrying a Backpack in 1,747 Children. Pediatric Orthopedic Society of North America, Cancun, Mexico, May 4, 2001.
71. American Academy of Pediatrics, Clinical Pearls, Course Faculty, "The Limping Child", Kauai, Hawaii, Oct 7-11, 2001.
72. American Academy of Pediatrics, Clinical Pearls, Course Faculty, "Orthopedic Examination of Children", Kauai, Hawaii, Oct 7-11, 2001.
73. American Academy of Pediatrics, Clinical Pearls, Course Faculty, "Pediatric Sports Medicine: Upper Extremity", Kauai, Hawaii, Oct 7-11, 2001.
74. American Academy of Pediatrics, Clinical Pearls, Course Faculty, "Pediatric Sports Medicine: Lower Extremity", Kauai, Hawaii, Oct 7-11, 2001.
75. American Academy of Pediatrics, Clinical Pearls, Course Faculty, "Hip Problems from Infants to Adolescents", Kauai, Hawaii, Oct 7-11, 2001.

76. Skaggs DL, Hale JM, Bassett JC, Kaminsky CK, Tolo VT: Pin configuration in the Operative Treated of Supracondylar Humeral Fractures in Children,” Orthopedic Trauma Association, October 18-20, 2001.
77. American Academy of Pediatrics, National Conference and Exhibition, Orthopedic Section, “Use of a Non-Invasive Halo in Children”, San Francisco, October 20, 2001.
78. American Academy of Pediatrics, National Conference and Exhibition, “The Limping Child”, San Francisco, October 25, 2001.
79. American Academy of Pediatrics, National Conference and Exhibition, “Torticollis to Scoliosis”, San Francisco, October 25, 2001.
80. American Academy of Pediatrics, National Conference and Exhibition, “Feet Turn In, Legs Bow Out, Who Cares?”, San Francisco, October 25, 2001.
81. American Academy of Pediatrics, 23rd Annual Las Vegas Seminars, “Pediatric Update”, “Orthopedic Examination of Children”, Las Vegas, Nevada, November 15-18, 2001.
82. American Academy of Pediatrics, 23rd Annual Las Vegas Seminars, “Pediatric Update”, “Torticollis to Scoliosis: Spinal Problems in Children”, Las Vegas, Nevada, November 15-18, 2001.
83. American Academy of Pediatrics, 23rd Annual Las Vegas Seminars, “Pediatric Update”, “The Limping Child”, Las Vegas, Nevada, November 15-18, 2001.
84. American Academy of Pediatrics, 23rd Annual Las Vegas Seminars, “Pediatric Update”, “Sports Medicine in Children: They’re not Just Little Adults”, Las Vegas, Nevada, November 15-18, 2001.
85. Visiting Professor, Columbia University College of Physicians and Surgeons, “A New Approach to Scoliosis and Thoracic Insufficiency in Young Children”, New York, New York, January 17, 2002.
86. Visiting Professor, Columbia University College of Physicians and Surgeons, “Don’t Miss This: Commonly Missed Fractures in Children”, New York, New York, January 18, 2002.
87. American Academy of Pediatrics, 27th Annual Winter Ski and Study Symposium, Course Faculty, “Torticollis to Scoliosis, Spine Problems in Children”, Lake Tahoe, CA, January 27-30, 2002.
88. American Academy of Pediatrics, 27th Annual Winter Ski and Study Symposium, Course Faculty, “Hip Problems from Infans to Adolescents”, Lake Tahoe, CA, January 27-30, 2002.

89. American Academy of Pediatrics, 27th Annual Winter Ski and Study Symposium, Course Faculty, “The Limping Child”, Lake Tahoe, CA, January 27-30, 2002.
90. American Academy of Pediatrics, 27th Annual Winter Ski and Study Symposium, Course Faculty, “Don’t Miss This: Fakeouts in Orthopedics in Children, Lake Tahoe, CA, January 27-30, 2002.
91. American Academy of Pediatrics, 27th Annual Winter Ski and Study Symposium, Course Faculty, “Sports Medicine in Children”, Lake Tahoe, CA, January 27-30, 2002.
92. Instructor, American Academy of Orthopedic Surgeons, 2002 Annual Meeting, Instructional Course Lecture, “The Operative Management of Pediatric Fractures: Tibia and Ankle Fractures”, Dallas, Texas, February, 14, 2002.
93. Faculty, American Academy of Orthopedic Surgeons, 2002 Annual Meeting, Orthopedic Review Course, “Fractures of the Upper and Lower Extremities in Children”, Dallas, Texas, February, 14, 2002.
94. Pediatric Orthopedic Society of North America, Traveling Fellowship, “A New Approach to Scoliosis and Thoracic Insufficiency in Young Children”, Orthopedic Clinic of the 1st Medical School, Charles University, Teaching Hospital Bulovka 2, Prague, Czechoslovakia, April 2, 2002.
95. Pediatric Orthopedic Society of North America, Traveling Fellowship, “A New Approach to Scoliosis and Thoracic Insufficiency in Young Children”, Orthopäedic Hospital Speising, Vienna, Austria, April 5, 2002.
96. Pediatric Orthopedic Society of North America, Traveling Fellowship, “Don’t Miss This: Orthopedic Fakeouts in Children”, Orthopäedic Hospital, Stolzalpe, Austria, April 8, 2002.
97. Pediatric Orthopedic Society of North America, Traveling Fellowship, “A New Approach to Scoliosis and Thoracic Insufficiency in Young Children”, Azienda Ospedaliera Uniersitaria, Policlinico TorVergata, Rome, Italy, April 13, 2002.
98. Skaggs DL, Leake B, Alman B, Chambers H , Schmitz M, Flynn J. The effect of surgical delay on infection in 554 open fractures in children: results of an international, multicenter study. 21st Annual Meeting of the European Pediatric Orthopaedic Society. Istanbul, Turkey, April 18, 2002.
99. Titanium Rib Prosthesis for Thoracic Insufficiency Syndrome: The Los Angeles Experience, Congenital Spine symposium: Thoracic Insufficiency Syndrome, Primary Children’s Medical Center, University of Utah School of Medicine, Salt Lake City, Utah, April 30, 2002.
100. Skaggs DL, Leake B, Alman B, Chambers H, Schmitz M, Flynn J. The effect of surgical delay on infection in 554 open fractures in children: results of an international, multicenter

study. Paediatric Orthopaedic Society of North America, May 4, 2002.

101. Skaggs DL, Gupta N, Leitch K, Femino JD, Tolo VT, Kay RM. The Effect Of Surgical Delay On Perioperative Complications Of Supracondylar Humerus Fractures In Children. Pediatric Orthopaedic Society of North America, May 4, 2002.
102. Fractures of the Upper Extremity in Children, Visiting Professor, Orthopedic, Traumatology and Research Center of Mongolia, Ulaanbaatar, Mongolia, July 22, 2002.
103. Management of Pediatric Lower Extremity Trauma, Visiting Professor, Orthopedic, Traumatology and Research Center of Mongolia, Ulaanbaatar, Mongolia, July 22, 2002.
104. Hip Problems in Children, Visiting Professor, Orthopedic, Traumatology and Research Center of Mongolia, Ulaanbaatar, Mongolia, July 26, 2002.
105. Hip Problems in Children, Visiting Professor, Orthopedic, Traumatology and Research Center of Mongolia, Ulaanbaatar, Mongolia, July 25, 2002.
106. Pediatric Spinal Problems, Visiting Professor, State Research Center on Maternal and Child Health, Ulaanbaatar, Mongolia. July 23, 2002.
107. Pediatric Spinal Problems, Visiting Professor, Orthopedic, Traumatology and Research Center of Mongolia, Ulaanbaatar, Mongolia, July 25, 2002.
108. “The Office Orthopedic Exam”, Faculty, American Academy of Pediatrics, American Academy of Pediatrics, 2002 National Convention, Boston, MA October 19, 2002.
109. Cluck M, Skaggs DL, Mostafi A, Kay RM. Success and Failure of Lateral Pin Fixation in Supracondylar Humerus Fractures in Children. American Academy of Pediatrics, Section on Orthopedic Surgery, 2002 National Convention, Boston, MA October 20, 2002.
110. Skaggs DL Early SD, D’Ambra PD, Tolo VT. Backpain in Schoolchildren. American Academy of Pediatrics, Section on Orthopedic Surgery, 2002 National Convention, Boston, MA October 19, 2002.
111. Skaggs DL, Woo M, Farlo J, Keens T, Lew C, Stein. Early Experience with the Titanium Rib Prosthesis at Another Center. American Academy of Pediatrics, Section on Orthopedic Surgery, 2002 National Convention, Boston, MA October 19, 2002.
112. **Skaggs DL**, Leake, BA, Alman B, Chambers HG, Schmitz M, Flynn J; The Effect Of Surgical Delay On Infection In 554 Open Fractures In Children: Results Of An International, Multi-Center Study. American Academy of Orthopedic Surgeons, 70th Annual Meeting, New Orleans, Louisiana, February 5-9, 2003.
113. **Skaggs DL**, Early SD, D’Ambra P, Tolo VT; Backpain in Schoolchildren American Academy of Orthopedic Surgeons, 70th Annual Meeting, New Orleans, Louisiana, February

5-9, 2003.

114. "Fractures of the Upper and Lower Extremities in Children", Orthopedic Review Course, American Academy of Orthopedic Surgeons, 70th Annual Meeting, New Orleans, Louisiana, February 5-9, 2003.
115. **Skaggs DL**, Bauer RM, Clemens S, Kay RM, Vitale MG. Access to Timely Orthopaedic Care for Children with Medicaid: Results of a National Survey. American Academy of Orthopedic Surgeons, 70th Annual Meeting, New Orleans, Louisiana, February 5-9, 2003.
116. "The Operative Management of Pediatric Fractures: Tibia and Ankle Fractures", Instructional Course Lecture, American Academy of Orthopedic Surgeons, 70th Annual Meeting, New Orleans, Louisiana, February 5-9, 2003.
117. "Congenital and Developmental Problems", Symposium: Staying out of Trouble with Your Pediatric Patients. American Academy of Orthopedic Surgeons, 70th Annual Meeting, New Orleans, Louisiana, February 5-9, 2003.
118. "A New Approach to Scoliosis in Young Children", American, British, Canadian Traveling Fellowship, Bristol Royal Infirmary, Bristol, London, April 7, 2003.
119. "A New Approach to Scoliosis in Young Children", American, British, Canadian Traveling Fellowship, Edinburgh University School of Medicine, Edinburgh, Scotland, April 17, 2003.
120. "A New Approach to Scoliosis in Young Children", American, British, Canadian Traveling Fellowship, Royal National Orthopedic Hospital, Stanmore, London, England, April 22, 2003.
121. "Advances in the Treatment of Supracondylar Humerus Fractures in Children", American, British, Canadian Traveling Fellowship, Royal North Shore Hospital, Sydney, Australia, April 29, 2003.
122. "Are Open Fractures in Children Really Emergencies", American, British, Canadian Traveling Fellowship, Flinders University School of Medicine, Adelaide, Australia, May 2, 2003.
123. "Are Open Fractures in Children Really Emergencies", American, British, Canadian Traveling Fellowship, Royal College of Surgeons, Melbourne, Australia, May 3, 2003.
124. "Access to Timely Orthopaedic Care for Children with Medicaid: Results of a National Survey." American, British, Canadian Traveling Fellowship, Parliament Building, Wellington, New Zealand, May 7, 2003.
125. "Advances in the Treatment of Supracondylar Humerus Fractures in Children", American, British, Canadian Traveling Fellowship, Auckland, New Zealand, May 8, 2003.

126. "A New Approach to Scoliosis in Young Children", American, British, Canadian Traveling Fellowship, Auckland, New Zealand, May 8, 2003.
127. "Adolescent Spinal Deformity", International Meeting of Advanced Spinal Techniques, Rome, Italy, July 10, 2003.
128. "Challenges in Thoracic Insufficiency Reconstruction", International Meeting of Advanced Spinal Techniques, Rome, Italy, July 11, 2003.
129. "Initial Experience with the Titanium Rib Prosthesis", Basel, Switzerland, July 15, 2003.
130. "Growing Rob Instrumentation for Early Onset Scoliosis: A critical review of the literature" Growing Rod Study Group, San Diego, CA July 26, 2003.
131. Skaggs DL, Friend L, Cortese K, Bassett G, Early S, Tolo VT. Anterior Vs. Posterior spinal Instrumentation of the treatment of thoracolumbar curves in adolescent idiopathic scoliosis. Scoliosis Research Society, Quebec City, Canada, Sept 11-13, 2003.
132. "The Limping Child", Visiting Professor, State Research Center on Maternal and Child Health, Ulaanbaatar, Mongolia, Sept 15, 2003.
133. "Variability in Gait Analysis", Guest Speaker, Cole Memorial Pediatric Orthopaedic Seminar (Gillette Children's Specialty Healthcare and Shriners Hospital for Children), Saint Paul, Minnesota, October 3, 2003.
134. "A New Approach to Scoliosis in Young Children", Guest Speaker, Cole Memorial Pediatric Orthopaedic Seminar (Gillette Children's Specialty Healthcare and Shriners Hospital for Children), Saint Paul, Minnesota, October 3, 2003.
135. American Academy of Pediatrics, Aloha Update: Pediatrics 2003, Course Faculty, "Pediatric Sports Medicine: Lower Extremity", Kauai, Hawaii, Oct 11-17, 2003.
136. American Academy of Pediatrics, Aloha Update: Pediatrics 2003, Course Faculty, "Don't Miss This: Fakeouts in Orthopaedic Trauma in Children", Kauai, Hawaii, Oct 11-17, 2003.
137. American Academy of Pediatrics, Aloha Update: Pediatrics 2003, Course Faculty, "The Office Orthopaedic Exam", Kauai, Hawaii, Oct 11-17, 2003.
138. American Academy of Pediatrics, Aloha Update: Pediatrics 2003, Course Faculty, "Torticollis to Scoliosis: Spine Problems in Children", Kauai, Hawaii, Oct 11-17, 2003.
139. American Academy of Orthopedic Surgeons, Pediatric Orthopaedics: Current Perspectives and Techniques, Course Faculty, "Fractures About the Knee", Scottsdale, Arizona, October 17-19, 2003.

140. American Academy of Orthopedic Surgeons, Pediatric Orthopaedics: Current Perspectives and Techniques, Course Faculty, "Supracondylar/Lateral Condylar Fractures", Scottsdale, Arizona, October 17-19, 2003.
141. Visiting Professor, "The Limping Child and Other Problems of the Lower Extremities" Grand Rounds, Department of Pediatrics, University of New Mexico School of Medicine, Albuquerque, NM, November, 19-21, 2003.
142. Visiting Professor, "The Office Orthopedic Examination" Department of Pediatrics, University of New Mexico School of Medicine, Albuquerque, NM, November, 19-21, 2003.
143. Visiting Professor, "Don't Miss This! Commonly Missed Fractures in Children" Department of Pediatrics, University of New Mexico School of Medicine, Albuquerque, NM, November, 19-21, 2003
144. Visiting Professor, "Sports Medicine – Upper Extremities and General Issues" Department of Pediatrics, University of New Mexico School of Medicine, Albuquerque, NM, November, 19-21, 2003
145. Visiting Professor, "Sports Medicine – Lower Extremities and Spine" Department of Pediatrics, University of New Mexico School of Medicine, Albuquerque, NM, November, 19-21, 2003
146. Visiting Professor, "Don't Miss This! Common Pitfalls in Pediatric Orthopaedics" Department of Orthopaedic Surgery, University of New Mexico School of Medicine, Albuquerque, NM, November, 19-21, 2003.
147. Visiting Professor, "A New Approach to Children with Early Onset Scoliosis" Grand Rounds, Department of Orthopaedic Surgery, University of New Mexico School of Medicine, Albuquerque, NM, November, 19-21, 2003.
148. Office Orthopaedics: The Limping Child. International Pediatric Orthopaedic Symposium, San Diego, CA, December, 3-7, 2003.
149. Skaggs DL, Friend L, Cortese K, Bassett G, Early S, Tolo VT. Anterior Vs. Posterior spinal Instrumentation of the treatment of thoracolumbar curves in adolescent idiopathic scoliosis. International Pediatric Orthopaedic Symposium, San Diego, CA, December 3-7, 2003.
150. Early Pulmonary Effects and Complications of the Titanium Rib Prosthesis in the Treatment of Young Children with Scoliosis. International Pediatric Orthopaedic Symposium, San Diego, CA, December 3-7, 2003.
151. "Orthopaedic Trauma for the Pediatrician", Faculty, American Academy of Pediatrics CME, Keystone, Colorado, January 15-18, 2004.

152. "The Office Orthopaedic Exam", Faculty, American Academy of Pediatrics CME, Keystone, Colorado, January 15-18, 2004.
153. "Feet Turn In, Legs Bow Out – Who Cares", Faculty, American Academy of Pediatrics CME, Keystone, Colorado, January 15-18, 2004.
154. "Scoliosis to Torticollis: Spine Problems in Children", Faculty, American Academy of Pediatrics CME, Keystone, Colorado, January 15-18, 2004.
155. "Rib to Pelvis Fixation in VEPT: Indications and Complications", Chest Wall & Spine Deformity Study Group, San Jose Del Cabos, Mexico, February 7, 2004.
156. "Infant Pulmonary Function Tests Pre- and Post- Thoracic Expansion and Titanium Rib Implantation", Chest Wall & Spine Deformity Study Group, San Jose Del Cabos, Mexico, February 7, 2004.
157. "Feet Turn In, Legs Bow Out – Who Cares", Faculty, American Academy of Pediatrics, Clinical Pediatrics, Palm Springs, California, March 4-7, 2004.
158. "Orthopedic Trauma for the Pediatrician", Faculty, American Academy of Pediatrics, Clinical Pediatrics, Palm Springs, California, March 4-7, 2004.
159. "Sports Injuries in Young Athletes – Upper Extremities", Faculty, American Academy of Pediatrics, Clinical Pediatrics, Palm Springs, California, March 4-7, 2004.
160. "The Limping Child", Faculty, American Academy of Pediatrics, Clinical Pediatrics, Palm Springs, California, March 4-7, 2004.
161. "Staying out of Trouble with Congenital and Developmental Disorders", Instructional Course Lecture - Staying Out of Trouble with Your Pediatric Patients, American Academy of Orthopedic Surgeons, 71st Annual Meeting, San Francisco, CA, March 10, 2004.
162. "Fractures About the Knee", Instructional course Lecture – Lower Extremity Fractures, American Academy of Orthopedic Surgeons, 71st Annual Meeting, San Francisco, CA, March 10, 2004.
163. "The Difficult Supracondylar Humerus Fracture", Instructional Course Lecture, American Academy of Orthopedic Surgeons, 71st Annual Meeting, San Francisco, CA, March 10, 2004.
164. "Fractures of the Upper and Lower Extremities in Children", Orthopedic Review Course, American Academy of Orthopedic Surgeons, 71st Annual Meeting, San Francisco, CA, March 10-14, 2004.
165. "The Operative Management of Pediatric Fractures: Tibia and Ankle Fractures", Instructional Course Lecture, American Academy of Orthopedic Surgeons, American

Academy of Orthopedic Surgeons, 71st Annual Meeting, San Francisco, CA, March 10-14, 2004.

166. Skaggs DL, Friend L, Cortese K, Bassett G, Early S, Tolo VT. Anterior Vs. Posterior spinal Instrumentation of the treatment of thoracolumbar curves in adolescent idiopathic scoliosis. Pediatric Orthopaedic Society of North America Specialty Day, American Academy of Orthopedic Surgeons, 71st Annual Meeting, San Francisco, CA, March 13, 2004.
167. “Use of Dunn-McCarthy “S” Hook Pelvic Fixation as Part of Vertical Expandable Prosthetic Titanium Rib Treatment of Thoracic Insufficiency Syndrome in Children with Spinal Deformity”, Chest Wall & Spine Deformity Study Group, St. Louis, Missouri, April 27, 2004.
168. “Use of the Titanium Rib Device in the Treatment of Thoracic Insufficiency Syndrome in Children with Spinal Deformity”, Chest Wall & Spine Deformity Study Group, St. Louis, Missouri, April 27, 2004.
169. “Titanium Compatible Sublaminar Wires in Scoliosis Surgery”, Faculty, Spinal Deformity: Current Techniques and Advances in the use of Thoracic Pedicle Screws, Phoenix, AZ, May 15, 2004.
170. “Are Thoracic Pedicle Screws REALLY Necessary in the Treatment of Adolescent Idiopathic Scoliosis”, Faculty, Spinal Deformity: Current Techniques and Advances in the use of Thoracic Pedicle Screws, Phoenix, AZ, May 15, 2004.
171. “Effect of VEPTR on Nutrition and Growth in Children with Thoracic Insufficiency”. Chest Wall & Spine Deformity Study Group, Bermuda, June 30, 2004.
172. “Treatment of Progressive Congenital Kyphoscoliosis” Faculty, International Meeting of Advanced Spinal Techniques, Bermuda, June 1-3, 2004.
173. “Treatment of Jeune’s Syndrome”, Faculty, International Meeting of Advanced Spinal Techniques, Bermuda, July 1-3, 2004.
174. Skaggs DL, Bushelow M, Martin GM, Tolo VT. “Titanium Compatible Sublaminar Wires for Spinal Deformity Surgery” American Academy of Pediatricians, Section on Orthopedics, National Conference and Exhibition, San Francisco CA, October 9&10, 2004.
175. Kay RM Rethlesse SA, Fern-Buneo A, Wren TAL, Skaggs DL. “Does Injection of Botox Facilitate Serial Casting of Fixed Contractures?” American Academy of Pediatricians, Section on Orthopedics, National Conference and Exhibition, San Francisco CA, October 9&10, 2004.
176. Course Faculty, “Pearls and Pitfalls in the Early Diagnosis of Children’s Orthopaedic Disorders” American Academy of Pediatricians, National Conference and Exhibition, San

Francisco CA, October 9&10, 2004.

177. Faculty, American Academy of Pediatrics, Current Advances in Pediatrics, "Sports Medicine: Upper Extremity," Irvine, CA, October 22-23.
178. Faculty, American Academy of Pediatrics, Current Advances in Pediatrics, "Sports Medicine: Lower Extremity," Irvine, CA, October 22-23.
179. Faculty, American Academy of Pediatrics, Current Advances in Pediatrics, "The Office Orthopedic Exam" Irvine, CA, October 22-23.
180. Faculty, American Academy of Pediatrics, Current Advances in Pediatrics, "Orthopaedic Trauma in Children" Irvine, CA, October 22-23.
181. Course Faculty, Congenital Spine Forum: Thoracic Insufficiency Syndrome, "Treatment of Juene's Syndrome with VEPTR", Salt Lake City, Utah, October 25 & 26, 2004.
182. Course Faculty, Congenital Spine Forum: Thoracic Insufficiency Syndrome, "Patient Assessment for VEPTR treatment", Salt Lake City, Utah, October 25 & 26, 2004.
183. Course Faculty, Congenital Spine Forum: Thoracic Insufficiency Syndrome, "Complications in "VEPTR treatment", Salt Lake City, Utah, October 25 & 26, 2004.
184. "A New Treatment for Young Children with Spinal and Chest Wall Deformity" Childrens Memorial Hospital, Northwestern University School of Medicine, Chicago, Illinois, November 8, 2004.
185. "Don't Let Your Child Get on Medicaid" Cincinnati Children's Hospital, University of Cincinnati School of Medicine, Cincinnati, Ohio, January 25 & 26, 2005.
186. "Supracondylar Fractures in Children" Grand Rounds, Department of Orthopaedic Surgery, University of Cincinnati School of Medicine, Cincinnati, Ohio, January 25 & 26, 2005.
187. "A New Treatment for Young Children with Spinal and Chest Wall Deformity" Cincinnati Children's Hospital, University of Cincinnati School of Medicine, Cincinnati, Ohio, January 25 & 26, 2005.
188. "Effect of VEPTR on Nutritional Parameters of Children" VEPTR Study Group, Phoenix Arizona, January 27, 2005.
189. "Supracondylar Elbow Fractures in Children" Faculty, 2005 Dale Daniel, MD Orthopedic Symposium, Indian Wells, California, January 29, 2005.
190. Course Faculty, Congenital Spine Forum: Thoracic Insufficiency Syndrome, "Patient Assessment for VEPTR treatment", Salt Lake City, Utah, June 18, 2021.

191. Course Faculty, Congenital Spine Forum: Thoracic Insufficiency Syndrome, “Complications in VEPTR treatment”, Salt Lake City, Utah, June 18, 2021.
192. “The Operative Management of Pediatric Fractures: Tibia and Ankle Fractures”, Instructional Course Lecture, American Academy of Orthopedic Surgeons, American Academy of Orthopedic Surgeons, 72nd Annual Meeting, Washington D.C., February 23-27, 2005.
193. “Staying out of Trouble with Congenital and Developmental Disorders”, Instructional Course Lecture - Staying Out of Trouble with Your Pediatric Patients, American Academy of Orthopedic Surgeons, 72nd Annual Meeting, Washington D.C., February 23-27, 2005.
194. “Fractures About the Knee”, Instructional course Lecture – Lower Extremity Fractures, American Academy of Orthopedic Surgeons, 72nd Annual Meeting, Washington D.C., February 23-27, 2005.
195. “The Difficult Supracondylar Humerus Fracture”, Instructional Course Lecture, American Academy of Orthopedic Surgeons, 72nd Annual Meeting, Washington D.C., February 23-27, 2005.
196. “Fractures of the Upper and Lower Extremities in Children”, Orthopedic Review Course, American Academy of Orthopedic Surgeons, 72nd Annual Meeting, Washington D.C., February 23-27, 2005.
197. Kay RM Rethlesfsen SA, Fern-Buneo A, Wren TAL, Skaggs DL. “Does Injection of Botox Facilitate Serial Casting of Fixed Contractures?” American Academy of Orthopedic Surgeons, 72nd Annual Meeting, Washington D.C., February 23-27, 2005.
198. Skaggs DL, Lerman LD, Lerman M, Reed M, Tolo VT. “A New Non-Invasive Halo for Pediatric C- Spine Immobilization” American Academy of Orthopedic Surgeons, 72nd Annual Meeting, Washington D.C., February 23-27, 2005.
199. Screws Vs. Hooks/Wires Analysis for Deformity Correction. Faculty, Advanced Techniques in Pediatric Deformity Surgery, San Francisco, CA, March 4, 2005.
200. Visiting Professor, “A New Approach to Children with Early Onset Scoliosis” Denver Childrens Hospital, University of Colorado School of Medicine, Denver Colorado, April 1, 2005.
201. Visiting Professor, Don’t Miss This: Occult Fractures in Children. Denver Childrens Hospital, University of Colorado School of Medicine, Denver Colorado, April 1&2, 2005.
202. Course faculty, “Use of Hybrid Constructs in the Treatment of Pediatric Spinal Deformity Surgery”. Advanced Techniques in Pediatric Spine Surgery and Use of Thoracic Pedicle Screws, Phoenix Arizona, April 30, 2005.

203. Ho C, Skaggs DL, Weiss J, Tolo VT. Management of Infected Spinal Fusions for Scoliosis. Pediatric Orthopedic Society of North America, Ottawa, Canada, May 13, 2005.
204. Course faculty, “Open access, Discectomy / Fusion and Structural Grafting Techniques”, Advanced Techniques in Pediatric Deformity Surgery, Memphis, TN, May 20, 2005.
205. Course Faculty, “Pelvic Fixation in VEPTR”, 12th International Meeting on Advanced Spine Techniques, Banff, Canada, July 7-9, 2005.
206. Course Faculty, “Advances in Correction Mechanics for Spinal Deformity”, 12th International Meeting on Advanced Spine Techniques, Banff, Canada, July 7-9, 2005.
207. Sponseller P, Buchowski J, Skaggs DL, Bhatnagar R. Temporary internal (dis)traction as an Aid to Correction of Severe Scoliosis” 12th International Meeting on Advanced Spine Techniques, Banff, Canada, July 7-9, 2005.
208. Visiting Professor, “A New Approach to Children with Early Onset Scoliosis” University of Wisconsin at Madison, Department of Orthopaedic Surgery, August 25, 2005.
209. Course faculty, “Clinical Research – A Perspective from an Academic, Pediatric Deformity Surgeon”. “Training for Tomorrow’s Deformity Surgeon”, San Diego, CA, October 16-18, 2005.
210. Course faculty, “Fractures about the Knee,” 2nd International POSNA/AAOS Pediatric Orthopedic symposium, Nov 30-Dec4, 2005, Orlando, FL
211. Course faculty, “Supracondylar Humerus Fractures”, 2nd International POSNA/AAOS Pediatric Orthopedic symposium, Nov 30-Dec4, 2005, Orlando, FL
212. Course faculty, “Proximal Radius and Monteggia Fractures”, 2nd International POSNA/AAOS Pediatric Orthopedic symposium, Nov 30-Dec4, 2005, Orlando, FL
213. Course faculty, “Open Fractures in Children”, 2nd International POSNA/AAOS Pediatric Orthopedic symposium, Nov 30-Dec4, 2005, Orlando, FL
214. Course faculty, “ Bone Infarct Vs. Osteomyelitis in Sickle Cell Disease”, 2nd International POSNA/AAOS Pediatric Orthopedic symposium, Nov 30-Dec4, 2005, Orlando, FL
215. Course faculty, “Infections Following Spinal Fusion: Prevention, Evaluation, and Management”, 2nd International POSNA/AAOS Pediatric Orthopedic symposium, Nov 30-Dec4, 2005, Orlando, FL
216. Course faculty, “Spinal Instrumentation in the Very Young Child”, 2nd International POSNA/AAOS Pediatric Orthopedic symposium, Nov 30-Dec4, 2005, Orlando, FL.

217. Growing Spinal Instrumentation in Young Children. The Hospital for Sick Children, University of Toronto, Toronto, Ontario, Canada, January, 27, 2006.
218. Spinal Osteotomies: Types, techniques and results. Advanced Techniques in Deformity Surgery for Pediatric Spine Surgeons. Phoenix, AZ, February 18, 2006.
219. Staying Out of Trouble in Pediatric Spine Surgery. Course Faculty, Current Controversies and Decision Making Strategies for Deformity Surgery, March 4, 2006.
220. Hybrid Vs. Pedicle Screw Construct for a 60-Degree Idiopathic Scoliosis. Current Controversies and Decision Making Strategies for Deformity Surgery, Course Faculty, March 4, 2006.
221. "Staying out of Trouble with Congenital and Developmental Disorders", Instructional Course Lecture - Staying Out of Trouble with Your Pediatric Patients, American Academy of Orthopaedic Surgeons, 73rd Annual Meeting, Chicago, IL, March 22-26, 2006.
222. "Fractures About the Knee and Ankle", Symposium, American Academy of Orthopaedic Surgeons, 73rd Annual Meeting, Chicago, IL, March 22-26, 2006.
223. "The Difficult Supracondylar Humerus Fracture", Instructional Course Lecture, American Academy of Orthopaedic Surgeons, 73rd Annual Meeting, Chicago, IL, March 22-26, 2006.
224. "Fractures of the Upper and Lower Extremities in Children", Orthopedic Review Course, American Academy of Orthopaedic Surgeons, 73rd Annual Meeting, Chicago, IL, March 22-26, 2006.
225. "Treatment Strategies for Pediatric Fractures and Other Injuries and the Problems of Access, Ethical and Practical. Specialty Day, American Academy of Orthopaedic Surgeons, 7rd Annual Meeting, Chicago, IL, March 22-26, 2006.
226. "Use of Downsized Spinal Instrumentation in Children and Small-Stature Adults", Course Faculty, Current Techniques and Advances in the Use of Thoracic Pedicle Screws, Phoenix, AZ, April 8, 2006.
227. "Kyphosis", La Jolla spine Symposium, Scoliosis Association, La Jolla, CA, April 29, 2006.
228. "Is Neruological Monitoring Really Necessary for All VEPTR Surgeries" Pediatric Orthopedic Society of North America, May 5, 2006.
229. "Complications of Growing Spinal Instrumentation", Pediatric Orthopedic Society of North America, One-Day Course, May 3, 2006.

230. “Orthopedic Physical Examination”, Arnold Palmer Hospital for Children, Orlando, Florida, May 2, 2006.
231. “Open Fractures in Children”, Arnold Palmer Hospital for Children, Orlando, Florida, May 2, 2006.
232. “Don’t Miss This! – Commonly Missed Fractures in Children”, Arnold Palmer Hospital for Children, Orlando, Florida, May 2, 2006.
233. “Growing Spinal Instrumentation in Young Children”, Arnold Palmer Hospital for Children, Orlando, Florida, May 2, 2006.
234. “Advances in Supracondylar Humerus Fractures”, Harvard University, Boston Childrens Hospital, Boston, MA, May 30-31, 2006.
235. “Fracture Care: Access, On-Call, Politics, \$, and Patient Safety” Harvard University, Boston Childrens Hospital, Boston, MA, May 30-31, 2006.
236. “Used of Downsized Spinal Instrumentation in Children and Small-Stature Adults”, Advanced Technologies in Spinal Treatment, Tokyo, Japan, June 10-11, 2006.
237. “Torticollis to Scoliosis: Spine Problems in Children”, Faculty, American Academy of Pediatrics, Pediatrics in the Islands, June 25-July 1, 2006.
238. “The Office Orthopaedic Exam”, Faculty, American Academy of Pediatrics, Pediatrics in the Islands, June 25-July 1, 2006.
239. “Pediatric Sports Medicine – Upper Extremity”, Faculty, American Academy of Pediatrics, Pediatrics in the Islands, June 25-July 1, 2006.
240. “Pediatric Sports Medicine – Lower Extremity”, Faculty, American Academy of Pediatrics, Pediatrics in the Islands, June 25-July 1, 2006.
241. “Don’t Miss This!: Fakeouts in Orthopaedic Trauma in Children”, Faculty, American Academy of Pediatrics, Pediatrics in the Islands, June 25-July 1, 2006.
242. “Specific Pediatric Deformity Correction Techniques”, International Meeting of Advanced Spinal Techniques, Scoliosis Research Society, Athens, Greece, July 14, 2006.
243. “Is Neurological Monitoring Necessary for VEPTR Surgery”, International Meeting of Advanced Spinal Techniques, Scoliosis Research Society, Athens, Greece, July 14, 2006.
244. “You Need a Halo Like You Need a Hole in the Head”, International Pediatric Orthopaedic Think Tank, New York, New York, August 18, 2006.

245. “Pediatric Sports Medicine – Lower Extremity”, Faculty, American Academy of Pediatrics, Pediatric Update, Las Vegas, NV, November 16-19, 2006.
246. “Don’t Miss This!: Fakeouts in Orthopaedic Trauma in Children”, Faculty, American Academy of Pediatrics, Pediatric Update, Las Vegas, NV, November 16-19, 2006.
247. “The Office Orthopaedic Exam”, Faculty, American Academy of Pediatrics, Pediatric Update, Las Vegas, NV, November 16-19, 2006.
248. “Torticollis to Scoliosis: Spine Problems in Children”, Faculty, American Academy of Pediatrics, Pediatric Update, Las Vegas, NV, November 16-19, 2006.
249. Course faculty, “Infection Prevention and Management in Open Fractures in Children”, 3rd International POSNA/AAOS Pediatric Orthopedic Symposium, Nov 29-Dec 3, 2006, Orlando, FL.
250. Course faculty, “Osteotomy Tips in Cubitus Varus”, 3rd International POSNA/AAOS Pediatric Orthopedic Symposium, Nov 29-Dec 3, 2006, Orlando, FL.
251. Course faculty, “Proximal Humerus Fractures in Children”, 3rd International POSNA/AAOS Pediatric Orthopedic Symposium, Nov 29-Dec 3, 2006, Orlando, FL.
252. Course faculty, “Supracondylar Humerus Fractures”, 3rd International POSNA/AAOS Pediatric Orthopedic Symposium, Nov 29-Dec 3, 2006, Orlando, FL.
253. Course faculty, “Fractures About the Knee”, 3rd International POSNA/AAOS Pediatric Orthopedic Symposium, Nov 29-Dec 3, 2006, Orlando, FL.
254. Course faculty, “Temporary Internal Distraction in the Treatment of Severe Scoliosis”, 3rd International POSNA/AAOS Pediatric Orthopedic Symposium, Nov 29-Dec 3, 2006, Orlando, FL.
255. Michael G. Vitale, David P. Roye, Hiroko Matsumoto, Randal R. Betz, John B. Emans, David L. Skaggs, John T. Smith, Kit Song, Robert M. Campbell. Health Related Quality of Life in Children with Thoracic Insufficiency Syndrome, American Academy of Orthopaedic Surgeons, San Diego, CA, Feb 14-18, 2007.
256. Course Faculty, Fractures of the Upper and Lower Extremities, AAOS Review Course, American Academy of Orthopaedic Surgeons, San Diego, CA, Feb 14-18, 2007.
257. Treatment of cervicothoracic deformity using new methods of fixation, Federation of Spine Societies, American Academy of Orthopaedic Surgeons, San Diego, CA, Feb 17, 2007.
258. “Spinal Osteotomies in Pediatric Spinal Deformity”, Advanced Techniques in Deformity Surgery for Pediatric Spine Surgeons. Phoenix, AZ, February 18, 2006

259. "What's New in Pediatric Spine Surgery", Current Concepts in Pediatric Orthopaedics, British Society for Children's Orthopaedic Surgery, London, England, Feb 28, 2007.
260. "Cerebral Palsy The American Viewpoint", Current Concepts in Pediatric Orthopaedics, British Society for Children's Orthopaedic Surgery, London, England, March 1, 2007.
261. "Fracture Care in the USA: Access, On-Call, \$\$, Politics & Patient Safety", Current Concepts in Pediatric Orthopaedics, British Society for Children's Orthopaedic Surgery, London, England, March 1, 2007.
262. "Treatment of Open Fractures in Children", Current Concepts in Pediatric Orthopaedics, British Society for Children's Orthopaedic Surgery, London, England, March 2, 2007.
263. "Supracondylar Fractures: What is the State of the Art", Current Concepts in Pediatric Orthopaedics, British Society for Children's Orthopaedic Surgery, London, England, March 2, 2007.
264. "Fracture: Access, On-Call, \$\$, Politics & Patient Safety", Houston Orthopaedic Society, Houston Texas, April 19, 2007.
265. "What's New in Pediatric Spine Surgery", 35th Annual Shriners Pediatric Orthopaedic Lectureship, The University of Texas medical Branch at Galveston and Shriners Hospitals for Children-Houston. Houston, Texas, April 20, 2007.
266. "Facing Challenges in Pediatric Spinal Deformity", 35th Annual Shriners Pediatric Orthopaedic Lectureship, The University of Texas medical Branch at Galveston and Shriners Hospitals for Children-Houston. Houston, Texas, April 20, 2007.
267. "Spinal Osteotomies in Pediatric Spinal Deformity", 35th Annual Shriners Pediatric Orthopaedic Lectureship, The University of Texas medical Branch at Galveston and Shriners Hospitals for Children-Houston. Houston, Texas, April 20, 2007.
268. "Temporary Rods in the Correction of Severe Spine Deformity", Department of Orthopaedic Surgery, Niigata University, Niigata, Japan, April 25, 2007.
269. "New Approaches in Pediatric Deformity Instrumentation", 36th Annual Japanese Society for Spine Surgery and Related Research. Kanazawa, Japan, April 27, 2007.
270. "Politics, Trauma Call, \$\$, Patient Safety", The 14th Annual John M. Roberst Visiting Professorship, Childrens Hospital of New Orleans, New Orleans, LA, May 11, 2007.
271. "Some Advances in Pediatric Spine Surgery", The 14th Annual John M. Roberts Visiting Professorship, Childrens Hospital of New Orleans, New Orleans, LA, May 11, 2007.
272. Albretson, Josh, Kay, Robert M, Vaishnav, Suketu, **Skaggs, David L.**, "How Safe is the Operative Treatment of Type II Supracondylar Humerus Fractures?" Pediatric Orthopaedic

Society of North America Annual Meeting, Hollywood, Florida, May 24-26, 2007.

273. Limpaphayom , Noppachart; McComb, Gordon; Krieger, Mark;. Tolo Vernon T; **Skaggs, David L.**, "How Safe is the Operative Treatment of Type II Supracondylar Humerus Fractures?" Pediatric Orthopaedic Society of North America Annual Meeting, Hollywood, Florida, May 24-26, 2007.
274. "Pediatric Spinal Deformity Correction Techniques", Instructional Course Lecture, International Meeting of Advanced Spinal Techniques, Nassau, Bahamas, July 12-14, 2007.
275. "Challenges with Growing Rods in Fusionless Treatment of Early-Onset Scoliosis", Instructional Course Lecture, International Meeting of Advanced Spinal Techniques, Nassau, Bahamas, July 12-14, 2007.
276. "Temporary Rods in Severe Neuromuscular Scoliosis", Faculty, Instructional Course Lecture, Scoliosis Research society, 42nd Annual Meeting, Edinburgh, Scotland, September 5-8, 2007.
277. "Complications of Halo Use in children", Scoliosis Research society, 42nd Annual Meeting, Edinburgh, Scotland, September 5-8, 2007.
278. **Skaggs, DL**, Sankar WN, Albrekston J, Wren T, Campbell, RM. "Nutritional Improvement Following VEPTR Surgery in Children with Thoracic Insufficiency Syndrome", Scoliosis Research society, 42nd Annual Meeting, Edinburgh, Scotland, September 5-8, 2007.
279. "Non-Fusion Treatment of Early Onset Scoliosis", 1st International Congress on Early Scoliosis & Growing Spine, Madrid, Spain, November 2-3, 2007.
280. "Cervicothoracic Scoliosis in the Growing Child", 1st International Congress on Early Scoliosis & Growing Spine, Madrid, Spain, November 2-3, 2007.
281. "Vertebral Column Derotation and Fusionless Options in AIS", 1st International Congress on Early Scoliosis & Growing Spine, Madrid, Spain, November 2-3, 2007.
282. "Pro: Early Surgery for Early Onset Scoliosis", 1st International Congress on Early Scoliosis & Growing Spine, Madrid, Spain, November 2-3, 2007.
283. Course faculty, "Sagittal Plane Spine Deformities", 4th International POSNA/AAOS Pediatric Orthopedic Symposium, , Orlando, FL, Nov 28-Dec 1, 2007
284. Course faculty, "Staying Out of Trouble in Early Onset and Congenital Scoliosis", 4th International POSNA/AAOS Pediatric Orthopedic Symposium, Orlando, FL, Nov 28-Dec 1, 2007.

285. “Spinal Osteotomies in Pediatric Spinal Deformity”, Advanced Techniques in Deformity Surgery for Pediatric Spine Surgeons, Los Angeles, CA, Feb 15, 2008.
286. Spine Problems in Young Athletes, Symposium, American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA, March 6, 2008.
287. “Philosophy and Treatment Options in Early Onset Scoliosis”, Course Faculty, Spinal Deformity Summit, Miami, FL, April 11, 2008.
288. “Internal and External Traction in the Treatment of Severe Adolescent Idiopathic Scoliosis” Spine Session, Pediatric Orthopaedic Society of North America Annual Meeting, Albuquerque, NM, May 1, 2008.
289. “Update on Supracondylar Humerus Fractures” Chicago Shriners Hospital, Chicago, IL, May 9, 2008.
290. “Pediatric Spine Deformity” Spine Week 2008, Geneva, Switzerland, May 26-31, 2008.
291. “Apical Derotation. Is it a proven technique?” Spine Week 2008, Geneva, Switzerland, May 26-31, 2008.
292. “Philosophy and rationale for apical derotation technique in the treatment of spinal deformities: Tips & Tricks with surgical technique. Spine Week 2008, Geneva, Switzerland, May 26-31, 2008.
293. “Thoracic Apical Derotation and Temporary Internal Distraction Rods”, Scoliosis Research Society’s International Meeting of Advanced Spinal Techniques, Hong Kong, July 11, 2008
294. Neurologic Risk in Growing Rod Surgery in Children: Is Neuromonitoring Necessary in All Cases? Wudbhav N. Sankar, MD; **David L. Skaggs, MD**; John B. Emans, MD; David S. Marks, MD; John P. Dormans, MD; George H. Thompson, MD; Suken A. Shah, MD; Paul D. Sponseller, MD; and Behrooz A. Akbarnia, MD and Growing Spine Study Group. Scoliosis Research Society, 43rd Annual Meeting, Salt Lake City, Utah, Sept 11, 2008.
295. “Controversies in the Treatment of Supracondylar Humerus Fractures in Children”, American Academy of Orthopaedic Surgeons, Top Orthopaedic Controversies, , Irvine CA, Sept. 20, 2008.
296. The Pulseless Supracondylar Humerus Fracture: How Often is Fracture Reduction Sufficient? Choi, PD; Melikian, R; **Skaggs, DL**. Annual Meeting of the International Pediatric Orthopaedic Think Tank, Charleston, South Carolina, Oct 30, 2008.
297. Shortening of Growing Spinal Rods Reverses Cardiac Failure in Child with Marfan Syndrome and Scoliosis. **Skaggs DL**, Bushman G, Grunander T, Sankar W, Tolo VT. Annual Meeting of the International Pediatric Orthopaedic Think Tank, Charleston, South

Carolina, Oct 30, 2008.

298. **David L. Skaggs**, Behrooz Akbarnia, John Flynn, Karen Myung, Paul Sponsellar, Michael Vitale “Classification of Treatment of Early Onset Scoliosis”, 2nd International Congress on Early Onset Scoliosis & Growing Spine, Montreal, Canada, Nov 7-8, 2008.
299. Neurologic Risk in Growing Rod Surgery in Children: Is Neuromonitoring Necessary in All Cases? Wudbhav N. Sankar, MD; **David L. Skaggs, MD**; John B. Emans, MD; David S. Marks, MD; John P. Dormans, MD; George H. Thompson, MD; Suken A. Shah, MD; Paul D. Sponseller, MD; and Behrooz A. Akbarnia, MD and Growing Spine Study Group. 2nd International Congress on Early Onset Scoliosis & Growing Spine, Montreal, Canada, Nov 7-8, 2008.
300. Spine Based Treatment of Early Onset Scoliosis, 2nd International Congress on Early Onset Scoliosis & Growing Spine, Montreal, Canada, Nov 7-8, 2008.
301. Shortening of Growing Spinal Rods Reverses Cardiac Failure in Child with Marfan Syndrome and Scoliosis. **Skaggs DL**, Bushman G, Grunander T, Sankar W, Tolo VT. 2nd International Congress on Early Onset Scoliosis & Growing Spine, Montreal, Canada, Nov 7-8, 2008.
302. “New Methods and Technology for Derotation in Deformity Corrections”, 2nd International Congress on Early Onset Scoliosis & Growing Spine, Montreal, Canada, Nov 7-8, 2008.
303. “Advanced Techniques in Spinal Deformity Correction: Direct Vertebral Rotation” 5th International POSNA/AAOS Pediatric Orthopedic symposium, Dec 2, 2008, Orlando, FL
304. “Pedicle Screw Techniques: Vertebral Column Manipulation” 5th International POSNA/AAOS Pediatric Orthopedic symposium, Dec 3, 2008, Orlando, FL
305. “Techniques for Segmental Derotation” 5th International POSNA/AAOS Pediatric Orthopedic symposium, Dec 4, 2008, Orlando, FL
306. “Advanced Techniques in Spinal Deformity: Direct Vertebral Derotation”, Invited Guest Speaker, The 3rd Xiangya International Spinal Surgery Congress and 2009 ChangSha Training Course on New Techniques of Spinal Surgery, ChangSha, China, January 10, 2009.
307. “Advanced Techniques in Spinal Deformity: Tips and New Techniques”, Shanghai, China, January 12, 2009.
308. “Use of Temporary Rods for Severe Scoliosis”, 2nd (Military) Hospital, Xian, China, January 13, 2009.

309. "Use of Temporary Rods in the Treatment of Severe Scoliosis", Cedar-Sinai Annual Current Concepts in Spinal Disorders, Las Vegas, NV, January 30, 2009.
310. "Direct Vertebral Rotation with a VCM system: Theory and Practice", Complexities in the Treatment of Spinal Deformity Surgery, Leiden, The Netherlands, Feb 5, 2009.
311. "Use of Temporary Rods for Severe Scoliosis", Complexities in the Treatment of Spinal Deformity Surgery, Leiden, The Netherlands, Feb 5, 2009.
312. "Vertebral Derotation", Advanced Techniques in Deformity Surgery for Spine Surgeons, Philadelphia, PA, February 20-21, 2009.
313. "Osteotomies and Pedicle Subtraction Osteotomies", Advanced Techniques in Deformity Surgery for Spine Surgeons, Philadelphia, PA, February 20-21, 2009.
314. "Use of Temporary Rods for Severe Scoliosis", Advanced Techniques in Deformity Surgery for Spine Surgeons, Philadelphia, PA, February 20-21, 2009.
315. "Supracondylar Humerus Fractures", Symposium - Pediatric Fracture Management: Case Based Learning, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV, Feb 26, 2009.
316. "Distal Femoral Physeal Fractures", Symposium - Pediatric Fracture Management: Case Based Learning, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV, Feb 26, 2009.
317. "History, physical, and imaging: Spine Problems in Young Athletes." Instructional Course Lecture, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, NV, Feb 26, 2009.
318. "Pediatric Spine", American Academy of Orthopaedic Surgeons Annual Meeting, Orthopaedic Review Course, Las Vegas, NV, Feb 27, 2009
319. "Fusion Levels in Adolescent Idiopathic Scoliosis", Pediatric Spinal Deformity: On the Cutting Edge II. Coral Gables, FL, April 3-4, 2009.
320. "Growing Rods 2009: Indications, Results, Techniques, Complications" Pediatric Spinal Deformity: On the Cutting Edge II. Coral Gables, FL, April 3-4, 2009.
321. "Making Sense of Options for Early Onset Spinal Deformity: What are the Best Choices?", Pediatric Spinal Deformity: On the Cutting Edge II. Coral Gables, FL, April 3-4, 2009.
322. "Shortening of Growing Spinal Rods to Reverse Cardiac Failure and Neurological Impairment" Pediatric Orthopedic Society of North America, Annual Meeting, Boston

Massachusetts, April 30, 2009

323. "Treatment of Open Fractures", Congress of Pediatric Orthopaedic Trauma, Brazilian Pediatric Orthopaedic Society, Belo Horizonte, Brazil, May 29-30,2009.
324. "Supracondylar Humerus Fractures", Congress of Pediatric Orthopaedic Trauma, Brazilian Pediatric Orthopaedic Society, Belo Horizonte, Brazil, May 29-30,2009.
325. "Fractures about the Knee, Tibia and Ankle", Congress of Pediatric Orthopaedic Trauma, Brazilian Pediatric Orthopaedic Society, Belo Horizonte, Brazil, May 29-30,2009.
326. "Torticollis to Scoliosis: Spine Problems in Children", Pediatrics in the Islands, Clinical Pearls. American Academy of Pediatrics, Maui, June 27-July3, 2009.
327. "The Orthopaedic Office Exam", Pediatrics in the Islands, Clinical Pearls. American Academy of Pediatrics, Maui, June 27-July3, 2009.
328. "Sports Medicine in Children: Upper Extremity", Pediatrics in the Islands, Clinical Pearls. American Academy of Pediatrics, Maui, June 27-July3, 2009.
329. "Sports Medicine in Children: Lower Extremity", Pediatrics in the Islands, Clinical Pearls. American Academy of Pediatrics, Maui, June 27-July3, 2009.
330. "Hip Problems in Children", Pediatrics in the Islands, Clinical Pearls. American Academy of Pediatrics, Maui, June 27-July3, 2009.
331. "Pediatric Orthopaedic Trauma for the Pediatrician", Pediatrics in the Islands, Clinical Pearls. American Academy of Pediatrics, Maui, June 27-July3, 2009.
332. "Use of Temporary Rods in Correction of Severe Scoliosis", New Techniques in Deformity Treatment Symposium, Aalborg, Denmark, August 20, 2009.
333. "Use of Growing Rods in the Treatment of Early Onset Scoliosis", New Techniques in Deformity Treatment Symposium, Aalborg, Denmark, August 20, 2009.
334. Invited Guest Lecture, Nordic Spinal Deformity Society 2009 Annual Meeting, "Treatment Options for Early Onset Scoliosis", Aalborg, Denmark, August 21, 2009.
335. "Shortening of Growing Spinal Rods to Reverse Cardiac Failure and Neurological Impairment", Nordic Spinal Deformity Society 2009 Annual Meeting, Aalborg, Denmark, August 21, 2009.
336. The Growing Spine, Symposium, Scoliosis Research Society 44th Annual Meeting, San Antonio, TX, September 25, 2009.

337. Wudbhav N. Sankar; **David L. Skaggs**; Muharrem Yazici, Charles E. Johnston, Pooya Javidan; Rishi V. Kadakia; Thomas F. Day; Behrooz A. Akbarnia. Lengthening of Dual Growing Rods and the Law of Diminishing Returns. Scoliosis Research Society 44th Annual Meeting, San Antonio, TX, September 25, 2009.
338. Direct vertebral rotation. Advanced Techniques in Deformity Correction, Las Vegas, Nevada, November 6, 2009.
339. Infantile and Juvenile Scoliosis. Advances in Spine: Pediatric Deformity. Sunnyvale, CA, November 8, 2009.
340. Thoracic Pedicle Anatomy and Start Points. Advances in Spine: Pediatric Deformity. Sunnyvale, CA, November 8, 2009.
341. Determining Fusion Levels in AIS. Advances in Spine: Pediatric Deformity. Sunnyvale, CA, November 8, 2009.
342. Surgery for Myelomeningocele Spinal Deformities. Advances in Spine: Pediatric Deformity. Sunnyvale, CA, November 8, 2009.
343. Intra-Operative Traction In Spinal Deformity Surgery. Advances in Spine: Pediatric Deformity. Sunnyvale, CA, November 8, 2009.
344. "Hip Problems from Infancy to Adolescence", Faculty, 31st Annual Las Vegas Seminars, American Academy of Pediatrics, Las Vegas, NV, November 19-21, 2009.
345. "The Orthopaedic Office Examination", Faculty, 31st Annual Las Vegas Seminars, American Academy of Pediatrics, Las Vegas, NV, November 19-21, 2009.
346. "Spine Problems in Children: Torticollis to Scoliosis" Faculty, 31st Annual Las Vegas Seminars, American Academy of Pediatrics, Las Vegas, NV, November 19-21, 2009.
347. "Office Management of Orthopaedic Trauma", Faculty, 31st Annual Las Vegas Seminars, American Academy of Pediatrics, Las Vegas, NV, November 19-21, 2009.
348. "Beyond traditional GRs and VEPTRs: novel fixation hybrids.", 6th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 2-5, 2009.
349. "Evaluating the teen athlete with back pain.", 6th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 2-5, 2009.
350. "Open Fractures in Children", 6th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 2-5, 2009.

351. “Vertebral Derotation in Scoliosis Surgery.”, 6th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 2-5, 2009.
352. “Classification of Surgical Treatment for Early Onset Scoliosis.”, 6th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 2-5, 2009.
353. “How to look for a Job: What is Really Important”, 6th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 2-5, 2009.
354. “Use of Power in Pedicle Screw Placement.”, 6th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 2-5, 2009.
355. “Low Profile Pelvic Fixation in Spinal Deformity Correction.”, 6th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 2-5, 2009.
356. “Treatment of Spondylolysis and Spondylolisthesis.” 6th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 2-5, 2009.
357. “Idiopathic Scoliosis in the Teenage and Young Adult.” 19th Annual Dr. Tom Lowe Spine Symposium, The Surgical Management of Spinal Disorders. Beaver Creek, Co, January 18, 2010.
358. “Growing rod Constructs in Early Onset Scoliosis: Decision Making, Timing and Complications” 9th Annual Symposium on Current Concepts in Spinal Disorders”, Las Vegas, NV, Feb 6, 2010.
359. “Hip Problems in Children” *American Academy of Pediatrics, California Chapter 2*, Clinical Pediatrics Conference – Palm Springs, CA, February 11-14, 2010.
360. “The Office Orthopaedic Exam” *American Academy of Pediatrics, California Chapter 2*, Clinical Pediatrics Conference – Palm Springs, CA, February 11-14, 2010.
361. “What’s New in Sports Medicine for Children?” *American Academy of Pediatrics, California Chapter 2*, Clinical Pediatrics Conference – Palm Springs, CA, February 11-14, 2010.
362. “Back Pain, Scoliosis and Other Spine Problems in Kids” *American Academy of Pediatrics, California Chapter 2*, Clinical Pediatrics Conference – Palm Springs, CA, February 11-14, 2010.
363. “Pediatric Spine”, American Academy of Orthopaedic Surgeons, Orthopaedic Review Course, New Orleans, LA, March 12, 2010.
364. “History, Physical Exam and Imaging”, Instructional Course Lecture: Back pain in Athletes”, American Academy of Orthopaedic Surgeons, 2010 Annual Meeting, New

Orleans, LA, March 12, 2010.

365. Instructional Course Lecture: The Difficult Supracondylar Humerus Fracture, American Academy of Orthopaedic Surgeons, 2010 Annual Meeting, New Orleans, LA, March 12, 2010.
366. "Infection and Tumors", Instructional Course Lecture: Staying Out of Trouble in Pediatric Orthopaedics, American Academy of Orthopaedic Surgeons, 2010 Annual Meeting, New Orleans, LA, March 12, 2010.
367. "Growing Rod Techniques", Advanced Techniques in Complex Pediatric Spine Surgery. Salt Lake City, March 26-27, 2010.
368. "Temporary Distraction Rods in the Treatment of Severe Scoliosis", Advanced Techniques in Complex Pediatric Spine Surgery. Salt Lake City, March 26-27, 2010.
369. "Fusion Levels in Adolescent Idiopathic Scoliosis", Advanced Techniques in Complex Pediatric Spine Surgery. Salt Lake City, March 26-27, 2010.
370. "Early Onset Scoliosis: An Update for 2010", Dupont Institute, Wilmington, DE, May 28, 2010.
371. "Staying Fit Pushing 50", Amherst College, Amherst, MA, May 29, 2010.
372. "Vertebral Derotation, Use of Temporary Rods in Severe Scoliosis and Power Assisted Pedicle Screws." 1st Annual Southwest Deformity Meeting, San Diego, CA. July 16-17, 2010.
373. Vertebral Derotation in Scoliosis Correction. Schulthess Clinic. Zurich, Switzerland, September 9, 2010.
374. Use of Temporary Rods in Severe Scoliosis. Schulthess Clinic. Zurich, Switzerland, September 9, 2010.
375. "The Law of Diminishing Returns and Growing Spinal Rods", Annual Meeting, International Pediatric Orthopaedic Think Tank, Stockholm, Sweden, Sept 10-12, 2010.
376. "Pedicle Screws have Less Complications than Hooks in Children <10 Years Old with Growing Rods", Annual Meeting, International Pediatric Orthopaedic Think Tank, Stockholm, Sweden, Sept 10-12, 2010.
377. "Hybrid Growing Spinal Implants: A Multi-Center Study", Annual Meeting, International Pediatric Orthopaedic Think Tank, Stockholm, Sweden, Sept 10-12, 2010.
378. "Orthopaedic Surgeons in California are Less Likely to Care for Children with Private Insurance over Last Decade" Annual Meeting, International Pediatric Orthopaedic Think

Tank, Stockholm, Sweden, Sept 10-12, 2010.

379. **Skaggs, DL.** Myung, K. Johnston, C, Akbarnia, B. "Pedicule Screws Have Fewer Complications than Hooks in Children with Growing Rods ", Scoliosis Research Society, 45th Annual Meeting, Kyoto, Japan, September 21-24, 2010.
380. **Skaggs, DL.** Myung, K. Yazici, M. Diab, M. Noordeen, H. Vitale, M. Johnston. "Hybrid Growth Rods using Spinal Implants on Ribs". Scoliosis Research Society, 45th Annual Meeting, Kyoto, Japan, September 21-24, 2010.
381. "Classification of Growing Spine Treatments and my Decision Algorithm." Faculty, Instructional Course Lecture, Scoliosis Research Society, 45th Annual Meeting, Kyoto, Japan, September 21-24, 2010.
382. "Novel Growing Spine Options and The Future of Growing Approaches." Faculty, Instructional Course Lecture, Scoliosis Research Society, 45th Annual Meeting, Kyoto, Japan, September 21-24, 2010.
383. "Use of Intra-Operative Traction and Temporary Rods in Severe Scoliosis" Current Controversies in Spinal Deformity Surgery, Las Vegas, NV, November 5, 2010.
384. "Power Assisted Pedicle Screw Placement" Current Controversies in Spinal Deformity Surgery, Las Vegas, NV, November 5, 2010.
385. "Back Pain in Young Athletes", Invited Speaker, XXIV Congreso Internacional, Sociedad Mexicana De Orthopaedia Pediatrica. Oueretaro, Mexico, November 13-15, 2010.
386. "An Update on Supracondylar Humerus Fractures", Invited Speaker, XXIV Congreso Internacional, Sociedad Mexicana De Orthopaedia Pediatrica. Oueretaro, Mexico, November 13-15, 2010.
387. "Elbow Fractures in Children", Invited Speaker, XXIV Congreso Internacional, Sociedad Mexicana De Orthopaedia Pediatrica. Oueretaro, Mexico, November 13-15, 2010.
388. "Open Fractures in Children", Invited Speaker, XXIV Congreso Internacional, Sociedad Mexicana De Orthopaedia Pediatrica. Oueretaro, Mexico, November 13-15, 2010.
389. "Hybrid Growing Spinal Implants" International Congress on Early Onset Scoliosis, Toronto, Canada, November, 19 & 20, 2010.
390. "Vertebral Column Manipulation in AIS", International Congress on Early Onset Scoliosis, November, 19 & 20, 2010.
391. "Spondylolysis Operative Treatment: Ever? If yes, What?" 7th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Lake Buena Vista, FL, December 1-4, 2010.

392. "Derotation with Vertebral Column Manipulation". 7th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Lake Buena Vista, FL, December 1-4, 2010.
393. "Use of Power in Pedicle Screw Placement", 7th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Lake Buena Vista, FL, December 1-4, 2010.
394. " Back pain: Imaging Algorithm", 7th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Lake Buena Vista, FL, December 1-4, 2010.
395. " A Career in Pediatric Orthopaedics: Your First Job". 7th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Lake Buena Vista, FL, December 1-4, 2010.

396. "Supracondylar Fractures: Pulses And Hand Color: When To Pin And Watch, When To Open, And When To Call Your Vascular Friend." 7th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Lake Buena Vista, FL, December 1-4, 2010.

397. "An Update for Growing Spine Implants in 2011." "New" 2nd Annual Pediatric Orthopedic Visiting Professorship, Department of Orthopedics and Sports Medicine, Seattle Children's Hospital, Seattle, WA, January 21, 2011.

398. "Controversies in Supracondylar Humerus Fractures", "New" 2nd Annual Pediatric Orthopedic Visiting Professorship, Department of Orthopedics and Sports Medicine, Seattle Children's Hospital, Seattle, WA, January 21, 2011.

399. "New, Fun Pediatric Stuff". "New" 2nd Annual Pediatric Orthopedic Visiting Professorship, Department of Orthopedics and Sports Medicine, Seattle Children's Hospital, Seattle, WA, January 21, 2011.

400. Keynote Speaker for the L.T.Staheli Pediatric Orthopaedic Seminar. "Don't Miss This: Fakeouts in Pediatric Orthopaedics", Seattle Children's Hospital, Seattle, WA, January 22, 2011.

401. "State of the Art Scoliosis Surgery: What I Would do in My Daughter" 10th Annual Symposium on Current Concepts in Spinal Disorders 2011", February 3-5, 2011, Las Vegas, NV.

402. "Pediatric Spine" Orthopaedic Review Course, American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, Ca, February 18, 2011.

403. "Complications in Neuromuscular Scoliosis", Instructional Course Lecture Faculty: Complications of Pediatric Spinal Surgery, American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, Ca, February 17, 2011.

404. "Infections in Pediatric Spine Surgery", Instructional Course Lecture Faculty: Complications of Pediatric Spinal Surgery, American Academy of Orthopaedic Surgeons Annual

Meeting, San Diego, Ca, February 17, 2011.

405. "Infections and Tumors", Instructional Course Lecture Faculty: Staying Out of Trouble in Pediatric Orthopaedics, American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, Ca, February 17, 2011.

406. **Skaggs, DL.** Myung, K. Johnston, C, Akbarnia, B. "Pedicule Screws Have Fewer Complications than Hooks in Children with Growing Rods, American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, Ca, February 17, 2011.

407. "When and How to Fuse to the Pelvis in Neuromuscular Deformity". Pediatric Spine Deformity: On the Cutting Edge III. Coral Gables, FL. April 1-2, 2011.

408. "Evidence Base Medicine Approach to Open Fractures in Children". Pediatric Orthopaedic Society of North America One-Day Course, Montreal, Canada, May, 11, 2011.

409. **Skaggs DL,** Lee C, Myung, K. "Neuromonitoring Changes are Common and Reversible with Temporary Distraction Rods for Severe Scoliosis", Pediatric Orthopaedic Society of North America, Montreal, Canada, May, 12-14, 2011.

410. "Use of Temporary Distraction Rods for in the Treatment of Severe Scoliosis ", Scoliosis Research Society. Faculty, One Day Course, Louisville, Kentucky, Sept 14, 2011.

411. Skaggs KF, Myung KS, Brasher A, **Skaggs DL.** "Posterior Tether for Progressive Kyphoscoliosis in a Nine Year Old", Scoliosis Research Society. 46th Annual Meeting and Course, Louisville, Kentucky, Sept 14, 2011.

412. "Use of Hybrid Growth Rods", Instructional Course Lecture, Scoliosis Research Society. 46th Annual Meeting and Course, Louisville, Kentucky, Sept 15, 2011.

413. **Skaggs DL,** Lee C, Myung, K. "Neuromonitoring Changes are Common and Reversible with Temporary Distraction Rods for Severe Scoliosis (Mean 113°)", Scoliosis Research Society. 46th Annual Meeting and Course, Louisville, Kentucky, Sept 16, 2011.

414. Staying out of trouble with infections and tumors in pediatric orthopaedics. XV Congreso Nacional de Ortopedia y Traumatologia, Asociacion Costarricense de Ortopedia y Traumatologia, San Jose, Costa Rica, September 23, 2011.

415. Technique in treatment of supracondylar humerus fractures. XV Congreso Nacional de Ortopedia y Traumatologia, Asociacion Costarricense de Ortopedia y Traumatologia, San Jose, Costa Rica, September 23, 2011.

416. Back pain in teen athletes: evaluation and management. XV Congreso Nacional de Ortopedia y Traumatologia, Asociacion Costarricense de Ortopedia y Traumatologia, San Jose, Costa Rica, September 23, 2011.

417. Open fractures: evaluation and management. XV Congreso Nacional de Ortopedia y Traumatología, Asociación Costarricense de Ortopedia y Traumatología, San Jose, Costa Rica, September 23, 2011.
418. Surgical humeral lateral condyle fractures: a new classification system predictive of complications. XV Congreso Nacional de Ortopedia y Traumatología, Asociación Costarricense de Ortopedia y Traumatología, San Jose, Costa Rica, September 23, 2011.
419. Supracondylar fractures, pulses and hand color: evaluation and management. XV Congreso Nacional de Ortopedia y Traumatología, Asociación Costarricense de Ortopedia y Traumatología, San Jose, Costa Rica, September 23, 2011.
420. Temporary Rods in the Correction of Severe Spinal Deformity, Current Controversies in Spinal Deformity, Las Vegas, NV, Oct 8, 2011.
421. Power Assisted Pedicle Screws, Current Controversies in Spinal Deformity, Las Vegas, NV, Oct 8, 2011.
422. Advances in Scoliosis Surgery. Tokyo University, Tokyo, Japan, Oct 25, 2011.
423. Advances in Scoliosis Surgery. Juntendo University, Tokyo, Japan, Oct 25, 2011.
424. Advances in Scoliosis Surgery. Showa University, Tokyo, Japan, Oct 25, 2011.
425. Advances in Scoliosis Surgery. Japanese Scoliosis Research Society, Fukuoka, Japan, Oct 26, 2011.
426. Fractures of the Proximal Radius, Seminar on Pediatric Fractures, Valencia, Spain, Nov3-4, 2011.
427. Fractures of the Spine, Seminar on Pediatric Fractures, Valencia, Spain, Nov3-4, 2011.
428. Supracondylar Fractures, Seminar on Pediatric Fractures, Valencia, Spain, Nov3-4, 2011.
429. Open Fractures in Children. Seminar on Pediatric Fractures, Valencia, Spain, Nov3-4, 2011.
430. "How I Make Hybrid Growing Rods", 4th Annual International Congress on Early Onset Scoliosis and Growing Spine, Orlando, Florida, Nov 18-19, 2011.
431. Posterior Spinal Osteotomies, Instructional Course Lecture, 4th Annual International Congress on Early Onset Scoliosis and Growing Spine, Orlando, Florida, Nov 18-19, 2011.
432. Skaggs, KF. Brasher, A. Johnston, C. Purvis, J. Smith, J. Skaggs, DL "Loss of Fixation of Upper Thoracic Pedicle Screws Causing Spinal Cord Injury" 4th Annual International

Congress on Early Onset Scoliosis and Growing Spine, Orlando, Florida, Nov 18-19, 2011.

433. "Cubitus Varus after Supracondylar Humerus Fractures", 8th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 7-10, 2011.
434. "Direct Vertebral Body Rotation Utilizing Stryker SUK DVR System", 8th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 7-10, 2011.
435. "Power Assisted Pedicle Screw Insertion", 8th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 7-10, 2011.
436. "Spinal Osteotomies" 8th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 7-10, 2011.
437. "Growing Rods and Alternative Distraction-Based Growing Spinal Instrumentation" 8th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 7-10, 2011.
438. "Your First Job" 8th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 7-10, 2011.
439. "Approach to the Supracondylar Fracture with Neurovascular Compromise" 8th Annual International Pediatric Orthopaedic Symposium POSNA/AAOS. Orlando, FL, Dec 7-10, 2011.
440. "Supracondylar Humerus Fractures in Children", Grand rounds, Columbia University, College of Physicians and Surgeons, New York, New York, Jan, 26, 2012.
441. "Back Pain in Young Athletes" 11th Annual Symposium on Current Concepts in Spinal Disorders, Las Vegas, Nevada, Feb 2-4, 2012.
442. "State of the Art Correction: Methods for a Lenke Type 1 Curve", Novel Realignment Techniques: Can Surgical Simulation Technologies Guide Future Strategies?, San Francisco, CA, Feb 8, 2012.
443. Symposium - The Kids You See on Call, "Supracondylar Fracture with Neurovascular Compromise", American Academy of Orthopaedic Surgeons, Annual Meeting, San Francisco, CA, Feb7-11, 2012.
444. Instructional Course Lecture - Staying Out of Trouble in Pediatric Orthopaedics, "Infection and Tumor", American Academy of Orthopaedic Surgeons, Annual Meeting, San Francisco, CA Feb7-11, 2012.
445. Instructional Course Lecture - Complications of Pediatric Spinal Surgery, "Infection in Pediatric Spine Surgery", American Academy of Orthopaedic Surgeons, Annual Meeting,

San Francisco, CA, Feb7-11, 2012.

446. Instructional Course Lecture - Complications of Pediatric Spinal Surgery, "Complications in Neuromuscular Spine Surgery", American Academy of Orthopaedic Surgeons, Annual Meeting, San Francisco, CA, Feb7-11, 2012.
447. Instructional Course Lecture - The Difficult Supracondylar Humerus Fracture. American Academy of Orthopaedic Surgeons, Annual Meeting, San Francisco, CA, Feb7-11, 2012.
448. "Pediatric Spine Disorders" Orthopaedic Review Course. American Academy of Orthopaedic Surgeons, Annual Meeting, San Francisco, CA, Feb 10, 2012.
449. Proximal Junctional Fracture in Neuromuscular Scoliosis, Complications in Pediatric Spinal Deformity, Park City, Utah, March 2-3, 2012.
450. Loss of Fixation in Anterior Spine Fusion for Adolescent Idiopathic Scoliosis, Complications in Pediatric Spinal Deformity, Park City, Utah, March 2-3, 2012.
451. Use of Power Pedicle Screws, "Complications in Spine Deformity", New Orleans, May 4, 2012.
452. How I fix a Lenke I Scoliosis, Denver, CO, May 18, 2012.
453. Power Pedicle Screw Insertion, Pediatric Orthopaedic Society of North America, Annual Meeting, Denver, CO, May 17-19, 2012.
454. En Bloc Derotation for Scoliosis, Pediatric Orthopaedic Society of North America, Annual Meeting, Denver, CO, May 17-19, 2012.
455. Skaggs, K. Sabatini, C. Kay, R. **Skaggs, D.** Orthopaedic Surgeons in California are Less Likely to Care for Children over Last Decade. Pediatric Orthopaedic Society of North America, Annual Meeting, Denver, CO, May 17-19, 2012.
456. "Posterior Spinal Osteotomies", Spinal Deformity Symposium, Sydney, Australia, August 10&11, 2012.
457. "Infection in Spinal Fusions", Spinal Deformity Symposium, Sydney, Australia, August 10&11, 2012.
458. "Use of Power for Pedicle Screws", Spinal Deformity Symposium, Sydney, Australia, August 10&11, 2012.
459. Skaggs, KF; Brasher, AM; Johnston, CE; Purvis, JM; Smith, JT; Myung KS; **Skaggs, DL.** "Upper Thoracic Pedicle Screws Migrate into the Spinal Canal", Scoliosis Research Society, 47th Annual Meeting & Course, Chicago, Illinois, Sept 5-8, 2012.

460. Shan, L; Lee, C; Myung, K; **Skaggs, DL**. "ICU vs. Floor: Comparing the Post-Operative Care of Adolescent Idiopathic Scoliosis following Posterior Spinal Fusion", Scoliosis Research Society, 47th Annual Meeting & Course, Chicago, Illinois, Sept 5-8, 2012.
461. "How I Treat a 50 degree Curve", Chicago, Illinois, Sept 6, 2012.
462. "Why Power?: Use of Power in Spine Surgery" Innovative Solutions for Spinal Deformity – Addressing Surgical Complications, Memphis, TN, Sept 20 & 21, 2012.
463. "En Bloc Derotation in Scoliosis Surgery" Innovative Solutions for Spinal Deformity – Addressing Surgical Complications, Memphis, TN, Sept 20 & 21, 2012.
464. "Placement of S2-Iliac Screws". Innovative Solutions for Spinal Deformity – Addressing Surgical Complications, Memphis, TN, Sept 20 & 21, 2012.
465. "Use of Temporary Rods in Severe Scoliosis", Deformity Symposium, Las Vegas, NV, November 9, 2012.
466. "Power Assisted Pedicle Screws" Deformity Symposium, Las Vegas, NV, November 9, 2012.
467. Decision Making in Connectors in Distraction-Based Growing Rods. 6th International Congress on Early Onset Scoliosis and Growing Spine (ICEOS), November 15-16, 2012, Dublin, Ireland.
468. Derotation Using the Dual Rod Technique. 6th International Congress on Early Onset Scoliosis and Growing Spine (ICEOS), November 15-16, 2012, Dublin, Ireland.
469. SHILLA Vs. Growing Rod: Growth and Complications. 6th International Congress on Early Onset Scoliosis and Growing Spine (ICEOS), November 15-16, 2012, Dublin, Ireland.
470. Are Proximal Rib Anchors Protective Against Rod Breakage in Distraction-Based Growing Rods? 6th International Congress on Early Onset Scoliosis and Growing Spine (ICEOS), November 15-16, 2012, Dublin, Ireland.
471. "Dual Rod Derotation" 9th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS, November 28 – December 1, 2012, Orlando, FL
472. "Thoracic Re-alignment" 9th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS, November 28 – December 1, 2012, Orlando, FL
473. "Your First Job." 9th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS, November 28 – December 1, 2012, Orlando, FL

474. "Power Pedicle Screws" 9th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS, November 28 – December 1, 2012, Orlando, FL
475. "Open Fractures" 9th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS, November 28 – December 1, 2012, Orlando, FL
476. "Derotation, Reduction, Rotation, Translation in Pediatric deformity. What are the differences ? Deformity Symposium, January 17 & 18, 2012. Frankfurt, Germany.
477. "Perilous Pediatric Fractures" Instructional Course Lecture, American Academy of Orthopaedic Surgeons, Annual Meeting, Chicago, Illinois, March 20-23, 2013.
478. "Management of the Supracondylar Fracture with Neurovascular Compromise" Instructional Course Lecture, American Academy of Orthopaedic Surgeons, Annual Meeting, Chicago, Illinois, March 20-23, 2013.
479. "Complications in Neuromuscular Scoliosis" Instructional Course Lecture, American Academy of Orthopaedic Surgeons, Annual Meeting, Chicago, Illinois, March 20-23, 2013.
480. "Infection in Pediatric Spine Surgery Instructional Course Lecture, American Academy of Orthopaedic Surgeons, Annual Meeting, Chicago, Illinois, March 20-23, 2013.
481. "Do Not Work for a Hospital", Pediatric Orthopaedic Society of North America, Specialty Day, American Academy of Orthopaedic Surgeons, Annual Meeting, Chicago, Illinois, March 26, 2013.
482. "Dealing with Cervicothoracic Congenital Deformity", Pediatric Spine Deformity: On the Cutting Edge IV. Coral Gables, FL, April 12-13, 2013.
483. "Casting, Bracing, Posterior Growing Systems, and Fusion in Young Idiopathic Scoliosis", Pediatric Spine Deformity: On the Cutting Edge IV. Coral Gables, FL, April 12-13, 2013.
484. "Classification of Growth Friendly Spinal Implants", Pediatric Spine Deformity: On the Cutting Edge IV. Coral Gables, FL, April 12-13, 2013.
485. "Complications of Growing Systems", Pediatric Spine Deformity: On the Cutting Edge IV. Coral Gables, FL, April 12-13, 2013.
486. "Use of Power Tools in Pediatric Deformity", Pediatric Spine Deformity: On the Cutting Edge IV. Coral Gables, FL, April 12-13, 2013.
487. "Perilous Pitfalls in Pediatric Trauma", 28th Annual Combined Orthopaedic Spring Symposium, Waikiki, Hawaii, April 26-27, 2013.

488. “Why Not to Work for a Hospital”, 28th Annual Combined Orthopaedic Spring Symposium, Waikiki, Hawaii, April 26-27, 2013.
489. “Improving Outcomes and Lowering Costs in the Treatment of Scoliosis”, 28th Annual Combined Orthopaedic Spring Symposium, Waikiki, Hawaii, April 26-27, 2013.
490. B Akbarnia, N Kabirian, J Pawelek, G Thompson, J Emans, P Sponseller, **DL Skaggs**. “Five To Sixteen-Year Results of 201 Growing Rod Patients: Is there a Difference between Etiologies?” Pediatric Orthopaedic Society of North America, Toronto, Ca, May 1-4, 2013.
491. G Blumstein, D Seehausen, P Ross, **DL Skaggs**. “Tranexamic Acid and Intrathecal Morphine are Synergistic in Reducing Transfusion Requirements in Non-idiopathic Scoliosis Patients Undergoing Posterior Spinal Fusion,” Pediatric Orthopaedic Society of North America, Toronto, Ca, May 1-4, 2013.
492. Intra-op Direct Rib/Spine to Pelvis Distraction. Pediatric Orthopaedic Society of North America, Toronto, Ca, May 1-4, 2013.
493. D Seehausen, K Yamaguchi, R Hah, B Sides, M Wright, M Vitale, L Lenke, **DL Skaggs**. “Leveling the LIV in Selective Fusions for Lenke “C” Modifiers is Associated with a Smaller Uninstrumented Lumbar Cobb Angle but Does Not Affect Decomensation” Pediatric Orthopaedic Society of North America, Toronto, Ca, May 1-4, 2013.
494. Posterior Spinal Osteotomies. Spinal Column Realignment for Adolescent Deformity. New Orleans, LA. May 17 & 18, 2013.
495. How I Derotate Adolescent Idiopathic Scoliosis. Spinal Column Realignment for Adolescent Deformity. New Orleans, LA. May 17 & 18, 2013.
496. Early Onset Scoliosis: Distraction Techniques. Advanced Techniques in Complex Pediatric Spine Surgery: A Hands-on Human Anatomic Specimen Course. Long Beach, CA May 24-25, 2013.
497. Pedicle Screw Insertion Techniques. Advanced Techniques in Complex Pediatric Spine Surgery: A Hands-on Human Anatomic Specimen Course. Long Beach, CA May 24-25, 2013.
498. Traction: who, when and where. Advanced Techniques in Complex Pediatric Spine Surgery: A Hands-on Human Anatomic Specimen Course. Long Beach, CA May 24-25, 2013.
499. Rib vs Spine anchors in Growing Rods. Advanced Techniques in Complex Pediatric Spine Surgery: A Hands-on Human Anatomic Specimen Course. Long Beach, CA May 24-25, 2013.

500. “Torticollis to Scoliosis: Spine Problems in Children” Pediatrics in the Islands: Clinical Pearls 2013. Maui, Hawaii. June 29-July5, 2013.
501. “ Optimizing Youth Training and General Principles of Sports Medicine”. Pediatrics in the Islands: Clinical Pearls 2013. Maui, Hawaii. June 29-July5, 2013.
502. “Injuries in Sports Medicine” Pediatrics in the Islands: Clinical Pearls 2013. Maui, Hawaii. June 29-July5, 2013.
503. “Don’t Miss This! Fractures in Children” Pediatrics in the Islands: Clinical Pearls 2013. Maui, Hawaii. June 29-July5, 2013.
504. “The Office Orthopaedic Physical Exam”, Pediatrics in the Islands: Clinical Pearls 2013. Maui, Hawaii. June 29-July5, 2013.
505. “Neurovascular Compromise in Supracondylar Humerus Fractures”, 59th Congress of the South African Orthopaedic Association, Sun City, South Africa, September 2-5, 2013.
506. “Back Pain in Children: When to Worry”, 59th Congress of the South African Orthopaedic Association, Sun City, South Africa, September 2-5, 2013.
507. “How and When to Fix a Supracondylar Humerus Fracture”, 59th Congress of the South African Orthopaedic Association, Sun City, South Africa, September 2-5, 2013.
508. “Optimizing Youth Sports Training”, 59th Congress of the South African Orthopaedic Association, Sun City, South Africa, September 2-5, 2013.
509. “Derotation in Scoliosis” Lyon France, September 19, 2013, Lyon, France.
510. "Radiographic Healing of Spondylolysis Does Not Influence Pain or Return to sports 8 years later."Ymaguchi KT, **Skaggs DL**, Borgella J, Sawyer J, Mosian A, Flynn J, Gunderson M, Hresko T, D’Hemecourt. Scoliosis Research Society 48th Annual Meeting, Lyon France, September 18-21, 2013.
511. Milewski M, **Skaggs DL**, Pace JL, Ibrahim DA, Wren T, Bishop G, Barzduckus A. “Sleep Deprivation and Injury in Young Athletes”. International Pediatric Orthopedic Think Tank, Vancouver, CA, Sept 26-28, 2013.
512. “Working for a Hospital VS. Physician Group: Economics and Strategies”, International Pediatric Orthopedic Think Tank, Vancouver, CA, Sept 26-28, 2013.
513. “Staying Out of Trouble with Supracondylar Humerus Fractures” Stanford University, Eugene Bleck, MD Visiting Professorship, Palo Alto, CA, Oct 15&16, 2013.

514. “Sacropelvic Fixation Techniques” Fall Deformity Symposium, Las Vegas, NV, October 25-26, 2013.
515. “Derotation in the Correction of Spinal Deformity” Fall Deformity Symposium, Las Vegas, NV, October 25-26, 2013.
516. “Spinal Osteotomies: When, Where and How” Fall Deformity Symposium, Las Vegas, NV, October 25-26, 2013.
517. “Staying out of Trouble with Pediatric Supracondylar Fractures” University of Connecticut, Connecticut Children’s Hospital, Hartford, CT, Nov 14 & 15, 2013.
518. “Update in the Treatment of Adolescent Idiopathic Scoliosis”, University of Connecticut, Connecticut Children’s Hospital, Hartford, CT, Nov 14 & 15, 2013.
519. “Classification of Growth Friendly Spinal Implants”, 7th International Congress on Early Onset Scoliosis and Growing Spine, Rancho Bernardo, CA. November 21-22, 2013.
520. “Master’s Techniques: Rib Anchored Distraction Based Growing Rods”, 7th International Congress on Early Onset Scoliosis and Growing Spine, Rancho Bernardo, CA. November 21-22, 2013.
521. “Strategy to Choose Your First Job”. 10th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Orlando, FL. December 4-7, 2013.
522. “Don’t Miss This! Optimal Management of Urgent Orthopaedic Conditions”, 10th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Orlando, FL. December 4-7, 2013.
523. “Infection in Idiopathic Scoliosis”, 10th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Orlando, FL. December 4-7, 2013.
524. “Power Pedicle Screws”, 10th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Orlando, FL. December 4-7, 2013.
525. “Spinal Column Realignment in 3 Dimensions”, 10th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Orlando, FL. December 4-7, 2013.
526. “Sacral Facet Fracture in a Gymnast”, 10th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Orlando, FL. December 4-7, 2013.
527. “Issues in Working for a Hospital Versus Physician Group”, 10th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Orlando, FL. December 4-7, 2013.

528. “Chance Fractures in Children”, 10th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Orlando, FL. December 4-7, 2013.
529. “Multi-Trauma in Pediatrics”, 10th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Orlando, FL. December 4-7, 2013.
530. “ Authors Preferred Technique: Medial Epicondyle Fracture”, 10th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Orlando, FL. December 4-7, 2013.
531. “Vertebral Derotation: Theory and En Bloc Technique”, 10th Annual International Pediatric Orthopaedic Symposium presented by POSNA and AAOS. Orlando, FL. December 4-7, 2013.
532. “Pin All Type II Supracondylar Humerus Fractures” POSNA Specialty Day, Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, March 11-15, 2014.
533. “Pediatric Orthopaedic Trauma: Principles of Management of Upper Extremity Trauma”, Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, March 11-15, 2014.
534. “Pediatric Spine”, Orthopaedic Review Course, Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, March 11-15, 2014.
535. “The Pulseless Supracondylar Fracture”, , Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, March 11-15, 2014.
536. Ymaguchi, **Skaggs**, Mansour, Myung, Yazici, Johnston, Thompson, Sponseller, Akbarnia, Vitale. “Proximal Rib Anchors Have 77% Less Risk of Rod Breakage Than Proximal Spine Anchors in Growing Rods”, Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, March 11-15, 2014.
537. Seehausen, DA, Andras LM, Javidan Y, **Skaggs DL**. “Safety and Efficacy of Power-Assisted Pedicle Tract Preparation and Pedicle Screw Placement”, Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, March 11-15, 2014.
538. “Manual and Power Pedicle Screws”, “Current Techniques in Spinal Deformity Surgery”, Las Vegas, NV, March 22 & 23, 2014.
539. “Derotation in Scoliosis Surgery” “Current Techniques in Spinal Deformity Surgery”, Las Vegas, NV, March 22 & 23, 2014.
540. “Congenital Cervicothoracic Scoliosis” 14th National Spine Course on Spinal Deformity, Nanjing University Medical School, April 18 & 19, 2014, Nanjing, China.

541. “Spinal Derotation in Adolescent Idiopathic Scoliosis” 4th National Spine Course on Spinal Deformity, Nanjing University Medical School, April 18 & 19, 2014, Nanjing, China.
542. Barrett KK, **Skaggs DL**, Sawyer JR, Andras L, Moisan A, Goodbody C, Flynn J. “Supracondylar fractures with isolated anterior interosseous nerve injuries: are they urgent cases?” Pediatric Orthopaedic Society of North America, Annual Meeting, April 30-May 3, 2014 Hollywood, CA.
543. “Tips and Tricks, How I Fix 50 degree Adolescent Idiopathic Scoliosis”, Auckland, New Zealand, August 18, 2014.
544. “Early Onset Scoliosis: Where we stand in 2014”, Auckland, New Zealand, August 18, 2014.
545. Congenital Cervicothoracic Scoliosis, Half Day Course, 49th Annual Meeting, Scoliosis Research Society, Anchorage, Alaska, Sept 10-13, 2014.
546. Don't Miss This! Problem Fractures in Children, Invited Speaker, Prague International Symposium on Children's Fractures. Prague, Czech Republic, September 17-19, 2014.
547. Back Pain in Children, British Scoliosis Society Annual Meeting, Bristol, England, Oct 9 & 10, 2014.
548. Advances in the Treatment of Adolescent Idiopathic Scoliosis, British Scoliosis Society Annual Meeting, Bristol, England, Oct 9 & 10, 2014.
549. Early Onset Scoliosis, Houghton Memorial Lecture, British Scoliosis Society Annual Meeting, Bristol, England, Oct 9 & 10, 2014.
550. “Pearls and Pitfalls in Spine and Pelvic Trauma”, Invited Faculty, International Pediatric Orthopedic Symposium, Orlando, FL, Dec 3-6, 2014.
551. “Your first Job”, Invited Faculty, International Pediatric Orthopedic Symposium, Orlando, FL, Dec 3-6, 2014.
552. “Correction Strategies in Idiopathic Adolescent Scoliosis”, Invited Faculty, International Pediatric Orthopedic Symposium, Orlando, FL, Dec 3-6, 2014.
553. “Derotation of the Spine in Scoliosis: Lessons Learned”, Invited Faculty, International Pediatric Orthopedic Symposium, Orlando, FL, Dec 3-6, 2014.
554. “Shilla in Early Onset Scoliosis”, Invited Faculty, International Pediatric Orthopedic Symposium, Orlando, FL, Dec 3-6, 2014.

555. “Early Onset Scoliosis”, Invited Faculty, International Pediatric Orthopedic Symposium, Orlando, FL, Dec 3-6, 2014.
556. “How I Derotate Scoliosis”, Invited Faculty, International Pediatric Orthopedic Symposium, Orlando, FL, Dec 3-6, 2014.
557. “Masters Techniques: Pinning a Displaced Supracondylar Humerus Fracture”, Invited Faculty, International Pediatric Orthopedic Symposium, Orlando, FL, Dec 3-6, 2014.
558. “Managing the Pulseless Supracondylar Humerus Fracture” Invited Faculty, International Pediatric Orthopedic Symposium, Orlando, FL, Dec 3-6, 2014.
559. The Clinical Implications of Derotation and Current Techniques for Derotation. Invited Faculty, “Current Techniques in Pediatric Spinal Deformity Surgery”, New York City, Dec 12-13, 2014.
560. Severe Kyphoscoliosis in Neurofibromatosis: Implications of Timing and Choice of Treatment. “Current Techniques in Pediatric Spinal Deformity Surgery”, New York City, Dec 12-13, 2014.
561. My Technique for Iliac and S2AI Screws, “Current Techniques in Pediatric Spinal Deformity Surgery”, New York City, Dec 12-13, 2014.
562. “Pediatric Spine”, Orthopaedic Review Course, Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, NV, March 24-28, 2015.
563. “The Pulseless Supracondylar Fracture” Instructional Course Lecture Faculty, Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, NV, March 24-28, 2015.
564. “Ponte Osteotomies are Overrated for AIS” Faculty, Pediatric Spinal Deformity: On the Cutting Edge V, Miami, FL, April 10-11, 2015
565. “Catastrophic Failures of Growing Rod Systems”, Faculty, Pediatric Spinal Deformity: On the Cutting Edge V, Miami, FL, April 10-11, 2015
566. “Variations and Modifications to Growing Rod Constructs”, Faculty, Pediatric Spinal Deformity: On the Cutting Edge V, Miami, FL, April 10-11, 2015
567. “Staying out of Trouble with Supracondylar Humerus Fractures”, University of Utah, Department of Orthopaedic Surgery, Salt Lake City, UT April 15, 2015.

568. “Perilous Pediatric Fractures”, University of Utah, Department of Orthopaedic Surgery, Salt Lake City, UT April 15, 2015.
569. “Growth Friendly Implants in a Young Spastic Patient with Spinal Deformity”, Pediatric Orthopaedic Society of North America, Annual Meeting, Atlanta, GA, May 1, 2015.
570. “Cervicothoracic Congenital Scoliosis”, 11th Spine Advanced Deformity Symposium, , Budapest, Hungary, May 7-8, 2015.
571. “Sacral Iliac Screws: Technique and Results”, 11th Spine Advanced Deformity Symposium, , Budapest, Hungary, May 7-8, 2015.
572. Keynote Speaker, 11th Spine Advanced Deformity Symposium, “How I Fix a 50 Degree Lenke I Curve: Tips and Tricks”, Budapest, Hungary, May 7-8, 2015.
573. “Staying Out of Trouble with Supracondylar Humerus Fractures in Children”, University of North Carolina at Chapel Hill, Raney Visiting Professorship In Orthopaedics, Chapel Hill, North Carolina, May 14-16, 2015.
574. “Update on Spine Surgery in Adolescent Idiopathic Scoliosis” University of North Carolina at Chapel Hill, Raney Visiting Professorship In Orthopaedics, Chapel Hill, North Carolina, May 14-16, 2015.
575. “Variability in Peer Review Comments in Pediatric Spine Research. International Pediatric Orthopaedic Think Tank, Vienna, Austria, Sept 17, 2015.
576. *Alexander M. Broom¹, Lindsay M. Andras¹, Kody Barrett¹, Andrew G. Georgiadis², John Flynn², Vern T. Tolo¹, **David L. Skaggs*** “Preventing DJK in AIS Selective Fusions by Including the Stable Sagittal Vertebra”, Scoliosis Research Society Annual Meeting, Minneapolis, MN, Oct1-3, 2015.
577. “Operative Treatment of a Lenke 1A Curve in 2015. Scoliosis Research Society Annual Meeting, Minneapolis, MN, Oct1-3, 2015.
578. Pediatric C-Spine Trauma under Age 10. 9th International Congress on Early Onset Scoliosis, Boston, MA, Nov 19-20, 2015.
579. Catastrophic Failures in Distraction Based Growing Rods. 9th International Congress on Early Onset Scoliosis, Boston, MA, Nov 19-20, 2015.
580. 12th Annual International Pediatric Orthopaedic Symposium Presented by POSNA and AAOS; Lake Buena Vista, Florida, December 8-12, 2015.
581. “Getting the Most Out of Your Fellowship Year”, 12th Annual International Pediatric Orthopaedic Symposium Presented by POSNA and AAOS; Lake Buena Vista, Florida, December 8-12, 2015.

582. “Tips and Tricks in Spine Fusion for Adolescent Idiopathic Scoliosis” 12th Annual International Pediatric Orthopaedic Symposium Presented by POSNA and AAOS; Lake Buena Vista, Florida, December 8-12, 2015.
583. “Board Preparation for Pediatric Spine”, 12th Annual International Pediatric Orthopaedic Symposium Presented by POSNA and AAOS; Lake Buena Vista, Florida, December 8-12, 2015.
584. “Up managing Your C-suite” 12th Annual International Pediatric Orthopaedic Symposium Presented by POSNA and AAOS; Lake Buena Vista, Florida, December 8-12, 2015.
585. “Spine Trauma in Athletes: When I Worry” 12th Annual International Pediatric Orthopaedic Symposium Presented by POSNA and AAOS; Lake Buena Vista, Florida, December 8-12, 2015.
586. “5 Tips for Correction of Big Curves in AIS” 12th Annual International Pediatric Orthopaedic Symposium Presented by POSNA and AAOS; Lake Buena Vista, Florida, December 8-12, 2015.
587. “Perilous Pediatric Fractures”, Carolinas Medical Center/Orthocarolina, Charlotte, NC, Jan 18, 2016.
588. “Making the Most of Your Fellowship.” Carolinas Medical Center/Orthocarolina, Charlotte, NC, Jan 17&18, 2016.
589. “Complex Spinal Deformity: How To Choose The Safest Operative Approach Both Preop And Intraop, Including Staging When Appropriate.” Safety in Spine Surgery Summit, New York, NY February 19, 2016.
590. “How to Give an Orthopaedic Lecture”, Instructional Course Lecture, Annual Meeting of the American Academy of Orthopaedic Surgeons, Orlando FL, March 1-5, 2016.
591. “Lateral Condyle Fractures”, Instructional Course Lecture, Annual Meeting of the American Academy of Orthopaedic Surgeons, Orlando FL, March 1-5, 2016.
592. “Review of Pediatric Spine Surgery”, Orthopaedic Review Course, Annual Meeting of the American Academy of Orthopaedic Surgeons, Orlando FL, March 1-5, 2016.
593. “Preventing Distal Junctional Kyphosis in AIS”, Annual Meeting of the American Academy of Orthopaedic Surgeons, Orlando FL, March 1-5, 2016.
594. “An Update on Surgical Care of Adolescent Idiopathic Scoliosis” Shriners Hospital, Philadelphia, PA, April 14, 2016.

595. “Choosing a Safe Approach to Spine Surgery”, Current Techniques in Pediatric Spinal Deformity, Morgan Stanley Children’s Hospital of New York, New York, April 15-16, 2016.
596. “Derotation in Adolescent Idiopathic Scoliosis”, Current Techniques in Pediatric Spinal Deformity, Morgan Stanley Children’s Hospital of New York, New York, April 15-16, 2016.
597. “Technique of SAI Pelvic Screws in Spine Surgery” Current Techniques in Pediatric Spinal Deformity, Morgan Stanley Children’s Hospital of New York, New York, April 15-16, 2016.
598. “Maximizing Your Value in the Eyes of Your Department Chair”, Pediatric Orthopaedic Society of North America, Indianapolis, IN, April 28, 2016.
599. “Torticollis to Scoliosis: Spine Problems in Children” Pediatrics in the Island: Clinical Pearls 2016, Maui, Hawaii, July 2-8, 2016
600. “Pediatric Orthopaedic Trauma in the Office”, Pediatrics in the Island: Clinical Pearls 2016, Maui, Hawaii, July 2-8, 2016.
601. “Hip Problems from Infancy through Adolescents”, Pediatrics in the Island: Clinical Pearls 2016, Maui, Hawaii, July 2-8, 2016.
602. “Pediatric Orthopaedic Physical Exam”, Pediatrics in the Island: Clinical Pearls 2016, Maui, Hawaii, July 2-8, 2016.
603. “Myth Busting: Sports Training for Young Athletes”, Pediatrics in the Island: Clinical Pearls 2016, Maui, Hawaii, July 2-8, 2016.
604. “The Limping Child”, Pediatrics in the Island: Clinical Pearls 2016, Maui, Hawaii, July 2-8, 2016.
605. Liam Harris BS, Lindsay M Andras MD, Gregory M Mundis MD, Paul D Sponseller MD MBA, John B Emans MD, **David L Skaggs** “Five or More Proximal Anchors and Including Upper End Sagittal Vertebra, Best for Distraction Based Growing Implants.” 23rd International Meeting on Advanced Spine Techniques, July 13-16, 2016. Washington DC.
606. Use of Power in Spinal Deformity Surgery. 23rd International Meeting on Advanced Spine Techniques, July 13-16, 2016. Washington DC.
607. “Complex Spinal Deformity: How To Choose The Safest Operative Approach Pre-op And Intra-Op.” 23rd International Meeting on Advanced Spine Techniques, July 13-16, 2016. Washington DC.
608. “Strategies in Treating Severe Scoliosis”, XIX Congreso de la Sociedad Argentina de Patología de la Columna Vertebral, Rosario, Argentina, August 31-September 2.

609. “Cervical Spine Trauma in Children”, XIX Congreso de la Sociedad Argentina de Patología de la Columna Vertebral, Rosario, Argentina, August 31-September 2.
610. El-Hawary, Kubat, Heflin, Joukhadar, Yasin, McClung, Flynn, **Skaggs**, Growing Spine Study Group. “Upper Foundations Implanted Cephalad to Upper End Vertebrae of Kyphosis Decreases Post-Operative Proximal Junctional Angle”, Scoliosis Research Society, 51st Annual Meeting, Prague, Czech Republic, Sept 21-24, 2016.
611. “Effecting Change in Health Care Organizations: An Introduction for Surgeons: Budgets and Why They Matter”, Scoliosis Research Society, 51st Annual Meeting, Prague, Czech Republic, Sept 21-24, 2016.
612. “Should Scoliosis Specific Exercises Regularly be Used in Practice”, Scoliosis Research Society, 51st Annual Meeting, Prague, Czech Republic, Sept 21-24, 2016.
613. “Rib Versus Spine Anchors for Growing Rods” Current Concepts and Challenges in Spinal Deformity, Madrid, Spain, Oct 20-21, 2016.
614. “Use of Temporary Rods for Severe Spinal Deformity” Current Concepts and Challenges in Spinal Deformity, Madrid, Spain, Oct 20-21, 2016.
615. “Maximizing Your Value in the Eyes of Your Department Chair”, Visiting Professor, Yale University, New Haven Ct, Nov 4, 2016.
616. “Advances (and Fantasy) in Pediatric Spine Surgery”, Visiting Professor, Yale University, New Haven Ct, Nov 4, 2016.
617. ““When and How To Include the Pelvis in Growth Friendly Implants” International Congress of Early Onset Scoliosis, Utrecht, Holland, November 17-18.
618. “The Evolution of Treatment Options for EOS”, International Pediatric Orthopaedic Symposium, Orlando, Florida, Dec 7-10, 2016.
619. “Maximizing Your Value in the Eyes of Your Department Chair”, International Pediatric Orthopaedic Symposium, Orlando, Florida, Dec 7-10, 2016.
620. “Shilla Technique”, International Pediatric Orthopaedic Symposium, Orlando, Florida, Dec 7-10, 2016.
621. “Back Pain-Red Flags”, International Pediatric Orthopaedic Symposium, Orlando, Florida, Dec 7-10, 2016.
622. “Minimally Invasive Fusion L5-S1 and Sacral Alar Iliac Screws” International Pediatric Orthopaedic Symposium, Orlando, Florida, Dec 7-10, 2016.

623. “Current Concepts in AIS Surgery and Surgeon Preservation and Patient Safety, The Use of Power in the O.R” International Pediatric Orthopaedic Symposium, Orlando, Florida, Dec 7-10, 2016.
624. “Optimizing response to neuro alert: initial steps, next steps, when to abort the case and when to return” Faculty, 2nd Annual Safety in Spine Surgery Summit, New York City, NY, Feb 10, 2017.
625. “Lateral Condyle Fractures”, Instructional Course Lecture, Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, May 15-18, 2017.
626. “Pediatric Spine”, Orthopaedic Review Course, Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, May 15-18, 2017.
627. “Neuromuscular Deformity: Indications/Timing and Technique”, Pediatric Spinal Deformity: On the Cutting Edge VI, Coral Gables, FL, March 31-April 1, 2017.
628. “Lessons Learned from My Most Challenging Neuromuscular Case”. Pediatric Spinal Deformity: On the Cutting Edge VI, Coral Gables, FL, March 31-April 1, 2017.
629. “Magnetically Controlled Spinal Growing Rods in EOS”, Pediatric Spinal Deformity: On the Cutting Edge VI, Coral Gables, FL, March 31-April 1, 2017.
630. “Traditional vs Non-invasive Devices”, Pediatric Spinal Deformity: On the Cutting Edge VI, Coral Gables, FL, March 31-April 1, 2017.
631. “Derotation in 2017”, Current Techniques in Pediatric Spinal Deformity Surgery, Columbia University, NY, NY, April 28, 2017.
632. “Temporary Rods in Severe Scoliosis”, Current Techniques in Pediatric Spinal Deformity Surgery, Columbia University, NY, NY, April 28, 2017.
633. “How to Avoid PJK in Growth Sparing Techniques”, Hibbs Society of the 52nd Annual Meeting, Scoliosis Research Society, Philadelphia, PA, September 5, 2017.
634. “Surgical Treatment of Spondylolisthesis in Adolescents Has a 47% Re-operation Rate: A Multi-Center Retrospective Cohort Study”, 52nd Annual Meeting, Scoliosis Research Society, Philadelphia, PA, September 6-9, 2017.
635. “Don't You Wish You Had Fused to the Pelvis the First Time: A Comparison of Re-operation Rate and Correction of Pelvic Obliquity” 52nd Annual Meeting, Scoliosis Research Society, Philadelphia, PA, September 6-9, 2017.
636. “Spinal Deformity Surgery Changing Children’s Lives”, Purpose Day, Zimmer-Biomet Spine Headquarters, Westminster, CO. Sept 28, 2017.

637. The Power of Your “Presence”: Interacting successfully with the C-Suite and Showing up powerfully as a leader. USC/CHLA Healthcare Leadership Academy, Oct 13, 2017.
638. “Surgery, the Last Option for Scoliosis.” The 4th Conference on Advancements in Conservative Treatment of Scoliosis, Foster City, California, October 28, 2017.
639. “Preliminary Results: Two Year HRQOL Measures are Similar Between Magnetically-Controlled Growing Rod and Traditional Growing Rod Patients”, International Congress on Early Onset Scoliosis, San Diego, CA, November 16-17, 2017.
640. “Optimizing Early Onset Scoliosis Patients for Surgery” International Congress on Early Onset Scoliosis, San Diego, CA, November 16-17, 2017.
641. “Developing and Using Leadership Skills in Practice” International Pediatric Orthopaedic Symposium, Orlando, Florida, November 29- December 1, 2017.
642. The Challenging Supracondylar Humerus Fracture: Technical Pearls and Pitfalls”, International Pediatric Orthopaedic Symposium, Orlando, Florida, November 29- December 1, 2017.
643. “Key Steps in Adolescent Idiopathic Scoliosis Surgery”, International Pediatric Orthopaedic Symposium, Orlando, Florida, November 29- December 1, 2017.
644. “How Orthopaedic Teams are Different in 2017”, International Pediatric Orthopaedic Symposium, Orlando, Florida, November 29- December 1, 2017.
645. “Do Not Fear Elbow Fractures in Kids: Lateral Condyle Fractures”, Instructional Course Lecture, Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, March 6-9, 2018.
646. “Supracondylar Humerus Fractures in Children: Avoiding Pitfalls”, Symposium: Staying Out of Trouble with Pediatric Orthopaedics, Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, March 6-9, 2018.
647. “Preparing and Delivering the Orthopaedic Lecture: Tips and Pearls, Instructional Course Lecture, Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, March 6-9, 2018.
648. “What to do When You Lose Signals”, Current Techniques in Pediatric Spinal Deformity Surgery, Columbia University, Morgan Stanley Babies Hospital, New York City, March 16, 2018.
649. “Getting the Wrong People Off the Bus”, Faculty Training, Current Techniques in Pediatric Spinal Deformity Surgery, Columbia University, Morgan Stanley Babies Hospital, New York City, March 16, 2018.

650. "Use of Power in Spine Deformity Surgery", Current Techniques in Pediatric Spinal Deformity Surgery, Columbia University, Morgan Stanley Babies' Hospital, New York City, March 16, 2018.
651. "Caveat Emptor: Ways to Avoid Trouble in the Complex Kid" 3rd Annual Summit in Safety in Spine Surgery, New York City, NY, April 20th, 2018.
652. "Dedicated Spine Teams Improve Surgery for Adolescent Idiopathic Scoliosis" 3rd Annual Summit in Safety in Spine Surgery, New York City, NY, April 20th, 2018.
653. "Fuse a 50 Degree Curve in Adolescent Idiopathic Scoliosis: Pro Side of Debate", Annual Meeting of the Pediatric Orthopaedic Society of North America, Austin, Tx, May 9-12, 2019.
654. "Spondylolisthesis Surgery has a 46% Rate of Reoperation in Adolescents with Posterior Spinal Fusion", Annual Meeting of the Pediatric Orthopaedic Society of North America, Austin, Tx, May 9-12, 2019.
655. "Improving Surgical Efficiency with Power", Annual Meeting of the Pediatric Orthopaedic Society of North America, Austin, Tx, May 9-12, 2019.
656. "Dedicated Spine Teams Improve Surgery for Adolescent Idiopathic Scoliosis" Annual Meeting of the Pediatric Orthopaedic Society of North America, Austin, Tx, May 9-12, 2019.
657. "What to Expect: Your 1st Doctor's Appt & preparing questions for your surgeon", Power Over Scoliosis. San Diego, CA, June 2, 2018.
658. "Does Bracing Work? Evolution of bracing and research guided information on effective brace wearing", Power Over Scoliosis. San Diego, CA, June 2, 2018.
659. "New Approaches in Adolescent Deformity Correction Surgery", 6th Annual ONE Spine Masters Course, Seattle Science Foundation, Seattle, WA, June 23, 2018.
660. "Use of Power in Spinal Deformity Surgery", 6th Annual ONE Spine Masters Course, Seattle Science Foundation, Seattle, WA, June 23, 2018.
- 661.
662. "Use of Power in Spinal Deformity Surgery", 25th International Meeting on Advanced Spine Techniques, Los Angeles, CA July 11-14, 2018.
663. "Use of Power in Spinal Deformity Surgery", 25th International Meeting on Advanced Spine Techniques, Los Angeles, CA July 11-14, 2018.
664. "Growth Friendly Options for Early Onset Scoliosis", 25th International Meeting on Advanced Spine Techniques, Los Angeles, CA July 11-14, 2018.

665. "Use of Power in Spinal Deformity Surgery", 25th International Meeting on Advanced Spine Techniques, Los Angeles, CA July 11-14, 2018.
666. "Meditation: Stress Release or Path to Higher Self", International Pediatric Orthopaedic Think Tank. Queenstown, New Zealand, September 27 & 28, 2018.
667. "Meditation and Mindfulness", Scoliosis Research Society Pre-Course, Bologna, Italy, October 10, 2018.
668. "Leadership", Yale University School of Medicine, New Haven, CT, November 26, 2018.
669. "Surgeon Preservation and Optimization: Meditation", Yale University School of Medicine, New Haven, CT, November 26, 2018.
670. "Staying Out of Trouble with Kids when On-Call", Yale University School of Medicine, New Haven, CT, November 26, 2018.
671. "Research and the Mentee", Growing Spine Study Group, Lisbon, Portugal, November 14, 2018.
672. "Technique of Rib Anchors in Growing Rods", International Congress of Early Onset Scoliosis, Lisbon, Portugal, November 14-16, 2018.
673. "Pro: Rib Anchors in Distraction Based Growing Rods", International Congress of Early Onset Scoliosis, Lisbon, Portugal, November 14-16, 2018.
674. "Leadership" International Pediatric Orthopaedic Symposium, Orlando, Florida, November 27-30, 2018.
675. "Power Pedicle Preparation and Pedicle Screws" International Pediatric Orthopaedic Symposium, Orlando, Florida, November 27-30, 2018.
676. "Use of Power in Pediatric Spinal Deformity Surgery" International Pediatric Orthopaedic Symposium, Orlando, Florida, November 27-30, 2018.
677. "Does Bracing Work in Spondylolysis and Spondylolisthesis" International Pediatric Orthopaedic Symposium, Orlando, Florida, November 27-30, 2018.
678. "Surgeon Preservation with Power and Derotation" ZimmerBiomet National Sales Meeting, San Diego, CA, Feb 15 & 16, 2019.
679. "Lessons Learned from My Worst Adolescent Idiopathic Shoulder Balance Case", *Pediatric Spinal Deformity: On the Cutting Edge V* course in Miami (Coral Gables), FL, March 1-2, 2019.

680. “Techniques of Spondylolysis Repair”, *Pediatric Spinal Deformity: On the Cutting Edge* V course in Miami (Coral Gables), FL, March 1-2, 2019.
681. “How to Give an Orthopaedic Talk”, Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, March 11-16, 2019.
682. “Closed Reduction and Pinning of a Supracondylar Humerus Fracture”, Instructional Course Lecture, Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, March 11-16, 2019.
683. “Pediatric Spine”, Orthopaedic Review Course, Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, March 11-16, 2019.
684. “Power Pedicle Preparation and Screw Placement International Society for the Advancement of Spine Surgery 19th Annual Conference, Anaheim, CA, April 4, 2019.
685. “Creating a Culture of Safety in Spine Surgery from CEO to Scrubtech”, 4th Annual Spine Safety Summit, Columbia University, New York, April 26, 2019.
686. “Creating a Positive Culture from CEO to Scrubtech”, Annual Meeting of the Pediatric Orthopaedic Society of North America, Charlotte, NC, May 17, 2019.
687. “Meditation: Stress Release or Path to Higher Self” Children’s Hospital of Philadelphia, University of Pennsylvania School of Medicine, Philadelphia, PA. June, 5, 2019
688. “Creating a Positive Culture of Safety from CEO to Scrubtech”, Children’s Hospital of Philadelphia, University of Pennsylvania School of Medicine, Philadelphia, PA. June, 5, 2019.
689. “Fantasy and Advances in Pediatric Spine Surgery”, Children’s Hospital of Philadelphia, University of Pennsylvania School of Medicine, Philadelphia, PA. June, 5, 2019.
690. Keynote Speaker, 3rd Annual Shriners Hospital for Children Spine Surgeon Group Meeting, “Fantasy and Advances in Pediatric Spine Surgery” Chicago, IL, August 16, 2019.
691. “Supracondylar Humerus Fractures”, Department of Orthopaedic Surgery, Children’s Hospital of Nanjing, Nanjing Medical University, August 19-21, 2019.
692. “Creating a Positive and Safe Culture :From CEO to Scrubtech”, Department of Orthopaedic Surgery, Children’s Hospital of Nanjing, Nanjing Medical University, August 19-21, 2019.
693. “Preventing Overuse Injuries and Promoting Patient Safety with Use of Power in Spine Surgery”, Department of Orthopaedic Surgery, Children’s Hospital of Nanjing, Nanjing Medical University, August 19-21, 2019.

694. “Elbow Fractures in Children”, Department of Orthopaedic Surgery, Children’s Hospital of Nanjing, Nanjing Medical University, August 19-21, 2019.
695. “New Approaches in Adolescent Idiopathic Scoliosis Surgery”, Department of Orthopaedic Surgery, Children’s Hospital of Nanjing, Nanjing Medical University, August 19-21, 2019.
696. “Staying Out of Trouble with Kids while On-Call”, Department of Orthopaedic Surgery, Children’s Hospital of Nanjing, Nanjing Medical University, August 19-21, 2019.
697. “Staying Out of Trouble with Supracondylar Humerus Fractures”, Cleveland Clinic and Akron Children’s Hospital, Cleveland, OH, September 3 & 4, 2020
698. “Fantasy and Advances in Pediatric Spine”, Cleveland Clinic and Akron Children’s Hospital, Cleveland, OH, September 3 & 4, 2020.
699. “Ethics and safety during innovation: lessons learned from the past.” 6th Annual CHOP Pediatric Orthopaedic FDA Course, Philadelphia PA, September 12 & 13.
700. “Non-Fusion Techniques for Scoliosis: New & Classic Posterior Distraction Techniques” 6th Annual CHOP Pediatric Orthopaedic FDA Course, Philadelphia PA, September 12 & 13.
701. “Two Year HRQOL Measures are Similar Between Magnetically-Controlled Growing Rod and Traditional Growing Rod Patients” Scoliosis Research Society, Montreal, Canada, September 18-21, 2019.
702. “Overuse Injuries in Surgeons” International Idiopathic Think Tank, 2019 Annual Meeting, Québec City, Canada, September 25- 28, 2019.
703. “Creating a Positive and Safe Culture :From CEO to Scrubtech” Xi’an Jiatong University, Honghui Hospital, Xi’an, China, October 10, 2020.
704. “Preventing Overuse Injuries and Promoting Patient Safety with Use of Power in Spine Surgery” Visiting Professor, Xi’an International Orthopaedic Conference, October 11&12, 2020.
705. “Growth Friendly Options for Early Onset Scoliosis”. Visiting Professor, Xi’an International Orthopaedic Conference, October 11&12, 2020.
706. “Spondylolysis Repair”, Visiting Professor, Xi’an International Orthopaedic Conference, October 11&12, 2020.
707. “Power in Pedicle Preparation and Screw Insertion”, Leveraging Your Team and Maximizing Outcomes in Pediatric/AIS Deformity Correction, November 8-9, 2019, Santa Monica/Marina Del Rey, CA.

708. “Treatment of Severe Curves with Temporary Rods”, Leveraging Your Team and Maximizing Outcomes in Pediatric/AIS Deformity Correction, November 8-9, 2019, Santa Monica/Marina Del Rey, CA.
709. “Creating a Culture of Safety from CEO to Scrubtech”, Leveraging Your Team and Maximizing Outcomes in Pediatric/AIS Deformity Correction, November 8-9, 2019, Santa Monica/Marina Del Rey, CA.
710. “Gadgets in Early Onset Scoliosis Imaging and Surgery”, 13th International Congress on Early Onset Scoliosis, November 21-22, 2019, Atlanta, GA.
711. “Selective Fusion: Rules to Live by in 2019”, 16th Annual International Pediatric Orthopaedic Symposium, Orlando FL, Dec 3-7, 2019.
712. “Staying Out of Trauma with Spinal Trauma“, 16th Annual International Pediatric Orthopaedic Symposium, Orlando FL, Dec 3-7, 2019.
713. “Physician Wellness: Bringing the Message to the C-Suite“, 16th Annual International Pediatric Orthopaedic Symposium, Orlando FL, Dec 3-7, 2019.
714. “ Leadership for Young Surgeons“, 16th Annual International Pediatric Orthopaedic Symposium, Orlando FL, Dec 3-7, 2019.
715. “ Use of an Ultrasonic Scalple in Spine Surgery“, 16th Annual International Pediatric Orthopaedic Symposium, Orlando FL, Dec 3-7, 2019.
716. “Spine Tumors “, 16th Annual International Pediatric Orthopaedic Symposium, Orlando FL, Dec 3-7, 2019.
717. “Fellow Evaluations: Effective Ways to Give Feedback“, 16th Annual International Pediatric Orthopaedic Symposium, Orlando FL, Dec 3-7, 2019.
718. “Commonly Missed Fractures and Diagnoses.”, Pediatric Urgent Care Conference, (National Conference) Los Angeles CA, Feb 6, 2020.
719. “Culture of Teams in Complex Surgery”, OneAO 2020, Phoenix AZ, February 7, 2020.
720. “Staying Out of Trouble with Supracondylar Humerus Fractures” Virtual Visiting Professor, Covid Era, Dupont Institute, April 24, 2020.
721. “Fantasy and Advances in Pediatric Spine Surgery”, Virtual Visiting Professor, Covid Era, Dupont Institute, April 24, 2020.

722. “Creating a Culture of Safety from CEO to Scrubtech”, Virtual Visiting Professor, Covid Era, Dupont Institute, April 24, 2020.
723. “Getting to Yes: Negotiation with your Practice and Administration”, Young Members Forum Virtual Panel and recorded presentation, Pediatric Orthopaedic Society of North America Annual Meeting, May 12, 2020.
724. “Power Vs. Manual Pedicle Tract Preparation: Multicenter Study of Early Adopters”, Spine Specialty Day Podcast and recorded presentation, <https://podcasts.apple.com/us/podcast/jpo-podcast/id1464797241?i=1000475226275> , Pediatric Orthopaedic Society of North America Annual Meeting, May 15, 2020.
725. “Congenital Scoliosis”, Univ. of Maryland Pediatric Orthopaedic Webinar for Residents and Fellows, <https://www.umms.org/ummc/health-services/orthopedics/healthcare-professionals/webinars> May 24, 2020.
726. “Advances in Adolescent Spine Deformity”, Seattle Spine Foundation Virtual Spine Masters Course, June 20, 2020.
<https://www.youtube.com/watch?v=zeIVDaRjhIE&feature=youtu.be>