Daniel J. Sucato, M.D., M.S.

Journal Reviewer

Spine (Lippincott, Williams and Wilkins)

Journal of Bone and Joint Surgery (Lippincott, Williams and Wilkins)

Journal of Spinal Cord Medicine (American Paraplegia Society)

Clinical Orthopaedics and Related Research (Lippincott, Williams and Wilkins)

Journal of Pediatric Orthopaedics (Lippincott, Williams and Wilkins)

Spine Deformity (Elsevier)

Editorial Board

www.spineuniverse.com

Spine Editor, Your Orthopaedic Connection for the American Academy of Orthopaedic Surgeons Website, February 2009 to present.

Editorial/Course Chairmanship

Advanced Techniques in Spinal Deformity Surgery (Anterior & Posterior Approaches), Chairmen: Lawrence Lenke MD and Daniel Sucato MD MS. Memphis, TN, July 16-17, 2004.

1st Annual Fall Spine Symposium of the Sarah M. and Charles E. Seay / Martha and Pat Beard Center for Excellence in Spine Research at Texas Scottish Rite Hospital for Children. Guest Lecturer: Robert Campbell MD. Course Chairman: Daniel J. Sucato MD MS. Dallas, TX, Oct. 8, 2004.

2nd Annual Fall Spine Symposium of the Sarah M. and Charles E. Seay / Martha and Pat Beard Center for Excellence in Spine Research at Texas Scottish Rite Hospital for Children. Guest Lecturers: Drs. Randal Betz, John Emans, Lawrence Lenke, and Peter Newton. Course Chairman: Daniel J. Sucato MD MS. Dallas, TX, Oct. 6, 2005.

Advanced Techniques in Spinal Deformity Surgery for Pediatric Spine Surgeons (Anterior & Posterior Approaches), Chairmen: John Emans MD, Larry Lenke MD, and Daniel Sucato MD MS. Dallas, TX, April 28-29, 2006.

3rd Annual Fall Spine Symposium of the Sarah M. and Charles E. Seay / Martha and Pat Beard Center for Excellence in Spine Research at Texas Scottish Rite Hospital for Children. Guest Lecturers: Drs. David Bradford and Harry Shufflebarger. Course Chairman: Daniel J. Sucato MD MS. Dallas, TX, Oct. 26, 2006.

4th Annual Fall Spine Symposium of the Sarah M. and Charles E. Seay / Martha and Pat Beard Center for Excellence in Spine Research at Texas Scottish Rite Hospital for Children. Guest Lecturer: Oheneba Boachie-Adjei, MD. Course Chairman: Daniel J. Sucato MD MS. Dallas, TX, Oct. 4, 2007.

5th Annual Fall Spine Symposium of the Sarah M. and Charles E. Seay / Martha and Pat Beard Center for Excellence in Spine Research at Texas Scottish Rite Hospital for Children. Guest Lecturers: Min Mehta, MBBS FRCS, and Jacques D'Astous, MD. Course Chairman: Daniel J. Sucato MD MS. Dallas, TX, Oct. 3, 2008.

Pediatric Orthopaedic Society of North America Tutorial. "The Role of Surgical Dislocation in Hip Preservation in the Adolescent Patient". Course Chairmen: Daniel J. Sucato MD MS, Ernie Sink MD. Dallas, TX, Oct. 12-13, 2009.

Medtronic Advanced Deformity for Spine Surgeons Technique Training. Course Chairmen: Daniel J. Sucato MD MS, Sigurd Berven, MD. Dallas, TX, Feb. 18-20, 2010.

Pediatric Orthopaedic Society of North America Tutorial. "The Problematic Hip and Femoro-Acetabular Impingement in Adolescents". Course Chairman: Daniel J. Sucato MD MS, Ernie Sink MD, David Podeszwa MD. Dallas, TX, Oct. 20, 2011.

8th Annual Fall Spine Symposium of the Sarah M. and Charles E. Seay / Martha and Pat Beard Center for Excellence in Spine Research at Texas Scottish Rite Hospital for Children. Guest Lecturer: Se-Il Suk, MD, PhD. Program Director: Daniel J. Sucato MD MS. Dallas, TX, Oct. 28, 2011.

9th Annual Fall Spine Symposium of the Sarah M. And Charles E. Seay/Martha and Pat Beard Center for Excellence in Spine Research at Texas Scottish Rite Hospital for Children. Guest Lecturer: Reinhold Ganz, MD. Program Director: Daniel J. Sucato MD MS. Dallas, TX, Nov. 9, 2012.Pediatric Orthopaedic Education Series at Texas Scottish Rite Hospital for Children. Course Chairman, Daniel J. Sucato, MD, MS. Dallas, Texas, February, 2013.

Peer-Reviewed Publications (Journal Articles)

Allen HJ, Karakousis C, Piver JS, Gamarra M, Nava H, Forsyth B, Matecki B, Allayar J, **Sucato D**, Kisailus EC, DiCioccio R. Galactoside-binding Lectin in Human Tissues. *Tumor Biology* 8: 218-229, 1987.

Allen HJ, **Sucato D,** Wojnarwoski B, Gottstine S. Role of Galaptin in Ovarian Carcinoma Adhesion to Extracellular Matrix *In Vitro*. *Journal of Cellular Biochemistry* 43-57, 1990.

Allen HJ, **Sucato D,** Gottstine S, Kisailus E, Nava H, Petrelli N, Castillo N, Wilson D. Localization of Endogenous Beta-galactoside-binding Lectin in Human Cells and Tissues. *Tumor Biology* 12: 52-60, 1991.

Sucato DJ, Krackow KA. Dislocation of the Peroneal Tendons: Surgical Treatment. *Journal of Orthopaedic Techniques* 3: 91-101, 1995.

Sucato DJ, Gillespie R. Salmonella Pelvic Osteomyelitis in Normal Children: Report of Two Cases and a Review of the Literature. *Journal of Pediatric Orthopaedics* 17: 463-466, 1997.

Sucato DJ, Schwend R, Gillespie R. Septic Arthritis of the Hip in Children. *Journal of the American Academy of Orthopaedic Surgeons* 5(5): 249-260, 1997.

Bone LB, **Sucato D,** Stegemann PM, Rohrbacher BJ. Displaced Isolated Fractures of the Tibial Shaft Treated with either a Cast or Intramedullary Nailing: An Outcome of Matched Pairs of Patients. *J Bone Joint Surgery* 79-A: 1336-1341, 1997.

Sucato DJ, Johnston CE II, Birch JG, Herring JA, Mack P. Outcome of Ultrasonographic Hip Abnormalities in Clinically Stable Hips. *Journal of Pediatric Orthopaedics* 19(6): 754-759, 1999.

Sucato DJ, Rougraff B, McGrath BE, Sizinski J, Davis M, Papandonatos G, Green D, Szarzanowicz T, Mindell ER. Ewing's Sarcoma of the Pelvis. Long-term Survival and Functional Outcome. *Clinical Orthopaedics and Related Research* 373: 193-201, 2000.

Sucato DJ, Girgis M. Bilateral Pneumothoraces, Pneumomediastinum, Pneumoperitoneum, Pneumoretroperitoneum and Subcutaneous Emphysema Following Intubation with a Double Lumen Tube for Thoracoscopic Anterior Spinal Release and Fusion in a Patient with Idiopathic Scoliosis. *Journal of Spinal Disorders* 15: 133-138, 2002.

Richards BS, **Sucato D**, Konigsberg DE, Ouellet JA. Comparison of Reliability Between the Lenke and King Classification Systems for Adolescent Idiopathic Scoliosis Using Radiographs That Were Not Premeasured. *Spine* 28 (11): 1148-57, 2003.

Sucato DJ, Duchene C. The Position of the Aorta Relative to the Spine: A Comparison of Patients With and Without Idiopathic Scoliosis. *J Bone Joint Surgery* 85-A (8):1461-1469, 2003.

Sucato DJ. Thoracoscopic Anterior Instrumentation and Fusion for Adolescent Idiopathic Scoliosis. *Journal of the American Academy of Orthopaedic Surgeons* 11 (4): 221-227, 2003.

Sucato DJ, Elerson E. A Comparison Between the Prone and Lateral Position for Performing a Thoracoscopic Anterior Release and Fusion for Pediatric Spinal Deformity. *Spine* 28 (18): 2176-2180, 2003.

Sanders JO, Polly DW, Cats-Baril W, Jones J, Lenke LG, O'Brien MF, Richards BS, **Sucato DJ**, and Members of the AIS Section of the Spinal Deformity Study Group. Analysis of Patient and Parent Assessment of Deformity in Idiopathic Scoliosis Using the Walter Reed Visual Assessment Scale. *Spine* 28 (18): 2158-2163, 2003.

Sucato DJ, Kassab F, Dempsey, M. Analysis of Screw Placement Relative to the Aorta and Spinal Canal Following Anterior Spinal Instrumentation and Fusion for Idiopathic Scoliosis. *Spine* 29 (5): 554-559, 2004.

Sucato DJ, Hedequist D, Karol LA. Operative Correction of Adolescent Idiopathic Scoliosis in Male Patients: A Radiographic and Functional Outcome Comparison with Female Patients. *J Bone Joint Surgery*, 86-A (9): 2005-2014, 2004.

Sucato DJ, Kuklo TR, Vaccaro AR, Brown C. 2003 Scoliosis Research Society European Traveling Fellowship Report to the Education Committee. *Spine* 29 (18):1966-1970, 2004.

Sucato DJ, Duey-Holtz A, Elerson E, Safavi F. Postoperative Analgesia Following Surgical Correction for Adolescent Idiopathic Scoliosis: A Comparison of Continuous Epidural Analgesia and Patient-Controlled Analgesia. *Spine* 30 (2): 211-217, 2005.

Sucato DJ, Flohr R. Accurate Preoperative Rod Length Measurement for Thoracoscopic Anterior Instrumentation and Fusion for Idiopathic Scoliosis. *Journal of Spinal Disorders & Techniques* 18 (Supplement): S96-S100, 2005.

Zhang H, **Sucato DJ**. Regional Differences in Anatomical Landmarks for Placing Anterior Instrumentation of the Thoracic Spine in Both Normal Patients and Patients with Adolescent Idiopathic Scoliosis. *Spine* 31 (2): 183-189, 2006.

El-Hawary R**,** Sparagana S, **Sucato DJ**, McClung A, Van Allen E, Rampy P. Spinal Cord Monitoring in Patients with Spinal Deformity and Neural Axis Abnormalities: A Comparison with Adolescent Idiopathic Scoliosis Patients. *Spine* 31 (19): E698-E706, 2006.

Kuklo TR, O'Brien MF, Lenke LG, Polly DW, **Sucato DJ**, Richards BS, Lubicky J, Ibrahim K, Kawakami N, King A, and The Spinal Deformity Study Group: AIS Section. Comparison of the Lowest Instrumented, Stable, and Lower End Vertebrae in "Single Overhang" Thoracic Adolescent Idiopathic Scoliosis: Anterior *Versus* Posterior Spinal Fusion. *Spine* 31 (19): 2232-2236, 2006.

Sucato DJ. Spine Deformity in Spinal Muscular Atrophy. *J Bone Joint Surgery* 89-A (1): 148-154, 2007. PMID: 17272431

Kishan S, Bastrom T, Betz RR, Lenke LG, Lowe TG, Clements D, D'Andrea L, **Sucato DJ**, Newton PO. Thoracoscopic Scoliosis Surgery Affects Pulmonary Function Less Than Thoracotomy at 2 Years Postsurgery. *Spine* 32 (4): 453-458, 2007.

Mildbrandt TA, **Sucato DJ.** The Position of the Aorta Relative to the Spine in Patients with Left Thoracic Scoliosis: A Comparison with Normal Patients. *Spine* 32 (12): E348-353, 2007.

Ho C, **Sucato DJ**, Richards BS. Risk Factors for the Development of Delayed Infections Following Posterior Spinal Fusion and Instrumentation in Adolescent Idiopathic Scoliosis Patients. *Spine* 32 (20): 2272-2277, 2007.

Desroches G, Aubin CE, **Sucato DJ**, Rivard CH. Simulation of an Anterior Spine Instrumentation in Adolescent Idiopathic Scoliosis Using a Flexible Multi-body Model. *Medical and Biological Engineering and Computing* 45: 759-768, 2007.

Sanders JO, Harrast JJ, Kuklo TR, Polly DW, Bridwell KH, Diab M, Dormans JP, Drummond DS, Emans JB, Johnston CE 2nd, Lenke LG, McCarthy RE, Newton PO, Richards BS, **Sucato DJ**, Spinal Deformity Study Group. The Spinal Appearance Questionnaire: Results of Reliability, Validity, and Responsiveness Testing in Patients with Idiopathic Scoliosis. *Spine* 32 (24): 2719-2722, 2007.

Carreon LY, Puno RM, Lenke LG, Richards BS, **Sucato DJ**, Emans JB, Erickson MA. Non-Neurologic Complications Following Surgery for Adolescent Idiopathic Scoliosis. *J Bone Joint Surgery* 89-A (11): 2427-2432, 2007.

Sucato DJ, Lovejoy JF, Agrawal S, Elerson E, Nelson T, McClung A. Postoperative Ketorolac Does Not Predispose to Pseudoarthrosis Following Posterior Spinal Fusion and Instrumentation for Adolescent Idiopathic Scoliosis. *Spine* 33 (10): 1119-1124, 2008. PMID: 18449047

Lechevallier J, Foulongne E, Goldenberg A, Abuamara S, **Sucato D. (**Spinal Deformities in Neurofibromatosis Type 1) / Les deformations rachidiennes de la Neurofibromatose de type 1. *Archives de Pediatrie: Organe Officiel De La Societe Francaise De Pediatrie [Arch Pediatr]* 15 (5): 731-733, 2008.

Agrawal S, **Sucato DJ**. The Awl-Staple Versus Guidewire Method for Placing Vertebral Screws in Thoracoscopic Anterior Spinal Fusion and Instrumentation for Adolescent Idiopathic Scoliosis. *J Spinal Disord Tech* 21 (6): 413-417, 2008.

Sucato DJ, Agrawal S, O'Brien MF, Lowe TG, Richards SB, Lenke L. Restoration of Thoracic Kyphosis After Operative Treatment of Adolescent Idiopathic Scoliosis: A Multicenter Comparison of Three Surgical Approaches. *Spine* 33 (24): 2630-2636, 2008. PMID: 19011544

Adolfsen SE, **Sucato DJ**. Surgical Technique: Open Reduction and Internal Fixation for Unstable Slipped Capital Femoral Epiphysis. *Operative Techniques in Orthopaedics*, 19 (1): 6-12, 2009.

Zhang H, **Sucato DJ**, Pierce WA, Ross D. Novel Dual-Rod Screw for Thoracoscopic Anterior Instrumentation: Biomechanical Evaluation Compared With Single-Rod and Double-Screw/Double-Rod Anterior Constructs. *Spine* 34 (5): E183–E188, 2009.

Sponseller PD, Shah SA, Abel MF, **Sucato D**, Newton PO, Shufflebarger H, Lenke LG, Letko L, Betz R, Marks M, Bastrom T, Harms Study Group. Scoliosis Surgery in Cerebral Palsy: Differences between Unit Rod and Custom Rods. *Spine* 34 (8): 840-844, 2009.

Sucato DJ, Erken YH, Davis S, Gist T, McClung A, Rathjen KE. Prone Thoracoscopic Release Does Not Adversely Affect Pulmonary Function When Added to a Posterior Spinal Fusion for Severe Spine Deformity. *Spine* 34 (8): 771-8, 2009. PMID: 19365244

Sponseller PD, Betz R, Newton PO, Lenke LG, Lowe T, Crawford A, **Sucato D**, Lonner B, Marks M, Bastrom T, The Harms Study Group. Differences in Curve Behavior After Fusion in Adolescent Idiopathic Scoliosis Patients with Open Triradiate Cartilages. *Spine* 34 (8): 827-831, 2009.

Allen LA, **Sucato DJ.** Unstable Slipped Capital Femoral Epiphysis. *Current Orthopaedic Practice* 20 (2): 175-179, 2009.

Mildbrandt TA, Singhal M, Minter C, McClung A, Talwalkar VR, Iwinski HJ, Walker J, Beimesch C, Montgomery C, **Sucato DJ.** A Comparison of Three Methods of Pain Control for Posterior Spinal Fusions in Adolescent Idiopathic Scoliosis. *Spine* 34 (14): 1499-1503, 2009.

Lee M, **Sucato DJ**. Familial Bilateral Osteochondritis Dissecans of the Femoral Head: A Case Series. *J Bone Joint Surgery*, 91-A (11):2700-2707, 2009.

White K, **Sucato DJ**, Agrawal S, Browne R. Ultrasonographic Findings in Hips with a Positive Ortolani Sign and Their Relationship to Pavlik Harness Failure. *J Bone Joint Surgery*, 92 (1): 113-120, 2010.

Zhang H, **Sucato DJ**, Nurenberg P, McClung A. Morphometric Analysis of Vertebral Growth Using Magnetic Resonance Imaging in the Normal Skeletally Immature Spine. *Spine* 35 (1): 76-82, 2010.

Diab M, Sharkey M, Emans J, Lenke L, Oswald T, **Sucato DJ**, and the Spinal Deformity Study Group. Preoperative Bracing Affects Postoperative Outcome of Posterior Spine Fusion With Instrumentation for Adolescent Idiopathic Scoliosis. *Spine* 35 (20): 1876-1879, 2010.

Richards BS, Sucato DJ, Johnston CE, Diab M, Sarwark JF, Lenke LG, Parent S; Spinal Deformity Group. Right Thoracic Curves in Presumed Adolescent Idiopathic Scoliosis: Which Clinical and Radiographic Findings Correlate with a Preoperative Abnormal Magnetic Resonance Image? *Spine* 35 (20): 1855-60, 2010.

Sucato DJ, Tulchin K, Shrader MW, et al. Gait, Hip Strength and Functional Outcomes After a Ganz Periacetabular Osteotomy for Adolescent Hip Dysplasia. *Journal Of Pediatric Orthopedics*, 30 (4): 344-50, 2010. PMID: 20502234

Carreon LY, Sanders JO, Diab M, **Sucato DJ**, Sturm PF, Glassman SD, and the Spinal Deformity Study Group. The Minimum Clinically Important Difference in Scoliosis Research Society-22 Appearance, Activity and Pain Domains After Surgical Correction of Adolescent Idiopathic Scoliosis. *Spine* 35 (23): 2079-2083, 2010.

Thawrani D, **Sucato DJ**, Podeszwa DA, and DeLaRocha A. Complications Associated with the Bernese Periacetabular Osteotomy for Hip Dysplasia in Adolescents. *J Bone Joint Surgery*, 92 (7): 1707-1714, 2010. PMID: 20660233

Sucato DJ. Management of Severe Spinal Deformity: Scoliosis and Kyphosis. Spine 35(25); 2186-92, 2010.

Roberts DW, Savage JW, Schwartz DG, Carreon LY, **Sucato DJ**, Sanders JO, Richards BS, Lenke LG, Emans JB, Parent S, Sawark JF, and the Spinal Deformity Study Group. Male-Female Differences in Scoliosis Research Society-30 Scores in Adolescent Idiopathic Scoliosis. *Spine* 36 (1): E53, 2011. PMID: 21192215

Sucato, DJ. Adolescent Idiopathic Scoliosis Case Panel Discussions. *Journal of Pediatric Orthopaedics*, 31 (1 Suppl): S119-28, 2011. (PMID: 21173614)

Seifert JL, Bell JE, Elmer BB, **Sucato DJ,** Romero MI. Characterization of a Novel BiDirectional Distraction Spinal Cord Injury Animal Model. *Journal of Neuroscience Methods*, 197 (2): 97-103, 2011. (PMID: 21334381)

Romero-Ortega M, **Sucato DJ**. Characterization of a Novel Bidirectional Distraction Spinal Cord Injury Animal Model. *Journal of Neuroscience Methods*, XX (X): xxx-xxx, 2011.

Murnaghan ML, Browne RH, **Sucato DJ**, Birch JG. Femoral Nerve Palsy in Pavlik Harness Treatment for Developmental Dysplasia of the Hip. *J Bone Joint Surgery*, 93 (5): 493-499, 2011. PMID: 21368082

Zhang H, **Sucato DJ**. Neurocentral Synchondrosis Screws to Create and Correct Experimental Deformity: A Pilot Study. *Clinical Orthopaedics and Related Research* 469 (5): 1383-1390, 2011. PMID: 20886322

Rhee PC, Woodcock JA, Clohisy JC, Millis M, **Sucato DJ**, Beaulĕ P, Trousdale RT, Sierra RJ, for the Academic Network for Conservational Hip Outcomes Research (ANCHOR) Group. The Shenton Line in the Diagnosis of Acetabular Dysplasia in the Skeletally Mature Patient. *J Bone Joint Surgery*, 93-A (Suppl 2): 35-39, 2011. PMID 21543686

Zaltz I, Beaulĕ P, Clohisy JC, Schoenecker P, **Sucato DJ**, Podeszwa DA, Sierra R, Trousdale R, Kim YJ, Millis MB. Incidence of Deep Vein Thrombosis and Pulmonary Embolus Following Periacetabular Osteotomy. *J Bone Joint Surgery*, 93-A (Suppl 2): 62-65, 2011.PMID: 21543691

Carreon LY, Sanders, JO, Diab M, Sturm PF, **Sucato DJ**, and the Spinal Deformity Study Group. Patient Satisfaction after Surgical Correction of Adolescent Idiopathic Scoliosis. *Spine*, 36 (12): 965-968, 2011. PMID: 21224771

Sink EL, Beaule PE, **Sucato DJ**, Kim YJ, Millis MB, Dayton M, Trousdale RT, Sierra RJ, Zaltz I, Schoenecker P, Monreal A, and Clohisy J. Multicenter Study of Complications Following Surgical Dislocation of the Hip. *J Bone Joint Surgery*, 93-A (12): 1132-1136, 2011. PMID: 21571987.

Johnston CE, Richards BS, **Sucato DJ,** Bridwell KH, Lenke LG, Erickson M; Spinal Deformity Study Group. Correlation of Preoperative Deformity Magnitude and Pulmonary Function Tests in Adolescent Idiopathic Scoliosis. *Spine* 36 (14): 1096-102, 2011. (PMID: 21270699)

Carreon LY, Sanders JO, Polly DW, **Sucato DJ,** Parent S, Roy-Beaudry M, Hopkins J, McClung A, Bratcher KR, Diamond BE; Spinal Deformity Study Group. Spinal Appearance Questionnaire: factor analysis, scoring, realiability, and validity testing. *Spine* 36 (18): E1240-04, 2011. (PMID: 21343853)

Sanders JO, Diab M, Richards BS, Lenke LG, Johnston CE, Emans JB, **Sucato DJ,** Erickson MA, Bridwell KH, McCarthy RE, Sarwark JF, Dormans JP; Spinal Deformity Group. Fixation Points Within the Main Thoracic Curve: Does More Instrumentation Produce Greater Curve Correction and Improved Results? *Spine* 36 (21); E1402-6, 2011. (PMID: 21681134)

Fletcher ND, Hopkins J, McClung A, Browne R, **Sucato DJ.** Residual Thoracic Hypokyphosis After Posterior Spinal Fusion and Instrumentation in Adolescent Idiopathic Scoliosis: Risk Factors and Clinical Ramifications. *Spine* 37 (3): 200-6, 2012. (PMID: 21358571)

Larson AN, **Sucato DJ,** Herring JA, Adolfsen SE, Kelly DM, Martus JE, Lovejoy JF, Browne R, De La Rocha A. 2012. A Prospective Multicenter Study of Legg-Calve-Perthes Disease: Functional and Radiographic Outcomes of Non-operative Treatment at a Mean Follow-up of Twenty Years. *The Journal of Bone and Joint Surgery A*, 94: 584-592. PMID: 22488614.

Diab M, Smucny M, Dormans JP, Erickson MA, Ibrahim K, Lenke LG, Sucato DJ, Sanders JO. Use and Outcomes of Wound Drain in Spinal Fusion for Adolescent Idiopathic Scoliosis. *Spine* 37 (11): 966-73, 2012. (PMID: 22037527)

Morse LJ, Kawakami N, Lenke LG, Sucato DJ, Sanders JO, Diab M. Culture and Ethnicity Influence Outcomes of the Scoliosis Research Society Instrument in Adolescent Idiopathic Scoliosis. *Spine* 37 (12): 1072-6, 2012. (PMID: 22076648)

Larson AN, Rabenhorst B, De La Rocha A, Sucato DJ. Limited Intraobserver and Interobserver Reliability for the Common Measures of Hip Joint Congruency Used in Hip Dysplasia. *Clinical Orthopaedics and Related Research*, 470(5): 1414-20, 2012. (PMID: 22125269)

Sponseller PD, Jain A, Lenke LG, Shah SA, **Sucato DJ,** Emans JB, Newton, PO. Vertebral Column Resection in Children with Neuromuscular Spine Deformity. *Spine* 37 (11): E655-61, 2012.

Sucato, DJ, Micheli LJ, Estes AR, Tolo VT. Spine Problems in Young Athletes. *Instructional Course Lectures*, 61: 599-511, 2012. (PMID: 22301257)

Sucato DJ. Adolescent Idiopathic Scoliosis Case Panel Discussions. J Pediatr Orthop. 2011 Jan-Feb; 31(1Suppl): S119-28. Doi:10.1097/BPO.ObO13e3182046631. PMID: 21173614

De La Rocha A, **Sucato DJ,** Tulchin K, Podeszwa DA. 2012. Treatment of Adolescents With a Periacetabular Osteotomy After Previous Pelvic Surgery. *Clinical Orthopaedics and Related Research*, 470(9): 2583-2590. PMID: 22456947

Standefer KD, Pierce WA, **Sucato DJ**, Kim KW. Detecting a Disruption of Blood Flow to the Femoral Head After Ischemic Injury Using 4 Different Techniques: A Preliminary Study. *Journal of Pediatric Orthopedics*, 32 (1): 75–80, 2012. PMID: 22173392

De La Rocha A, **Sucato DJ,** Tulchin K, Podeszwa DA. 2012. Treatment of Adolescents With a Periacetabular Osteotomy After Previous Pelvic Surgery. *Clinical Orthopaedics and Related Research*, 470(9): 2583-2590.

Newton PO, Bastrom TP, Emans JB, Shah SA, Shufflebarger HL, Sponseller PD, Sucato DJ, Lenke LG. Antifibrinolytic Agents Reduce Blood Loss During Pediatric Vertebral Column Resection Procedures. *Spine,* 37 (23): E1459-63, 2012. (PMID: 22872217)

Lenke LG, Newton PO, Sucato, DJ, Shufflebarger HL, Emans JB, Sponseller PD, Shah SA, Sides BA, Blanke KM. Complications after 147 Consecutive Vertebral Column Resections for Severe Pediatric Spinal Deformity: a Multicenter Analysis. *Spine,* 38 (2): 119-32, 2013. (PMID: 22825478)

Podeszwa DA, Gurd D, Riccio A, De La Rocha A, Sucato DJ. Increased Acetabular Depth May Influence Physeal Stability in Slipped Capital Femoral Epiphysis. *Clinical Orthopaedics and Related Research*, 471 (7): 2151-5, 2013. (PMID: 23354466)

Crawford CH 3rd, Lenke LG, Sucato DJ, Richards, BS 3rd, Emans JB, Vitale MG, Erickson MA, Sanders JO. Selective Thoracic Fusion in Lenke 1C Curves: Prevalence and Criteria. *Spine* 38 (16): 1380-5, 2013. (PMID: 23632336)

Clohisy JC, Baca G, Beaulé PE, Kim YJ, Larson CM, Millis MB, Podeszwa, DA, Schoenecker PL, Sierra RJ, Sink EL, Sucato DJ, Trousdale RT, Zalta I; ANCHOR Study Group. Descriptive Epidemiology of Femoroacetabular Impingement: a North American Cohort of Patients Undergoing Surgery. *American Journal of Sports Medicine*, 41 (6): 1348-56, 2013. (PMID: 23669751)

Vitale MG, Riedel MD, Glotzbecker MP, Matsumoto H, Roye DP, Akbarnia BA, Anderson RC, Brockmeyer DL, Emans JB, Erickson M, Flynn JM, Lenke LG, Lewis SJ, Luhmann SJ, McLeod LM, Newton PO, Nyquist AC, Richards BS 3rd, Shah SA, Skaggs DL, Smith JT, Sponseller PD, Sucato DJ, Zeller RD, Saiman L. Building Consensus: Development of a Best Practice Guideline (BPG) for Surgical Site Infection (SSI) Prevention in High-Risk Pediataric Spine Surgery. *Journal of Pediatric Orthopaedics,* 33 (5): 471-8, 2013. (PMID: 23752142)

Luhmann SJ, Sucato DJ, Bacharier L, Ellis A, Woerz C. Intraoperative Anaphylaxis Secondary to Intraosseous Gelatin Administration. *Journal of Pediatric Orthopaedics,* 33 (5): E58-60, 2013. (PMID: 23752162)

Sucato, DJ. Role of Femoral Head Surgery in Skeletally Mature Perthes Disease. *Journal of Pediatric Orthopaedics*, 33 (Suppl 1): S70-5, 2013. (PMID: 23764796)

Lykissas MG, Sturm PF, McClung A, Sucato DJ, Riordan M, Hammerberg KW. Challenges of Spine Surgery in Patients with Chondrodysplasia Punctata. *Journal of Pediatric Orthopaedics*, (Epub ahead of print), 2013. (PMID: 23836071)

Kim, HK, Aruwajoye O, Sucato DJ, Richards BS, Feng GS, Chen D, King P, Kamiya N. Induction of SHP2-deficiency in Chondrocytes Causes Severe Scoliosis and Kyphosis in Mice. *Spine,* July 18(Epub ahead of print), 2013. (PMID: 23873233)

Non-Peer-Reviewed (Invited) Publications

Shrader MW, **Sucato DJ.** Surgical Dislocation with Trochanteric Osteotomy: A Surgical Approach for Femoroacetabular Impingement. *Current Opinions in Orthopaedics* 16 (6): 439-444, 2005.

El-Hawary R, **Sucato DJ**. Thoracoscopic Approach for Pediatric Spinal Deformity. *Current Opinions in Orthopaedics* 16 (6): 457-463, 2005.

Casey VF, **Sucato DJ**. Pelvic Osteotomies for Hip Dysplasia. *Current Opinions in Orthopaedics* 16 (6): 472-477, 2005.

Sucato DJ. Treatment of Late Dysplasia with Ganz Osteotomy. *The Orthopedic Clinics of North America* (2): 161-171, 2006.

Crawford AH (moderator); Betz RR, Boachie-Adjei O, Lenke LG, Newton PO, **Sucato DJ** (participants). Orthopedics Today Round Table - Scoliosis: Current Indications for Treatments. *Orthopedics Today* 26 (6): 78-82, 2006.

Gurd D., **Sucato DJ**. Immature Idiopathic Scoliosis. *Current Opinions in Orthopaedics* 17 (6): 483-492, 2006.

White K, **Sucato DJ.** Spinal Deformity in the Skeletal Dysplasias. *Current Opinions in Orthopaedics* 17 (6): 499-510, 2006.

Kocher MS, **Sucato DJ**. Specialty Update: What's New in Pediatric Orthopaedics. *J Bone Joint Surgery* 88-A(6):1412-1421, 2006.

Sucato DJ. Treatment of Late Dysplasia with Ganz Osteotomy. *The Orthopedic Clinics of North America* (2): 161-171, 2006.

Sucato DJ. Spine Deformity in Spinal Muscular Atrophy. *J Bone Joint Surgery* 89-A (1): 148-154, 2007.

Sucato DJ, Kim YJ. What's New in Pediatric Orthopaedics? *J Bone Joint Surgery* 89-A (5): 1141-1150, 2007.

Martus JE, **Sucato DJ.** Developmental Disorders of the Hip Age 0-8 Years. *Current Opinions in Orthopaedics* 18 (7): 529-535, 2007.

Sucato DJ. Correspondence: Intraoperative Neurophysiologic Monitoring During Spinal Surgery. *J Am Acad Orthop Surg* 16 (2): 61, 2008.

Lee MC, **Sucato DJ**. Cavovarus Foot: Pediatric Issues with Cavovarus Foot Deformities. *J Foot and Ankle Clinics of North America* 13 (2): 199-219, 2008.

Sucato DJ, Kim YJ. What's New in Pediatric Orthopaedics? *J Bone Joint Surgery* 90-A (6): 1401-1411, 2008.

Crawford AH, Campbell RM, **Sucato DJ**, Lenke LG, Vitale M. Orthopedics Today Round Table - Adolescent Idiopathic Scoliosis: Current Concepts, Treatment Advances and Regulatory Barriers. *Orthopedics Today*, 31 (8), 2011.

Novais EN, Clohisy J, Siebenrock K, Podeszwa D, **Sucato DJ,** Kim YJ. Treatment of the Symptomatic Healed Perthes Hip. *The Orthopedic Clinics of North America*, 42(3): 401-17, 2011.

Book Chapters

Tachdjian's Pediatric Orthopaedics, from the Texas Scottish Rite Hospital for Children 3rd Edition. Herring J.A. (ed.). W.B. Saunders, Philadelphia, PA, 2002. Contributing author.

"Back Pain in Children and Adolescents" in *Adult and Pediatric Spine* 3rd Edition. Frymoyer, John (ed.). Lippincott Williams & Wilkins, Philadelphia, PA, 2003.

"Pediatric Spinal Deformity" in *Orthopaedic Knowledge Update 8 - Pediatrics*. American Academy of Orthopaedic Surgeons, 2004.

"Pediatric Orthopaedics" in *Review of Orthopaedics 4th Edition*. W.B. Saunders Co., Philadelphia, PA, 2004.

"Thoracoscopic Techniques in Spinal Deformities" in *Minimally Invasive Spine Surgery: A Surgical Manual*, 2nd Edition. H. Michael Mayer (ed.). Springer-Verlag, Berlin-Heidelberg-New York, 2006.

"Anterior Release and Fusion Techniques for Thoracic Scoliosis" in *Surgical Anatomy and Techniques of the Spine*. Kim, Daniel; Henn, Jeffrey; Dickman, Curtis; Vaccaro, Alexander (eds.). Elsevier, Inc., Philadelphia, PA, 2006.

"Thoracoscopy" in *Decision Making in Spinal Care*. Alexander Vaccaro and D. Greg Anderson (eds.). Thieme Medical Publishers, New York, NY, 2006.

"Anterior Treatment for Thoracolumbar/Lumbar Scoliosis" in *Surgical Anatomy and Techniques of the Spine*. Kim, Daniel; Henn, Jeffrey; Dickman, Curtis; Vaccaro, Alexander (eds.). Elsevier, Inc., Philadelphia, PA, 2006.

Section editor: "Spinal Deformities in Children" in *Instructional Course Lectures – Pediatrics*. John G. Birch (ed.). American Academy of Orthopaedic Surgeons, Rosemont, IL, 2006.

"Thoracoscopic Anterior Release and Fusion in the Prone Position" in *Surgery of the Pediatric Spine*. Kim, Daniel H.; Betz, Randal R.; Huhn, Stephen L.; Newton, Peter O. (eds.). Thieme Medical Publishers, Inc., New York, NY, 2008.

"Thoracoscopy for Anterior Thoracic Spinal Access" in *Spinal Deformity: A Guide to Surgical Planning and Management*. Mummaneni, Praveen V.; Lenke, Lawrence G., Haid, Jr., Regis W. (eds.). Quality Medical Publishing, Inc., St. Louis, MO, 2008.

"Thoracoscopy and Anterior Correction of Adolescent Idiopathic Scoliosis" in *Spinal Deformity: A Guide to Surgical Planning and Management*. Mummaneni, Praveen V.; Lenke, Lawrence G., Haid, Jr., Regis W. (eds.). Quality Medical Publishing, Inc., St. Louis, MO, 2008.

Todd A. Milbrandt and **Daniel J. Sucato**, "Pediatric Orthopaedics" in *Review of Orthopaedics, 5th Edition*. Mark D. Miller (ed.). Saunders - Elsevier, Inc., Philadelphia, PA, 2008.

James P. Stannard, David A. Volgas, William M. Ricci, **Daniel J. Sucato**, Todd A. Milbrandt, and Matthew R. Craig, "Trauma" in *Review of Orthopaedics, 5th Edition*. Mark D. Miller (ed.). Saunders - Elsevier, Inc., Philadelphia, PA, 2008.

"Anterior Spinal Fusion for Thoracolumbar Idiopathic Scoliosis" in *Master Techniques in Orthopaedic Surgery: Pediatrics*. Tolo, Vernon T.; Skaggs, David L. (eds.). Wolters Kluwer/Lippincott Williams and Wilkins, Philadelphia, PA, 2008.

"Disorders of the Neck and Spine" in *Rudolph's Pediatrics, 22nd Edition*. Sydor, Anne (ed.). McGraw-Hill, New York, NY, December 2009, 2011.

"Selective versus Nonselective Surgery for Adolescent Idiopathic Scoliosis" in *Idiopathic Scoliosis: The Harms Study Group Treatment Guide*. Newton, PO; O'Brien MF; Shufflebarger HL; Betz RR, Dickson RA, Harms J (eds.). Thieme Medical Publishers, Inc., New York, NY, 2010.

"Anterior Interbody Arthrodesis with Instrumentation for Scoliosis" in *Operative Techniques in Orthopaedic Surgery*, Vol. 2, Pt. 4: Pediatrics, Section VII: Spine, Chapter 59, Wiesel, Sam W. (ed.). Wolters Kluwer/Lippincott Williams and Wilkins, Philadelphia, PA, 2011.

"Thoracoscopic Release and Fusion for Scoliosis" in *Operative Techniques in Orthopaedic Surgery*, Vol. 2, Pt. 4: Pediatrics, Section VII: Spine, Chapter 60, Wiesel, Sam W. (ed.). Wolters Kluwer/Lippincott Williams and Wilkins, Philadelphia, PA, 2011.

David A. Podeszwa, **Daniel J. Sucato**, "Slipped Capital Femoral Epiphysis" in *Orthopaedic Knowledge Update – Pediatrics 4*, Song, Kit M. (ed.). American Academy of Orthopaedic Surgeons, Rosemont, IL, 2011.

Daniel J. Sucato, Hong Zhang, Charles E. Johnston, "Anterior Lumbar and Thoracolumbar Correction and Fusion for AIS" in *The Textbook of Spinal Surgery, 3rd Edition*, Vol. 2, Section VII: Idiopathic Scoliosis, Chapter 83, Bridwell, KH, DeWald, RL (eds.). Wolters Kluwer/Lippincott Williams and Wilkins, Philadelphia, PA, 2011.

Daniel J. Sucato, Lyle J. Micheli, A. Reed Estes, Vernon T. Tolo, "Spine Problems in Young Athletes" in *Instructional Course Lectures, 1st Edition*, Vol. 61, Section 7: Spine, Chapter 40, Tornetta, P, Pagnano, MW (eds.). American Academy of Orthopaedic Surgeons, Rosemont, IL, 2012.

Daniel J. Sucato, "Slipped Capital Femoral Epiphysis" in *Surgery of the Hip*, Section V: Pediatric Hip Disorders, Chapter 42, Berry D; Lieberman J (eds.). Saunders - Elsevier, Inc., Philadelphia, PA, 2013.

National/International Society Papers/Presentations *(*denotes presenter)*

Allen HJ*, Matecki E, **Sucato D,** Kisailus EC, DiCioccio R. Isolation, Distribution and Localization of a Galactoside-inhibitable Lectin Present in Human Tissues. Podium Presentation at the Annual Meeting of the Proceedings of the American Association for Cancer Research, May 1987.

Allen HJ*, Barcos M, Gamarra M, **Sucato D,** Gottstine S, Amszynski K, Kisailus E. Immunohistochemical Analysis of Galactoside-binding Lectin in Human Tissues and Cells. Podium Presentation at the Annual Meeting of the Society for Complex Carbohydrates, Bethesda, MD, November 1987.

Allen HJ*, **Sucato D,** Woynaroska B, Bernacki R. Role of Galaptin in Ovarian Carcinoma Cell Adhesion to Extracellular Matrix *In Vitro*. UCLA Symposium, Frisco, CO, January 1989.

Sucato DJ*, Bone LB, Stegemann PM. Comparative Outcome Study of 25 Matched Pairs of Isolated Tibia Fractures Treated with Casting and Intramedullary Rodding. Podium Presentation at the 61st Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, February 1994.

Bone LB*, **Sucato D,** Stegemann P. Outcome Study of Isolated Tibial Fractures. Podium Presentation at the 107th Annual Meeting of The American Orthopaedic Association, Sun Valley, ID, June 1994.

Sucato D*, McGrath B, Green D, Brecher M, Mindell W. Ewing's Sarcoma of the Pelvis: Long-term Follow-up. Podium Presentation at the 45th Annual Meeting of the Dr. Frank Pott's Orthopaedic Day, Buffalo, NY, November 1995.

Sucato DJ*, McGrath BE, Szarzanowicz TE, Green DW, Mindell ER. Pelvic Ewing's Sarcoma: A Long-term Functional Outcome Study. Podium Presentation at the 64th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, February 1997.

Sucato DJ*, Johnston CE II, Birch JG, Herring JA. Outcome of Ultrasonographic Abnormalities in Clinically Normal Hips. Podium Presentation at the 1998 Annual Meeting of The Pediatric Orthopaedic Society of North America, Cleveland, OH, May 1998.

Sucato DJ*, Johnston CE II, Birch JG, Herring JA. Outcome of Ultrasonographic Abnormalities in Clinically Normal Hips. Podium Presentation at the 66th Annual Meeting of the American Academy of Orthopaedic Surgeons, Anaheim, CA, February 1999.

Kilbride E*, **Sucato DJ,** Birch JG. Spinal Deformities in Children with Congenital Diaphragmatic Hernias. Podium Presentation at the 17th Annual Meeting of the Southern Orthopaedic Association, Southampton, Bermuda, July 2000.

Sucato DJ*, Kaiser B. Risk Factors and Management of Pseudoarthrosis following Posterior Segmental Spinal Instrumentation for Idiopathic Scoliosis. Podium Presentation at the 35th Annual Meeting of the Scoliosis Research Society, Cairns, Australia, October 2000.

Sucato DJ*, Welch RD, Pierce B, Haideri N, Zhang H, Bronson D, Mattes S. Thoracoscopic Discectomy and Fusion: Safe and Effective When Segmental Blood Vessels are Spared. Podium Presentation at the 35th Annual Meeting of the Scoliosis Research Society, Cairns, Australia, October 2000.

Sucato DJ*, Hedequist D, Karol LA. Operative Correction of Idiopathic Scoliosis in Boys: A Functional and Radiographic Outcome Comparison to Girls. Podium Presentation at the 35th Annual Meeting of the Scoliosis Research Society, Cairns, Australia, October 2000.

Sucato DJ*, Golden A. Safety of Pedicle Screw Placement for Spinal Deformity at a Pediatric Orthopaedic Center. Podium Presentation at the 35th Annual Meeting of the Scoliosis Research Society, Cairns, Australia, October 2000.

Sucato DJ*, Konigsberg D. Radiographic Outcome Following Triple Innominate Osteotomy for Developmental Dysplasia of the Hip. Podium Presentation at the 2001 Annual Meeting of The Pediatric Orthopaedic Society of North America, Cancun, Mexico, May 2001.

Sucato DJ*, Kassab F, Dempsey, M. Thoracoscopic Anterior Spinal Instrumentation and Fusion for Idiopathic Scoliosis: A CT Analysis of Screw Placement and Completeness of Discectomy. Podium Presentation at the 36th Annual Meeting of the Scoliosis Research Society, Cleveland, OH, September 2001.

Duey-Holtz A, **Sucato DJ***, Safavi F. Safety and Efficacy of Continuous Epidural Analgesia Following Operative Correction of Idiopathic Scoliosis. Podium Presentation at the 69th Annual Meeting of the American Academy of Orthopaedic Surgeons, Dallas, TX, February 2002.

Sucato DJ*, Elerson E. A Comparison between the Prone and Lateral Position for Performing a Thoracoscopic Anterior Release and Fusion for Pediatric Spinal Deformity. Podium Presentation at the 9th International Meeting on Advanced Spine Techniques, Montreux, Switzerland, May 2002.

Duey-Holtz A, **Sucato DJ***, Safavi F. Safety and Efficacy of Continuous Epidural Analgesia Following Operative Correction of Idiopathic Scoliosis. Podium Presentation at the 2002 Annual Meeting of The Pediatric Orthopaedic Society of North America, Salt Lake City, UT, May 2002.

Sucato DJ*, Kassab F, Dempsey, M. Thoracoscopic Anterior Spinal Instrumentation and Fusion for Idiopathic Scoliosis: A CT Analysis of Screw Placement and Completeness of Discectomy. Podium Presentation at the 2002 Annual Meeting of The Pediatric Orthopaedic Society of North America, Salt Lake City, UT, May 2002.

Sucato DJ*, Duey-Holtz A, Elerson E, Safavi F. Postoperative Analgesia Following Surgical Correction for Adolescent Idiopathic Scoliosis: A Comparison of Epidural Analgesia and Patient-controlled Analgesia. Podium Presentation at the 37th Annual Meeting of the Scoliosis Research Society, Seattle, WA, September 2002.

Podeszwa DA*, **Sucato DJ**, Elerson E. Pedicle Screw Fixation in Idiopathic Scoliosis: Does It Save Lumbar Motion Segments When Compared to Hooks? Podium Presentation at the 37th Annual Meeting of the Scoliosis Research Society, Seattle, WA, September 2002.

Sanders JO***,** Polly DW, Cats-Baril W, Jones J, Lenke LG, O'Brien MF, Richards BS, **Sucato DJ**. An Analysis of Patient and Parent Assessment of Deformity in Idiopathic Scoliosis Using the Walter Reed Visual Assessment Scale. Podium Presentation at the 37th Annual Meeting of the Scoliosis Research Society, Seattle, WA, September 2002.

Sucato DJ*, Elerson E. A Comparison between the Prone and Lateral Position for Performing a Thoracoscopic Anterior Release and Fusion for Pediatric Spinal Deformity. Podium Presentation at the 37th Annual Meeting of the Scoliosis Research Society, Seattle, WA, September 2002.

Sucato DJ, Duchene C*. MRI Analysis of the Position of the Aorta Relative to the Spine: A Comparison between Normal Patients and Those with Idiopathic Right Thoracic Curves. Podium Presentation at the 37th Annual Meeting of the Scoliosis Research Society Meeting, Seattle, WA, September 2002.

Lechevallier J***, Sucato DJ.** *L'index de Dystrophie: Uine Approche du Resque Evolutif de la Scoliose dans la NF-1*. Podium Presentation at the Annual Groupe D'Etude en Orthopaedie Pediatrique, Paris, France, November 2002.

Sucato DJ*, Duey-Holtz A, Elerson E, Safavi F. Postoperative Analgesia Following Surgical Correction for Adolescent Idiopathic Scoliosis: A Comparison of Epidural Analgesia and Patient-controlled Analgesia. Podium Presentation at the 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, February 2003.

Sucato DJ, Duchene C*. MRI Analysis of the Position of the Aorta Relative to the Spine: A Comparison between Normal Patients and Those with Idiopathic Right Thoracic Curves. Podium Presentation at the Texas Orthopaedic Association 2003 Annual Meeting, San Antonio, TX, April 2003.

Sucato DJ, Duchene C*. MRI Analysis of the Position of the Aorta Relative to the Spine: A Comparison between Normal Patients and Those with Idiopathic Right Thoracic Curves. Podium Presentation at the 2003 Annual Meeting of The Pediatric Orthopaedic Society of North America, Amelia Island, FL, May 2003.

Sucato DJ*, Elerson E. A Comparison between the Prone and Lateral Position for Performing a Thoracoscopic Anterior Release and Fusion for Pediatric Spinal Deformity. Podium Presentation at the 2003 Annual Meeting of The Pediatric Orthopaedic Society of North America, Amelia Island, FL, May 2003.

D'Andrea LP*, Betz RR, Newton PO, Lenke LG, Clements DH, Harms J, Haher TR, Lowe TG, Merola AA, Crawford AH, **Sucato DJ**. Effects of Continued Posterior Spinal Growth on Sagittal Contour After Anterior Spinal Fusion with Instrumentation of Different Sizes for Adolescent Idiopathic Scoliosis. Podium Presentation at the 38th Annual Meeting of the Scoliosis Research Society, Québec City, Canada, September 2003.

Sucato DJ, Elerson E, Nelson T. Does Ketorolac Predispose to Pseudarthrosis Following Posterior Fusion for Idiopathic Scoliosis? Paper Presentation at the 71st Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, March 2004.

Sucato DJ*, Rathjen KE, Harris K. The Effect of Surgical Approach on Pulmonary Function in the Treatment of Adolescent Idiopathic Scoliosis. Podium Presentation at the 2004 Annual Meeting of The Pediatric Orthopaedic Society of North America, St. Louis, MO, May 2004.

Sucato DJ, Rathjen KE*, Harris K. The Effect of Surgical Approach on Pulmonary Function in the Treatment of Adolescent Idiopathic Scoliosis. Podium Presentation at the 11th International Meeting on Advanced Spine Techniques, Southampton, Bermuda, July 2004.

Lenke L*, O'Brien M, Kuklo T, Polly D, Richards B, **Sucato DJ**. Indications for Circumferential Fusion Surgery in Adolescent Idiopathic Scoliosis: A Multicenter Analysis. Podium Presentation at the 11th International Meeting on Advanced Spine Techniques, Southampton, Bermuda, July 2004.

O'Brien M*, Lenke L, Kuklo T, Polly D, **Sucato DJ**, Richards B, Lubicky J, Ibrahim K, Kawakami N, King A. The Relationship between the Lowest Instrumented (LIV), Stable (SV) and Lowest End Vertebrae (LEV) in "Single Overhang" Thoracic and Thoracolumbar/Lumbar AIS: Anterior vs. Posterior Techniques. Podium Presentation at the 11th International Meeting on Advanced Spine Techniques, Southampton, Bermuda, July 2004.

O'Brien M*, Lenke L, Sarwark J, **Sucato DJ**, Richards B, Kuklo T, Newton P, Weinstein S, Diab M, Suk S. A Multicenter Clinical and Radiographic Analysis of Anterior and Posterior Surgical Techniques for Treatment of "Single Overhang" Thoracic AIS: The Current State of the Art. Podium Presentation at the 11th International Meeting on Advanced Spine Techniques, Southampton, Bermuda, July 2004.

Vanderhaave K*, **Sucato DJ**, Johnston CE. Choosing the Distal Fusion Level for Anterior Instrumentation and Fusion in Thoracic Adolescent Idiopathic Scoliosis. Podium Presentation at the 39th Annual Meeting of the Scoliosis Research Society, Buenos Aires, Argentina, September 2004.

Sucato DJ*, O'Brien M, Lowe T. Restoration of Thoracic Sagittal Kyphosis Following Operative Treatment for Adolescent Idiopathic Scoliosis: A Comparison of Three Surgical Approaches. Paper Presentation at the 39th Annual Meeting of the Scoliosis Research Society, Buenos Aires, Argentina, September 2004.

Sucato DJ*, Elerson E, Nelson T. Does Postoperative Ketorolac Predispose to Pseudarthrosis Following Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis? Paper Presentation at the 39th Annual Meeting of the Scoliosis Research Society, Buenos Aires, Argentina, September 2004.

Sucato DJ*. Defining the Learning Curve for Performing a Thoracoscopic Anterior Spinal Fusion and Instrumentation for AIS: A Multi-Center Study. Podium Presentation at the 2005 Annual Meeting of The Pediatric Orthopaedic Society of North America, Ottawa, Canada, May 2005.

Sucato DJ*. Restoration of Thoracic Kyphosis Following Operative Treatment for Adolescent Idiopathic Scoliosis: A Comparison of Three Surgical Approaches. Podium Presentation at the 2005 Annual Meeting of The Pediatric Orthopaedic Society of North America, Ottawa, Canada, May 2005.

Sucato DJ*, Lenke L, Richards B, Kuklo T, O'Brien M, Polly D. Changes in Body Mass Index in AIS Surgical Patients. Podium Presentation at the 12th International Meeting on Advanced Spine Techniques, Banff, Alberta, Canada, July 2005.

Sucato, DJ*, Popejoy D, McClung A. Operative Treatment of Scoliosis in Patients Who Have Syringomyelia. Podium Presentation at the 12th International Meeting on Advanced Spine Techniques, Banff, Alberta, Canada, July 2005.

Lenke L*, Braun J, Bridwell KH, Dimar JR, Dobbs M, Glassman S, Hedequist D, Hresko MT, Kuklo TR, Lenke LG, McCarthy R, Polly DW, Richards BS, Sanders J, Sarwark J, Sponsellor P, **Sucato DJ**, Weinstein S. Reliability Analysis of End, Neutral, Stable, and Lowest Instrumented Vertebrae Selection in Adolescent Idiopathic Scoliosis: Surgeon versus Digital Software Determination. Podium Presentation at the 12th International Meeting on Advanced Spine Techniques, Banff, Alberta, Canada, July 2005.

Crawford A*, Babekir N, Lowe TG, Betz R, Lenke L, Haher T, Merola A, Newton P, Clements D, **Sucato DJ**, Letko L. Comparison Between Left and Right Thoracic Curves in Idiopathic Scoliosis. Podium Presentation at the 12th International Meeting on Advanced Spine Techniques, Banff, Alberta, Canada, July 2005.

Sucato DJ, Newton PO, Betz RR, Picetti GG, Lenke LG, Hresko MT, Hu SS, Braun JT, Roye DP, and Vitale MG. Defining the Learning Curve for Performing a Thoracoscopic Anterior Spinal Fusion and Instrumentation for AIS: A Multi-Center Study. Podium Presentation at the 20th Annual Meeting of the North American Spine Society, Philadelphia, PA, September/October 2005.

Sucato DJ*, Sparagana S, El-Hawary R, McClung A, Van Allen E, Rampy P. Spinal Cord Monitoring in Patients with Spinal Deformity and Neural Axis Abnormalities: A Comparison to AIS Patients. Podium Presentation at the 40th Annual Scoliosis Research Society Meeting, Miami, FL, October 2005.

Krishnan S*, Newton P, Betz R, Lenke L, Lowe T, Clements D, D'Andrea L, **Sucato D**. Thoracoscopic Anterior Instrumentation Affects Pulmonary Function Less Than Open Thoracotomy at Two Years Post-op. Podium Presentation at the 40th Annual Scoliosis Research Society Meeting, Miami, FL, October 2005.

Shrader MW*, **Sucato D,** Haideri N. Functional, Gait and Radiographic Outcome Following Ganz Periacetabular Osteotomy for Hip Dysplasia. Paper Presentation at the 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL, March 2006.

El-Hawary R*, Sparagana S, **Sucato D**, McClung A, Van Allen E, Rampy P. Spinal Cord Monitoring in Patients with Neural Axis Abnormalities: A Comparison to AIS Patients. Paper Presentation at the 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL, March 2006.

Sucato DJ*, Newton PO, Betz RR, Picetti III GD, Lenke LG, Hresko MT, Hu SS, Braun JT, Roye Jr DP. Learning Curve for Thoracoscopic Anterior Fusion and Instrumentation for AIS: A Multi-Center Study. Paper Presentation at the 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL, March 2006.

Sucato DJ*, Gilbert NF. Autologous Rib Strut Graft for Pediatric Spinal Deformity: Is a Vascularized Graft Necessary? Paper Presentation at the 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL, March 2006.

Sucato DJ*, Andrade NS, Moore W, Ross Ward D. Lateral vs. Cross Pinning for Supracondylar Humerus Fractures: A Large Single Institution Study. Paper Presentation at the 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL, March 2006.

Kishan S*, Newton PO, Betz RR, Lenke LG, Lowe TG, Clements III DH, D'Andrea LP, **Sucato DJ**. Thoracoscopic Anterior Scoliosis Instrumentation Improves Pulmonary Function at Two Years Follow-Up. Paper Presentation at the 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL, March 2006.

Shrader W*, **Sucato D**, Zhang H, McClung A. Lenke 1A Curve Patterns: A Comparison of Anterior and Posterior Instrumentation and Fusion. Podium Presentation at the 2006 Annual Meeting of The Pediatric Orthopaedic Society of North America, San Diego, CA, May 2006.

Sucato D*, Podeszwa D. The Use of MRI Arthrography in the Diagnosis of Hip Pathology: A Comparison to Findings at Surgical Hip Dislocation. Paper Presentation at the 2006 Annual Meeting of The Pediatric Orthopaedic Society of North America, San Diego, CA, May 2006.

El-Hawary R*, Sparagana S, Van Allen E, Rampy P, **Sucato D**. Spinal Cord Monitoring in Patients with Neural Axis Abnormalities: A Comparison to AIS Patients. Podium Presentation at the 61st Annual Meeting of the Canadian Orthopaedic Association, Toronto, Ontario, Canada, June 2006.

Sucato D, Hasley B, and McClung A. Closed Suction Drainage Following Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis: Is it Necessary? Podium Presentation at the 13th International Meeting on Advanced Spine Techniques, Athens, Greece, July 2006.

Sucato D, Shrader W, Zhang H, and McClung A. Lenka 1A Curve Patterns: A Comparison of Anterior and Posterior Instrumentation and Fusion. Podium Presentation at the 13th International Meeting on Advanced Spine Techniques, Athens, Greece, July 2006.

Lenke L, Sucato D, Emans J, Richards B, Kuklo T, McCarthy R, and Diab M. Prospective Multicenter Evaluation of Fusion Level Selection in Adolescent Idiopathic Scoliosis: Are the Lenke Classification Rules Still Followed?. Podium Presentation at the 13th International Meeting on Advanced Spine Techniques, Athens, Greece, July 2006.

Lenke L, Kuklo T, Sucato D, Richards B, Emans J and Sides B. Comparison of the Lower-End Vertebra (LEV) at the Lowest Instrumented Vertebra (LIV) in Adolescent Idiopathic Scoliosis: A Role for the Addition of an LEV Modifier to the Lenke Classification System. Podium Presentation at the 13th International Meeting on Advanced Spine Techniques, Athens, Greece, July 2006.

Sucato D*. Risk Factors for the Development of Delayed Infection Following Posterior Spinal Fusion and Instrumentation for AIS. Podium Presentation at the 41st Annual Scoliosis Research Society Meeting, Monterey, CA, September 2006.

Sucato D*. Rib-Strut Graft for Pediatric Spinal Deformity: A Comparison between Vascularized and Non-Vascularized Rib Graft. Podium Presentation at the 41st Annual Scoliosis Research Society Meeting, Monterey, CA, September 2006.

Puno R, Lenke L, Richards BS, **Sucato DJ**, Emans J, Erickson M. Non-Neurologic Complications Following Surgery for Adolescent Idiopathic Scoliosis. Paper Presentation at the 74th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 2007.

Sucato, D*, McClung A, Cook P, Lechevallier J. Spinal Deformity in Neurofibromatosis: A Grading System to Predict Progression and Surgical Outcome. Paper Presentation at the 74th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 2007.

Sucato D*, Agrawal S, McClung A, Johnston C. Thoracolumbar Scoliosis: Comparison of Single Rod Anterior Surgery With/Without Anterior Support. Paper Presentation at the 74th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 2007.

Sucato D*. Educational Opportunities in Orthopaedics. Podium Presentation at the Western Orthopaedic Association California Chapter Meeting, San Diego, CA, March 2007.

Sucato D*, Podeszwa, D. Surgical Dislocation with Open Reduction and Internal Fixation for Unstable Slipped Capital Femoral Epiphysis: Early Promising Results. Podium Presentation at the 2007 Annual Meeting of The Pediatric Orthopaedic Society of North America, Hollywood, FL, May 2007.

White KK, Agrawal S, **Sucato DJ***. Ultrasonographic Predictors of Pavlik Harness Failure in Ortolani Positive Hips. Podium Presentation at the 2007 Annual Meeting of The Pediatric Orthopaedic Society of North America, Hollywood, FL, May 2007.

Sucato DJ*, Riccio AI, Hasley BP, Tsai C, Zhang HJ. The Value of Intra-operative Radiographs Following Posterior Spinal Fusion for Idiopathic Scoliosis. Podium Presentation at the 2007 Annual Meeting of The Pediatric Orthopaedic Society of North America, Hollywood, FL, May 2007.

Sanders JO, Dormans JP, Kuklo TR*, Lenke LG, Richards BS, Johnston CE, **Sucato DJ**, Emans JB, Diab M, Shainline MR, Wootten D. Change in Thoracic Sagittal Alignment Following Posterior Instrumentation for Lenke 1A and B Curves. Podium Presentation at the 14th Annual International Meeting on Advanced Spine Techniques, Paradise Island, Bahamas, July 2007.

Zhang H*, **Sucato DJ,** Pierce WA, Ross D. Novel Dual-rod Screw for Thoracoscopic Anterior Instrumentation: Biomechanical Evaluation Compared with Single-rod and Dual-rod/Dual-screw Anterior Constructs. Podium Presentation at the 14th Annual International Meeting on Advanced Spine Techniques, Paradise Island, Bahamas, July 2007.

Sucato DJ, Tompkins B*, McClung A. Use of the Lenke Classification for Double Thoracic Curves: Does It Increase the Incidence of Fusion of the Proximal Thoracic Curve and Change Radiographic Outcomes? Podium Presentation at the 14th Annual International Meeting on Advanced Spine Techniques, Paradise Island, Bahamas, July 2007.

Sucato DJ*, Newton PO, Betz RR, Lenke LG, Lowe TG, Crawford AH, Letko L, Lonner BS. Patients Who Have a Selective Thoracic Fusion for Lenke 1 and 2 Curves Have Similar

Coronal Balance but Improved Functional Outcome Scores at Two Years When Compared to Those Who Are Fused into the Lumbar Spine. Podium Presentation at the 42nd Annual Scoliosis Research Society Meeting, Edinburgh, Scotland, September 2007.

Shah SA, Sponseller PD, Abel MF, Newton PO, **Sucato DJ**, Letko L, Betz RR, The Harms Study Group. The Feasibility of Neuromonitoring for Cerebral Palsy Scoliosis and the Outcome of Neurological Complications. Podium Presentation at the 42nd Annual Scoliosis Research Society Meeting, Edinburgh, Scotland, September 2007.

Sucato DJ, Agrawal S, Hasley BP, McClung A. Infantile Idiopathic Scoliosis: Natural History and Predictors of Curve Progression. Podium Presentation at the 42nd Annual Scoliosis Research Society Meeting, Edinburgh, Scotland, September 2007.

Sucato DJ, Erken HY. The Utility of Preoperative Conference to Determine a Final Plan for Surgical Treatment in Pediatric Spinal Deformity. Podium Presentation at the 42nd Annual Scoliosis Research Society Meeting, Edinburgh, Scotland, September 2007.

Sponseller PD, Shah SA, Abel MF, Newton PO, **Sucato DJ**, Letko L, Betz RR, Shufflebarger H, D'Andrea LP, Clements DH, Marks MC. Scoliosis Surgery in Cerebral Palsy: Differences Between Unit Rod and Custom Rods. Podium Presentation at the 42nd Annual Scoliosis Research Society Meeting, Edinburgh, Scotland, September 2007.

Hasley BP, McClung A, **Sucato DJ**. Closed Suction Drainage Following Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis: Is it Necessary? Podium Presentation at the 42nd Annual Scoliosis Research Society Meeting, Edinburgh, Scotland, September 2007.

Sucato DJ, Richards BS, Johnston CE, Lenke LG, Kuklo TR, Sanders JO, Spinal Deformity Study Group. Parent/Patient Preoperative Perceptions of Appearance in Lenke 2 Curves – Do They Correlate with the Radiographic and Clinical Examination? Podium Presentation at the 42nd Annual Scoliosis Research Society Meeting, Edinburgh, Scotland, September 2007.

Tompkins BA, **Sucato DJ**, McClung, A. The Lenke Classification for Double Thoracic Curves May Overestimate the Need for Proximal Fusion. Podium Presentation at the 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, March 2008.

Sucato DJ, Newton PO, Betz RR, Lenke LG, Lowe TG, Crawford AH, Letko LJ, Lonner B. Selective Fusion of Lenke 1 & 2 Curves Have Better Outcome Scores Compared to Non-selective Fusions. Podium Presentation at the 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, March 2008.

Sucato DJ, Podeszwa DA. Surgical Hip Dislocation and ORIF for Unstable SCFE: Early Promising Results. Non-selective Fusions. Podium Presentation at the 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, March 2008.

Sucato DJ* et al. Radiographic and Gait Outcome Following Ganz Periacetabular Osteotomy for Adolescent Hip Dysplasia. Podium Presentation at the 2008 Annual Meeting of The Pediatric Orthopaedic Society of North America, Albuquerque, NM, May 2008.

Sucato DJ* et al. Surgical Dislocation in the Treatment of Acute Slipped Capital Femoral Epiphysis. Podium Presentation at the 2008 Annual Meeting of The Pediatric Orthopaedic Society of North America, Albuquerque, NM, May 2008.

Sucato DJ*, Kuklo TR, Diab M, Richards BS, Johnston CE, Lenke LG, Spinal Deformity Study Group. Risk Factors for Critical Intra-operative Neuromonitoring Changes During AIS Surgery. Podium Presentation at the 15th Annual International Meeting on Advanced Spine Techniques, Hong Kong, China, July 2008.

Walick K*, McClung A, **Sucato DJ**, Johnston CE. Halo-Gravity Traction in Severe Pediatric Spinal Deformity. Podium Presentation at the 43rd Annual Scoliosis Research Society Meeting, Salt Lake City, UT, September 2008.

Sanders JO, Diab M*, Richards BS, Lenke LG, Johnston CE, Emans JB, **Sucato DJ**, Erickson MA, Bridwell KH, McCarthy RE, Sarwark JF, Dormans JP, Kuklo T, Shainline M, Spinal Deformity Study Group. Fixation Points within the Main Thoracic Curve: Does More Instrumentation Produce Greater Curve Correction? Podium Presentation at the 43rd Annual Scoliosis Research Society Meeting, Salt Lake City, UT, September 2008.

Sanders JO*, Dormans JP, Kuklo T, Lenke LG, Richards BS, Johnston CE, **Sucato DJ**, Emans JB, Diab M, Shainline M, Spinal Deformity Study Group. Change in Thoracic Sagittal Alignment Following Posterior Instrumentation for Lenke 1A and B Curves. Podium Presentation at the 43rd Annual Scoliosis Research Society Meeting, Salt Lake City, UT, September 2008.

Tompkins B, **Sucato DJ***, McClung A. Surgeon Reliability for Assessing Shoulder Height in AIS Patients with Double Thoracic Curves. Podium Presentation at the 43rd Annual Scoliosis Research Society Meeting, Salt Lake City, UT, September 2008.

Diab M*, Kuklo T, Sanders JO, Lenke LG, **Sucato DJ**. Impact of Idiopathic Scoliosis and its Surgical Treatment on Appearance in Children. Podium Presentation at the 43rd Annual Scoliosis Research Society Meeting, Salt Lake City, UT, September 2008.

Zhang H*, **Sucato DJ,** Nurenberg P, McClung A. Pedicle and Neurocentral Synchondrosis Development in Infantile and Juvenile Idiopathic Scoliosis. Podium Presentation at the 76th Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, NV, February 2009.

Sink EL*, **Sucato DJ,** Young-Jo K, Dayton MR, Clohisy JC, Zaltz I. Multi-center Evaluation of Early Complications Following Surgical Hip Dislocation. Podium Presentation at the 76th Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, NV, February 2009.

Sucato DJ*, Kuklo TR, Diab M, Richards BS, Johnston CE, Lenke LG. Intraoperative AIS Neuromonitoring: Factors Associated with Good Baseline Data and Critical Changes. Podium Presentation at the 76th Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, NV, February 2009.

Sucato DJ*, Hernandez A. A Positive Impingement Sign Identifies Labral Pathology in Adolescent Hip Dysplasia. Podium Presentation at the 76th Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, NV, February 2009.

Sucato DJ*, Thawrani D, Podeszwa DA, Hernandez A. Acute Complications of Ganz (Bernese) Periacetabular Osteotomy for Adolescent Hip Dysplasia. Podium Presentation at the 76th Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, NV, February 2009.

Sucato DJ*, Kuklo TR, Diab M, Richards BS, Johnston CE, Lenke LG. Intraoperative AIS Neuromonitoring: Factors Associated with Good Baseline Data and Critical Changes. Podium Presentation at the 2009 Meeting of the Pediatric Orthopaedic Society of North America, Boston, MA, April 29-May 2, 2009.

Sucato DJ*, Thawrani D, Hernandez A, Podeszwa DA. Reconstruction of Severe Hip Dysplasia in Ambulatory Cerebral Palsy by Ganz Periacetabular Osteotomy With or Without Proximal Femoral Valgus Osteotomy. Podium Presentation at the 2009 Meeting of the Pediatric Orthopaedic Society of North America, Boston, MA, April 29-May 2, 2009.

Sucato DJ, Walick K*, McClung A, Johnston CE. The Use of Preoperative Halo-Gravity Traction in Severe Pediatric Spinal Deformity. Podium Presentation at the 2009 Meeting of the Pediatric Orthopaedic Society of North America, Boston, MA, April 29-May 2, 2009.

Thawrani D*, **Sucato DJ**, Hernandez A, Podeszwa DA. Re-operations Following the Ganz Periacetabular Osteotomy for Adolescent Hip Dysplasia. Podium Presentation at the 2009 Meeting of the Pediatric Orthopaedic Society of North America, Boston, MA, April 29-May 2, 2009.

Allen LA*, **Sucato DJ**, Hernandez A. The Utility of Computed Tomography in Assessing Reduction of Developmentally Dislocated Hips. Podium Presentation at the 2009 Meeting of the Pediatric Orthopaedic Society of North America, Boston, MA, April 29-May 2, 2009.

Sink EL*, **Sucato DJ,** Kim HJ, Dayton MR, Clohisy JC. Multicenter Evaluation of Early Complications Following Surgical Hip Dislocation in Adolescents. Podium Presentation at the 2009 Meeting of the Pediatric Orthopaedic Society of North America, Boston, MA, April 29-May 2, 2009.

Sucato DJ*, McClung A. Vertebral Column Resection for Severe Pediatric Deformity: Deformity Correction, Trunk Height, and Pulmonary Function Results. Podium Presentation at the 16th Annual International Meeting on Advanced Spine Techniques, Vienna, Austria, July 2009.

Sucato DJ*, Carreon LY, Sanders JO, Diab M, Sturm PF, Glassman SD, Spinal Deformity Study Group. Are There Preoperative Parameters Which Correlate to Worse Preoperative SRS Scores That Surgeons Can Strategize to Correct to Maximize Outcome? Podium Presentation at the 16th Annual International Meeting on Advanced Spine Techniques, Vienna, Austria, July 2009.

Lenke LG*, Bridwell KH, Erickson MA, **Sucato DJ**, Richards BS, King AG, Johnston CE, Oswald TS, Kuklo TR, Sides B, Spinal Deformity Study Group. Prospective Radiographic and Clinical Outcomes and Complications of 756 Consecutive Operative

Adolescent Idiopathic Scoliosis Patients. Podium Presentation at the 44rd Annual Scoliosis Research Society Meeting, San Antonio, TX, September 2009.

Lenke LG*, Kuklo TR, **Sucato DJ**, Erickson MA, Emans JB, Richards BS, Diab M, Bridwell K, Sides B, Spinal Deformity Study Group. Pedicle Screw Constructs Provide Superior Thoracic Rib Hump and Lumbar Prominence Correction following Adolescent Idiopathic Scoliosis Surgery. Podium Presentation at the 44rd Annual Scoliosis Research Society Meeting, San Antonio, TX, September 2009.

Sucato DJ*, Richards BS, Johnston CE, Lenke LG, Kuklo TR, Sanders JO, Spinal Deformity Study Group. Postoperative Shoulder Height Assessment in AIS by Parents and Patients: Does Their Perspective Correlate to Radiographic and Clinical Measurements? Podium Presentation at the 44th Annual Scoliosis Research Society Meeting, San Antonio, TX September 2009.

Richards BS*, **Sucato DJ**, Johnston CE, Diab M, Sarwark J, Kuklo TR, Lenke LG, Parent S, Spinal Deformity Study Group. Right Thoracic Curves in AIS – Which Clinical and Radiographic Findings Correlate with a Preoperative Abnormal MRI? Podium Presentation at the 44th Annual Scoliosis Research Society Meeting, San Antonio, TX September 2009.

Sharkey MS*, **Sucato DJ**, Emans J, Oswald TS, Lenke LG, Takemoto S, Diab M. Bracing Before Posterior Spinal Fusion with Instrumentation (PSFI) for Adolescent Idiopathic Scoliosis (AIS) is Associated with Reduced Satisfaction, Lower Activity Levels, and More Pain at 2 Years After Operation. Podium Presentation at the 44th Annual Scoliosis Research Society Meeting, San Antonio, TX, September 2009.

Carreon LY*, Sanders JO, Diab M, Sturm PF, Glassman SD, **Sucato DJ**, Spinal Deformity Study Group. The Minimum Clinically Important Difference in SRS-22 Appearance: Activity and Pain Domains After Surgical Correction of Adolescent Idiopathic Scoliosis. Podium Presentation at the 44th Annual Scoliosis Research Society Meeting, San Antonio, TX, September 2009.

Sanders JO*, Carreon LY, **Sucato DJ**, Sturm P, Diab M. Can We Predict Postoperative SRS Outcomes Scores in Adolescent Idiopathic Scoliosis? Podium Presentation at the 44th Annual Scoliosis Research Society Meeting, San Antonio, TX, September 2009.

Johnston CE*, Richards BS, **Sucato DJ**, Bridwell KH, Lenke LG, Erickson MA, Spinal Deformity Study Group. Correlation of Preop Curve Severity with Pulmonary Function Tests (PFTs) in AIS. Podium Presentation at the 44th Annual Scoliosis Research Society Meeting, San Antonio, TX, September 2009.

Zhang HJ*, **Sucato DJ**. Quantitative Histology of the Neurocentral Synchondrosis in a Growing Animal Scoliosis Model. Short Talk Poster Presentation at the 56th Annual Meeting of the Orthopaedic Research Society, New Orleans, LA, March 6-9, 2010.

Sucato DJ. Patient Satisfaction after Surgical Correction of Adolescent Idiopathic Scoliosis. Podium Presentation at the 77th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, March 9-13, 2010.

Sucato DJ*. FAI and Long Term Outcome of In-situ Fixation for Slipped Capital Femoral Epiphysis (SCFE). Podium Presentation at the 77th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, March 9-13, 2010.

Sucato DJ*. Previous Pelvic Surgery Does Not Affect the Radiographic and Functional Outcomes of Adolescent Patients Treated with a Periacetabular Osteotomy for Hip Dysplasia. Podium Presentation at the 2010 Meeting of the Pediatric Orthopaedic Society of North America, Waikoloa, HI, May 4-7, 2010.

Sucato DJ*. Vertebral Column Resection for Severe Pediatric Deformity: Deformity Correction, Trunk Height and Pulmonary Function Results. Podium Presentation at the 2010 Meeting of the Pediatric Orthopaedic Society of North America, Waikoloa, HI, May 4-7, 2010.

Zhang HJ*, **Sucato DJ**. Neurocentral Synchondrosis Screws to Create and Correct Experimental Deformity. Podium Presentation at the 17th Annual International Meeting on Advanced Spine Techniques, Toronto, Canada, July 2010.

Sucato DJ*, Richards BS, Lenke LG, Johnston CE, Sanders JO, Erickson MA, Carreon LY, Spinal Deformity Study Group. Revision Surgery for AIS Results in SRS Scores Comparable to Primary Surgery Patients. Podium Presentation at the 17th Annual International Meeting on Advanced Spine Techniques, Toronto, Canada, July 2010.

Sucato DJ*, Wingfield J, McClung A, Sparagana S, Rampy P. Dual Motor Monitoring Using Transcranial Motor Evoked Potentials and Neurogenic MEPs During Spinal Deformity Surgery May Offer the Best of Both for Challenging Deformity Surgery. Podium Presentation at the 17th Annual International Meeting on Advanced Spine Techniques, Toronto, Canada, July 2010.

Sucato DJ*, Shah S, Lenke LG, Newton PO, Emans M, Shufflebarger H, Sponseller P. Prompt Response to Critical Spinal Cord Monitoring Changes During Vertebral Column Resection Results in a Low Incidence of Permanent Neurologic Deficit. Podium Presentation at the 17th Annual International Meeting on Advanced Spine Techniques, Toronto, Canada, July 2010.

Fletcher N*, Hopkins J, McClung A, Browne RE, **Sucato DJ**. Residual Thoracic Hypokyphosis Following Posterior Spinal Fusion in Adolescent Idiopathic Scoliosis: Risk Factors and Clinical Ramifications. Podium Presentation at the 45th Annual Meeting of the Scoliosis Research Society, Kyoto, Japan, September 2010.

Sanders JO*, Lenke LG, Emans M, Johnston CE, Richards BS, **Sucato DJ**, Diab M, Erickson M, Polly D. Are Surgical Results in Larger Curves Inferior to Those in Smaller Curves? Podium Presentation at the 45th Annual Meeting of the Scoliosis Research Society, Kyoto, Japan, September 2010.

Vitale M*, **Sucato DJ**, Richards BS. Factors Predicting Coronal Decompensation of Lenke 1 Curves Following Selective Fusion. Podium Presentation at the 45th Annual Meeting of the Scoliosis Research Society, Kyoto, Japan, September 2010.

Vitale M*, Jameel OF, Sucato DJ, Richards BS, Emans JB, Erickson MA, Sanders JO, Lenke JK. How Much is Too Much? Higher Degrees of Curve Correction Correlate with

Worsened Sagittal Balance (or Factors Predicting Coronal Decompensation of Lenke 1 Curves Following Selective Fusion). Podium Presentation at the 45th Annual Meeting of the Scoliosis Research Society, Kyoto, Japan, September 2010.

Carreon LY*, Sanders JO, Polly DW, Sucato DJ, Parent S, Diamond BE. Validation of the Scoliosis Appearance Questionnaire. Podium Presentation at the 45th Annual Meeting of the Scoliosis Research Society, Kyoto, Japan, September 2010.

Lenke LG*, Newton PO, Sucato DJ, Shufflebarger HL, Emans JB, Sponseller PD, Shah SA, Sides B, Blanke K. Multicenter Analysis of 147 Consecutive Vertebral Column Resections for Severe Pediatric Spinal Deformity. Podium Presentation at the 45th Annual Meeting of the Scoliosis Research Society, Kyoto, Japan, September 2010.

Shah SA, Sucato DJ*, Lenke LG, Newton PO, Emans JB, Shufflebarger HL, Sponseller PD. Prompt Response to Critical Spinal Cord Monitoring Changes during Vertebral Column Resection Results in a Low Incidence of Permanent Neurologic Deficit. Podium Presentation at the 45th Annual Meeting of the Scoliosis Research Society, Kyoto, Japan, September 2010.

Newton PO*, Bastrom T, Emans JB, Shah SA, Shufflebarger HL, Sponseller PD, Sucato DJ, Lenke LG. Antifibrinolytic Agents Substantially Reduce Blood Loss During Vertebral Column Resection Procedures. Podium Presentation at the 45th Annual Meeting of the Scoliosis Research Society, Kyoto, Japan, September 2010.

Sucato DJ*, McClung A. The Utility of Bending Films in Preoperative Planning for Adolescent Idiopathic Scoliosis. Podium Presentation at the 78th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 15-19, 2011.

Shah SA, Sucato DJ, Newton PO, Shufflebarger HL, Emans JB, Sponseller PD, Neiss G, Yorgova P, Lenke LG. Perioperative Neurologic Events in Pediatric Vertebral Column Resection: Nature, Frequency & Outcomes. Podium Presentation at the 78th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 15-19, 2011.

Larson AN*, Rabenhorst B, De La Rocha A, Sucato DJ. Poor Inter- and Intra-Observer Reliability for common Measures of Congruency in Severe Hip Dysplasia. Podium Presentation at the 78th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 15-19, 2011.

Nepple J*, Martell JM, Hosalkar HS, Kim YJ, Podeszwa DA, Sink EL, Sucato DJ, Zaltz I, Clohisy JC. Comparison of Radiographs and CT Imaging In detecting Femoral Head-Neck Junction. Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 15-19, 2011.

Bastrom T, Newton PO, Emans JB, Shah SA, Shufflebarger HL, Sponseller PD, Sucato DJ, Lenke LG. Antifibrinolytic Agents Substantially Reduce Blood Loss During Vertebral Column Resections. Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 15-19, 2011.

Martell JM, Kim YJ, Millis MB, Podeszwa DA, Sink EL, Sucato DJ, Zaltz I, Clohisy JC. Do Alpha Angles on Plain Radiographs Correlate with Three-dimensional Imaging? Podium

Presentation at the 2011 Annual Meeting of the Mid-America Orthopaedic Association, Tucson, AZ, April 8, 2011.

Martell JM, Hosalkar HS, Kim YJ, Millis MB, Podeszwa DA, Sink EL, Sucato DJ, Zaltz I, Clohisy JC. The Reliability of Computer-assisted Analysis of Pelvic Radiographs. Podium Presentation at the 2011 Annual Meeting of the Mid-America Orthopaedic Association, Tucson, AZ, April 8, 2011.

Sucato DJ*, McClung A, Allen ZG. Outcome of Operative Treatment for Spinal Deformity in Patients with Syringomyelia: A Comparison Study to AIS Patients. Podium Presentation at the 2011 Meeting of the Pediatric Orthopaedic Society of North America, Montreal, Quebec, Canada, May 11-14, 2011.

Podeszwa DA*, Tulchin KL, DeLaRocha A, Sucato DJ. Early Radiographic and Functional Results of Surgical Dislocation of the Hip to Treat Residual Hip Pathology Associated with Perthes Disease. Podium Presentation at the 2011 Meeting of the Pediatric Orthopaedic Society of North America, Montreal, Quebec, Canada, May 11-14, 2011.

Gomez JA, Matsumoto H, Colacchi ND, Miller DJ, Roye DP, Sucato DJ, Richards BS, Emans JB, Erickson MA, Sanders JO, Lenke LG, Vitale MG. Characteristics of Patients with Adolescent Idiopathic Scoliosis Who Experience Coronal Decompensation Following Posterior Spinal Instrumentation and Fusion. Podium Presentation at the 46th Annual Meeting of the Scoliosis Research Society, Louisville, KY, September 14-17, 2011.

Johnston CE, Richards BS, Sucato DJ, Bridwell KH, Lenke LG, Erickson MA. Improvement in Pulmonary Function at Two Years Following Corrective Surgery for AIS – A Prospective Study. Podium Presentation at the 46th Annual Meeting of the Scoliosis Research Society, Louisville, KY, September 14-17, 2011.

Sucato DJ*, McClung A, Allen ZG. Outcome of Operative Treatment for Spinal Deformity in Patients with Syringomyelia: A Comparison Study to AIS Patients. Podium Presentation at the 46th Annual Meeting of the Scoliosis Research Society, Louisville, KY, September 14-17, 2011.

Sucato DJ*, McClung A, Saran N, Thawrani D, Garg S, Schiller JR. Ten Year Outcome of Patients Following Initial AIS Surgery: A Comparison of Single Surgery and Revision Surgery Patients. Podium Presentation at the 46th Annual Meeting of the Scoliosis Research Society, Louisville, KY, September 14-17, 2011.

Sucato DJ*, McClung A, Shaha J, Matthys AS, Saran N. Congenital Scoliosis: A Single Institution Experience with Long-Term Follow-Up. Podium Presentation at the 46th Annual Meeting of the Scoliosis Research Society, Louisville, KY, September 14-17, 2011.

Sucato DJ*, McClung A, Matthys A, Shaha J. "Congenital Scoliosis: A Single Institution Experience with Long-term Follow Up". Podium Presentation at the 2012 Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, February 7-11, 2012.

Nepple J, Zaltz I, Kim YJ, Martell JM, Millis MB, Sucato DJ, Clohisy JC. "The Alpha Angle and Head-Neck Offset Ratio in the Diagnosis of FAI: Do They Agree?" Podium

Presentation at the Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, February 7-11, 2012.

Sucato DJ*, "Acute Unstable SCFE's Should be Reduced." Podium Presentation at the 2012 Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, February 7-11, 2012.

SucatoDJ*, "Outcome of Operative Treatment for Spinal Deformity in Patients with Syringomyelia Compared to AIS Patients." Poster Exhibit at the 2012 Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, February 7-11, 2012.

Course Speaker (Invited Lecturer/Moderator/Panel Participant)

Anterior Endoscopic Discectomy, Release and Instrumentation for Scoliosis Course, Medical Education & Research Institute, Memphis, TN, September 8, 2000.
Lecturer: "Thoracoscopic Anterior Spinal Instrumentation and Fusion for Adolescent Idiopathic Scoliosis: Pitfalls and Tips for Success"

Anterior Endoscopic Discectomy, Release and Instrumentation for Scoliosis Course, Medical Education & Research Institute, Memphis, TN, December 1, 2000.
Lecturer: "Thoracoscopic Anterior Spinal Instrumentation and Fusion for Adolescent Idiopathic Scoliosis: Pitfalls and Tips for Success"

Anterior Endoscopic Discectomy, Release and Instrumentation for Scoliosis Course, Medical Education & Research Institute, Memphis, TN, February 9, 2001.
Lecturer: "Thoracoscopic Anterior Spinal Instrumentation and Fusion for Adolescent Idiopathic Scoliosis: Pitfalls and Tips for Success"

Spinal Science Advancement Foundation 7th Annual International Course on Total Spine: Advanced Concepts and Constructs, Cancun, Mexico, March 15-18, 2001.
Lecturer: "Scoliosis Correction and Stabilization with Anterior Instrumentation – Endoscopic Techniques"

Instructional Course on Spine Deformity, Amelia Island, FL, May 11-12, 2001. Instructor: "Spinal Deformity: Surgical Challenges and Solutions" Spinal Science Advancement Foundation 4th Annual International Conference on Global Spine: Surgical Principles and the Latest Techniques, Maui, HI, June 14-17, 2001.
Lecturer: "Thoracoscopic Fusion and Instrumentation for the Correction of Spinal Deformity"

The 8th International Meeting on Advanced Spine Techniques Instructional Course, Paradise Island, Bahamas, July 12-14, 2001.
Panel Debate Participant: "Thoracoscopic versus Mini-Open Approach for Insertion of Instrumentation for Correction of Adolescent Idiopathic Scoliosis"
Roundtable Discussion Panel Participant: "Spine Deformity"
Lecturer: "Instrumentation of the Young Child"

Lecturer: "Anterior Instrumentation for Correction of Idiopathic Scoliosis: Endoscopic and Open Dual Rod"

Anterior Endoscopic Discectomy, Release and Instrumentation for Scoliosis Course, San Francisco, CA, September 7, 2001.
Lecturer: "Thoracoscopic Anterior Spinal Instrumentation and Fusion for Adolescent Idiopathic Scoliosis: Pitfalls and Tips for Success"

Spinal Science Advancement Foundation 8th Annual International Conference on Total Spine: Advances in Theory, Techniques, and Technology, Cancun, Mexico, March 14-17, 2002.
Lecturer: "Thoracoscopic Fusion and Instrumentation for the Correction of Spinal Deformity"

The 9th International Meeting on Advanced Spine Techniques Instructional Course, Montreaux, Switzerland, May 23-25, 2002.
Lecturer: "Pelvic Fixation for Pediatric Spinal Deformity"
Panel Debate Participant: "Thoracoscopic versus Mini-Open Approach for Insertion of Instrumentation for Correction of Adolescent Idiopathic Scoliosis"

Advanced Concepts in Anterior Scoliosis Corrections Course, St. Louis, MO, November 14-15, 2002.
Lecturer: "Positioning, Technique for Endoscopic Anterior Release and Fusion for Pediatric Spinal Deformity"
Lecturer: "Pitfalls and Tips for Success for Anterior Spinal Fusion and Instrumentation for Idiopathic Scoliosis"
Moderator of Live Surgery: Thoracoscopic Anterior Spinal Fusion and Instrumentation

Advanced Concepts in Anterior Scoliosis Treatment Course, Half Moon Bay, CA, February 21-22, 2003.
Lecturer: "Positioning, Technique for Endoscopic Anterior Release and Fusion for Pediatric Spinal Deformity"
Lecturer: "Pitfalls and Tips for Success for Anterior Spinal Fusion and Instrumentation for Idiopathic Scoliosis"
Moderator of Live Surgery: Thoracoscopic Anterior Spinal Fusion and Instrumentation

Advanced Concepts in Spinal Deformity Surgery (Anterior & Posterior) Course, Colorado Springs, CO, May 18-19, 2003.
Lecturer: "Accuracy of Screw Placement and Avoiding Complications" (Posterior Program)
Lecturer: "Positioning, Technique for Endoscopic Anterior Release and Fusion for Pediatric Spinal Deformity"
Lecturer: "Pitfalls and Tips for Success for Anterior Spinal Fusion and Instrumentation for Idiopathic Scoliosis"

The 10th International Meeting on Advanced Spine Techniques, Rome, Italy, July 10-12, 2003.
Panel Discussion Participant: "Thoracoscopic Anterior Instrumentation and Fusion for Idiopathic Scoliosis"

Barrow Neurological Institute Thoracoscopic Spinal Workshop, St. Joseph's Hospital and Medical Center, Phoenix, AZ, September 15-16, 2003.
Lecturer: "Thoracoscopic Anterior Release for Spinal Deformity"

Lecturer: "The Learning Curve and Educational Issues for Thoracoscopic Spinal Surgery"

Spinal Deformity Study Group Symposium 2003: Emerging Trends and Advanced Surgical Techniques, St. Louis, MO, November 13-15, 2003.
Lecturer: "Endoscopic Access/Discectomy/Fusion for Spinal Deformity"
Lecturer: "Pitfalls and Tips for Success for Anterior Spinal Fusion and Instrumentation for Idiopathic Scoliosis"
Lab Instructor: Endoscopic Approaches, Open Anterior Approaches, Posterior Thoracic Pedicle Screw Fixation and Pedicle Subtraction Osteotomy

Advanced Techniques in Spinal Deformity Surgery (Anterior & Posterior Approaches) Course, San Francisco, CA, February 27-28, 2004.
Lecturer: "Endoscopic Access/Discectomy/Fusion for Spine Deformity"
Lecturer: "Clinical Experience, Pitfalls and Tips for Success for Anterior Spinal Fusion and Instrumentation"

The 2004 American Academy of Orthopaedic Surgeons Annual Meeting, Federation of Spine Associations Specialty Day, San Francisco, CA, March 13, 2004.
Lecturer: "The Management of Pelvic Obliquity in the Setting of Neurogenic Scoliosis"

Spine Symposium, Beijing Children's Hospital, Beijing, China, May 14, 2004.
Lecturer: "Thoracoscopy and Its Role in Pediatric Spinal Deformity"

The First Chinese International Scoliosis Symposium, Beijing, China, May 15, 2004.
Lecturer: "Thoracoscopic Approaches to Spinal Deformity: Where We Are Today"

The 7th Meeting of the China Spine Association, Beijing, China, May 16, 2004.
Lecturer: "Thoracoscopic Approaches to Spinal Deformity: Pitfalls and Tips for Success"

Advanced Techniques in Spinal Deformity Surgery (Anterior & Posterior Approaches) Course, Memphis, TN, July 16-17, 2004.
Lecturer: "Endoscopic Access/Discectomy/Fusion for Spine Deformity"
Lecturer: "Clinical Experience, Pitfalls and Tips for Success for Anterior Spinal Fusion and Instrumentation"

Spinal Deformity Study Group Symposium 2004: Emerging Trends and Advanced Surgical Techniques, St. Louis, MO, November 4-6, 2004.
Lecturer: "Endoscopic Access/Discectomy/Fusion"
Lecturer: "Complications, Pitfalls and Tips for Success"
Moderator of Live Surgery: PSF/Double Thoracic AIS with CD Horizon Legacy 5.5
Moderator of Panel Discussion/Q&A: Open vs. Endoscopic, Single-Rod vs. Dual-Rod-When and Why?
Moderator of Live Surgery: Open Dual Rod for Thoracic AIS with CD Horizon Legacy 4.5
Moderator: Questions and Discussion

The 72nd Annual Meeting of the American Academy of Orthopaedic Surgeons Scientific Program, Washington, DC, February 23-27, 2005.
Lecturer: "Thoracoscopic Anterior Spinal Fusion and Instrumentation: Is It Here To Stay?"

Moderator of Panel Debate: "The Best Treatment of a 13-year-old Female with a Stiff 85-degree Scoliosis"
Lecturer: "The Surgical Dislocation Procedure for Pediatric Hip Conditions"

Advanced Techniques in Pediatric Deformity Surgery (Anterior & Posterior Approaches) Course, San Francisco, CA, March 4-5, 2005.
Lecturer: "Endoscopic Access, Discectomy and Fusion for Pediatric Spinal Deformity"
Panel Discussion Participant: "Screws vs. Hooks/Wires Analysis for Deformity Correction"
Panel Discussion Participant: "Deformity Correction Principles for Skeletally Immature Patients"

The Texas Neurofibromatosis Foundation 2005 Neurofibromatosis Symposium: The Link to Education, Irving, TX, May 7, 2005.
Lecturer: "Orthopaedic Manifestations of Neurofibromatosis"

Advanced Techniques in Pediatric Deformity Surgery (Anterior & Posterior Approaches) Course, Memphis, TN, May 20-21, 2005.
Lecturer: "Endoscopic Instrumentation and Fusion-Technique and Clinical Results"
Moderator: Discussion/Q&A
Panel Discussion Participant: "Screws vs. Hooks/Wires Analysis for Deformity Correction"
Lab Instructor: TPS and SPO's for Scheuermann's Kyphosis
Lab Instructor: Lumbar PSO

Medtronic National Sales Meeting, Hollywood, FL, July 15-16, 2005.
Lecturer: "Scoliosis and Kyphosis Operative Treatment: Strategies and Techniques of Correction - The Tale of the 12-year-old Patient"

Spinal Deformity Study Group Symposium 2005: Emerging Trends and Advanced Surgical Techniques, St. Louis, MO, November 10-12, 2005.
Lecturer: "Endoscopic Access/Discectomy/Fusion and Complications, Pitfalls, and Tips for Success"
Lecturer: "Endoscopic Instrumentation and Fusion – Clinical Results and Video Demo"
Moderator of Live Surgery: PSF/Double Thoracic AIS with CD Horizon Legacy Spinal System 5.5
Moderator of Panel Discussion/Q&A: "Open vs. Endoscopic, Single-Rod vs. Dual-Rod-When and Why?"
Moderator of Live Surgery: Left Thoracic Curve T2 to L2 Idiopathic Adolescent Scoliosis with CD Horizon Legacy Spinal System 5.5
Moderator: Questions and Discussion
Panel Discussion Participant: "Case Presentation and Panel Discussion on Construct Planning: Pediatric Cases"

The 2nd Annual POSNA/AAOS International Pediatric Orthopaedic Symposium, Orlando, FL, November 30-December 4, 2005.
Lecturer: "Positioning and Technical Considerations for Thoracoscopic Spine Surgery"
Moderator of Panel Discussion: Hip Disorders, Part 2.

The 1st Annual Advanced Deformity Peer to Peer Meeting, sponsored by DePuy Spine, New York City, NY, December 16-17, 2005.

Lecturer: "The Crankshaft Phenomenon"

Advanced Techniques in Deformity Surgery for Pediatric Spine Surgeons (Anterior and Posterior Approaches) Course, February 17-18, 2006, Phoenix, AZ.
Lecturer: "Thoracoscopy for Spinal Deformity: From Release to Instrumentation"
Moderator of Case Discussion/Panel Discussion/Electronic Voting: "Open vs. Endoscopic – When and Why?"
Lecturer: "Thoracolumbar/Lumbar Idiopathic Scoliosis: Anterior Single vs. Dual Rod or Posterior Pedicle Screw Treatment?"
Moderator of Panel Discussion: "Lumbosacral Construct Issues and Osteotomies"

The 73rd Annual Meeting of the American Academy of Orthopaedic Surgeons Instructional Course on Adolescent Idiopathic Scoliosis, Chicago, IL, March 24, 2006.
Lecturer: "Anterior Correction Strategies for AIS"

Advanced Techniques in Deformity Surgery for Pediatric Spine Surgeons (Anterior and Posterior Approaches) Course, April 28-29, 2006, Dallas, TX.
Moderator of Panel Discussion:
Lecturer: "Clinical Results of Pedicle Screws for Scoliosis"
Lecturer: "Thoracolumbar/Lumbar Idiopathic Scoliosis: Anterior Single vs. Dual Rod or Posterior Pedicle Screw Treatment?"
Panel Discussion Participant: "Revision Spinal Surgery Treatment: Case Discussions & Electronic Voting"
Moderator: Participant Case Review Session/Electronic Voting
Moderator of Panel Discussion: "Lumbosacral Construct Issues and Osteotomies"
Lecturer: "Thoracoscopy for Spinal Deformity: From Release/Fusion to Instrumentation"
Moderator of Case/Panel Discussion: "Open vs. Endoscopic - When and Why?"
Lab Instructor: Open Discectomy/Fusion/Structural Grafting and Dual Screw-Dual Rod Instrumentation in T-L Spine: Anterior Endoscopic Discectomy/Instrumentation

Pediatric Orthopaedic Society of North America 2006 Course on Complications in Pediatric Orthopaedics, San Diego, CA, May 3, 2006.
Lecturer: "Complications of Anterior Spine Surgery"

Pediatric Spine Symposium at the 2006 Annual Meeting of The Pediatric Orthopaedic Society of North America, San Diego, CA, May 4, 2006.
Presider of Meeting
Moderator: Thoracolumbar AIS, Anterior vs. Posterior Approach Debate

Training for Tomorrow's Deformity Surgeon (TTDS), sponsored by Medtronic Sofamor Danek, Chicago, IL, August 27-29, 2006.
Lecturer: "Construct Planning for the Pediatric Patient – How, When and Why"

Spinal Deformity Study Group Symposium 2006: Emerging Trends and Advanced Surgical Techniques in Spinal Deformity, St. Louis, MO, November 2-4, 2006.
Lecturer: "Anterior vs. Posterior for Thoracolumbar/Lumbar AIS"
Panel Discussion/Case Presentations Participant: Revision Issues in Pediatric Deformity Surgery
Panel Discussion/Case Presentations Participant: Challenging Pediatric Cases in the Sagittal Plane

The 3rd Annual POSNA/AAOS International Pediatric Orthopaedic Symposium, Orlando, FL, November 30-December 3, 2006.
Lecturer: "Update on Surgical Dislocation of the Hip: Indications and Techniques"
Lecturer: "Modulation of Spinal Growth for Scoliosis Management"
Panel Discussion/Case Presentations Participant: Slipped Capital Femoral Epiphysis
Panel Discussion/Case Presentations Participant: Infantile and Juvenile Scoliosis
Medtronic Discussion Group Participant: Hook Techniques with Clinical Outcomes in Pediatric Cases

The 2nd Annual Advanced Deformity Peer to Peer Meeting, sponsored by DePuy Spine, New York City, NY, December 15-16, 2006.
Lecturer: "Distal Fusion Level for a King IV Curve: Controversial Case"

POSNA Specialty Day at the 74th Annual Meeting of The American Academy of Orthopaedic Surgeons, San Diego, CA, February 17, 2007.
Moderator: "Femoroacetabular Impingement Symposium"

The 74th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 13-18, 2007.
Lab Instructor: "Pelvic Osteotomy Skills Lab" (course coordinator, Perry L. Schoenecker, M.D.)
Course Instructor: "Adolescent Idiopathic Scoliosis"
Moderator: "Congenital Scoliosis/Spinal Deformity in Young Children"

Advanced Techniques in Deformity Surgery for Pediatric Spine Surgeons, Dallas, TX, April 20-21, 2007.
Moderator: "Participant Case Review Session and Electronic Voting" and "Lumbosacral Construct Issues and Osteotomies Case Discussion"
Lab Instructor: "TPS and SPOs for Scheuermann's Kyphosis" and "Lumbar PSO" and "Anterior Endoscopic Discectomy/Instrumentation"
Lecturer: "Thoracolumbar/Lumbar Idiopathic Scoliosis – Anterior Single vs. Dual Rod or Posterior Pedicle Screw Treatment?" and "Thoracoscopy for Spinal Deformity: From Release/Fusion to Instrumentation"
Panel Discussion/Case Presentation Participant: "Implant Selection for Pediatric Deformity Case Correction" and "Operative Approach and Fusion Level Selection in AIS"

Breakout Session at the 2007 Annual Meeting of The Pediatric Orthopaedic Society of North America, Hollywood, CA, May 23-26, 2007.
Chairman: "Spinal Deformity, Current Techniques and Treatments"

Training for Tomorrow's Deformity Surgeon (TTDS), sponsored by Medtronic Sofamor Danek, Chicago, IL, June 24-26, 2007.
Lecturer: "Construct Planning for the Pediatric Patient – How, When and Why"

The 14th Annual International Meeting on Advanced Spine Techniques, Paradise Island, Bahamas, July 11-15, 2007.
Instructor: "Advances in Correction Mechanics for Spinal Deformity Surgery"
Panel Discussion Participant: "Pediatric Deformity"

The 42nd Annual Meeting and Course of the Scoliosis Research Society, Edinburgh, Scotland, September 5-8, 2007.
Co-Moderator: "Complications"
Co-Moderator: "Spondylolisthesis"
Moderator: "Challenges in the Treatment of Neuromuscular Scoliosis"

Evaluation and Treatment of Spinal Deformity: Problems from the Past, Current Techniques, and Future Directions, sponsored by Stryker Spine, Ledyard, CT, October 5-6, 2007.
Lecturer: "Salvage Procedures Post Fusion"
Lecturer: "Anterior Instrumentation and Fusion"

Spinal Deformity Study Group Symposium 2007: Emerging Trends and Advanced Surgical Techniques in Spinal Deformity, St. Louis, MO, November 8-11, 2007.
Lecturer: "Neuromuscular Scoliosis: When Should You Go Anterior and When/How Should You Fuse to the Pelvis"
Panel Discussion/Case Presentations Participant: "Revision Issues in Pediatric Deformity Surgery"
Co-Moderator of Live Surgery: "Pediatric Deformity – Thoracic and Lumbar Pedicle Screw Implantation"
Panel Discussion/Case Presentations Participant: "Scheuermann's Kyphosis Patient with Severe Myelopathy, AIS with Progressive Cervicothoracic Kyphosis following T5-L3 PSF, AIS with Prior ASF/Instrumentation Kyphoscoliosis, and Congenital Kyphosis with Pseudarthrosis and Severe Progressive Kyphosis"

Adolescent Hip Disorders Course at the 5th Annual POSNA/AAOS International Pediatric Orthopaedic Symposium, Orlando, FL, November 28-December 2, 2007.
Moderator: "Adolescent Hip Disorders - Case-based Discussions"
Workshop Leader: "Bernese Pelvic Osteotomy"
Industry Workshop Participant: "Scheuermann's Kyphosis and Sagittal Plane Deformities"

Spine Course at the 5th Annual POSNA/AAOS International Pediatric Orthopaedic Symposium, Orlando, FL, November 28-December 2, 2007.
Moderator: "Current Controversies in Adolescent Idiopathic Scoliosis"
Moderator: "Current Controversies in Adolescent Idiopathic Scoliosis - Case-based Discussions"
Leader: "Spinal Osteotomies and Resections for Severe Spinal Deformity"

The 3rd Annual Advanced Deformity Peer to Peer Meeting, sponsored by DePuy Spine, New York City, NY, December 14-15, 2007.
Panel Discussion/Case Presentations Participant: "Surgical Adolescent Idiopathic Scoliosis in Ages 7-10"
Lecturer: "Distal Fusion Level for a King IV Curve: Controversial Case"

POSNA Specialty Day at the 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, March 2008.
Lecturer: "Tricks of the Trade: Are There Things to Make Surgery Safer Either Before or During Surgery?"

Symposium on Spine Problems in Young Athletes at the 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, March 2008.

Lecturer: "Epidemiology/High Risk Sports/Return to Sport After Spine Surgery"

Instructional Course at the 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, March 2008.
Moderator: "Congenital Scoliosis and Spinal Deformity in Young Children"

Instructional Course at the 75th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, March 2008.
Instructor: "Adolescent Idiopathic Scoliosis"

Advanced Techniques in Deformity Surgery for Spine Surgeons, Albuquerque, NM, May 2008.
Program Co-Chairman
Moderator: "Case Presentation and Panel Discussion: Osteotomy Surgery for Pediatric Spinal Deformity"
Panel Discussion Participant: "Future of Deformity Surgery"

American Academy of Orthopaedic Surgeons and the Scoliosis Research Society Training Course on Current Trends and Treatment Methods in Pediatric and Adult Spinal Deformity, Dallas, TX, May 2008.
Lecturer: "Adolescent Idiopathic Scoliosis"
Lecturer: "Neuromuscular Scoliosis"
Lab Instructor: "Growing Rods and Pedicle Screws"
Lab Instructor: "Osteotomies and Resections"

American Orthopaedic Association Annual Meeting, Quebec City, Quebec, CANADA, June 4-7, 2008.
Lecturer: Pediatrics Session: "Surgical Dislocation with Open Reduction and Internal Fixation for Unstable Slipped Capital Femoral Epiphysis: Early Promising Results"
Lecturer: Spine Session: "Use of the Lenke Classification for Double Thoracic Curves"

The 15th Annual International Meeting on Advanced Spine Techniques, Hong Kong, China, July 8-11, 2008.
Moderator: Roundtable Case Discussion – "Fundamentals Session – Cervical: "Pediatric Deformity"
Panel Discussion Participant: "Fundamentals Session – Deformity: "Pediatric Deformity Cases"

Instructional Course at the 15th Annual International Meeting on Advanced Spine Techniques, Hong Kong, China, July 8-11, 2008.
Instructor: "Pediatric Deformity: Derotation and Emerging Techniques"

Instructional Course at the 43rd Annual Meeting of the Scoliosis Research Society, Salt Lake City, UT, September 10-13, 2008.
Instructor: "Experimental Background of Growth Modulation on the Treatment of Growing Spine Deformities"
Lecturer: "Long-Term Effect of Early Instrumentation and Fusion – Pedicle Screw and Spinal Growth: Risky"

Spinal Deformity Study Group Symposium 2008: Emerging Trends and Advanced Surgical Techniques in Spinal Deformity, St. Louis, MO, November 6-8, 2008.

Lecturer: "Segmental Vertebral Body Derotation/Vertebral Column Manipulation in AIS: Is There Still a Need for Thoracoplasty or Anterior Release?"
Lecturer: "Intraoperative Techniques/Tips for Optimizing Safe Kyphosis Correction While Avoiding Complications"
Co-Moderator of Live Surgery: "Adolescent Deformity – Thoracic and Lumbar Pedicle Screw Implantation"
Co-Moderator of Live Surgery: "Fixed Thoracic Hyperkyphosis"
Panel Discussion Participant: "Adolescent Complex Revisions"
Panel Discussion Participant: "Adolescent and Adult Deformity Cases"

Instructional Courses at the 6th Annual POSNA/AAOS International Pediatric Orthopaedic Symposium, Orlando, FL, December 3-7, 2008.
Moderator: "Exotic Spine: Congenital and Early Onset – Case Studies"
Instructor: "SCFE: Techniques and Controversies for Fixation and Deformity Management"
Instructor: "Pedicle Screw Techniques"
Panel Discussion Participant: "Insider's Guide to Pediatric Orthopaedics: Dispelling Urban Legends"
Instructor: "Techniques for Maximizing Spinal Deformity Correction"
Instructor: "Surgical Dislocation of the Hip"
Instructor: "Orthopaedic Management for the 'Elite Young Athlete'
Lecturer: "Spondylolysis in Elite Young Athletes"

Instructional Course at the 76th Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, NV, February-March 2009.
Instructor: "Spine Problems in Young Athletes"
Moderator: "Congenital Scoliosis and Spinal Deformity in Young Children"

Instructional Course at the 2009 POSNA Annual Meeting of The Pediatric Orthopaedic Society of North America, Boston, MA, April 29-May 2, 2009.
Instructor: POSNA One-Day Course
Moderator: "AIS Surgical Decisionmaking – 55 Degree Curves, How Do You Treat Them?"

Instructional Course at the 16th Annual International Meeting on Advanced Spine Techniques, Vienna, Austria, July 18, 2009.
Instructor: "Adolescent Idiopathic Scoliosis III"

Scientific Program at the 16th Annual International Meeting on Advanced Spine Techniques, Vienna, Austria, July 17, 2009.
Moderator of Roundtable Case Discussions: "Pediatric Deformity"
Co-Moderator: "Early Onset Neuromuscular Scoliosis"

"Complications in Spinal Deformity Surgery" Pre-Course at the 44th Annual Meeting and Course of the Scoliosis Research Society, San Antonio, TX, September 12, 2009.
Lecturer: "Management of Very Large Curves (includes scoliosis but also kyphosis)"

Instructional Courses at the 7th Annual POSNA/AAOS International Pediatric Orthopaedic Symposium, Orlando, FL, December 2-6, 2009.
Faculty Leader (Moderator) & IPOS Liaison for Lab Demos: "Kyphosis Techniques (Medtronic)"

Faculty Leader (Moderator): "SCFE and Controversies"
Instructor & IPOS Liaison for Lab Demos: "Early Onset/Exotic Scoliosis"
Instructor & IPOS Liaison for Lab Demos: "Pelvic Osteotomies (Shriners Hospitals)"
Instructor: "Modern Concepts for Spondylolysis & Spondylolisthesis"
Instructor: "Coupled Derotation for Spine Deformity Correction (Medtronic)"
Instructor: "Adolescent Hip Dysplasia"
Case Discussion Panel Participant: "Adolescent Hip Problems"
Lecturer: "Spine: Hot Topics, New Techniques & Controversies" Session - "Arresting Concave Neurocentral Growth with Screws"

Advanced Deformity for Spine Surgeons Technique Training, Dallas, TX, February 2010.
Program Co-Chairman
Lecturer: "How to Run an Effective Patient-based Clinical Practice"
Lecturer: "Anterior Approach for Pediatric Deformity – When to go Anterior, Approach Details, Correction Techniques, Outcomes/Literature Review"
Moderator: "Idiopathic Scoliosis Case Discussions: Primary Adolescent Cases"
Moderator: "Operative Approach and Fusion Level Selection in AIS Case Discussions"
Co-Moderator: "Osteotomy Surgery for Pediatric and Adult Spinal Deformity Case Discussions"
Co-Moderator: "Case Review Session and Electronic Voting with Faculty"

Instructional Courses at the 77th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, March 2010.
Instructor: "Hot Topics and the Management of SCFE: Cases and Controversy"
Instructor: "Spine Problems in Young Athletes"
Instructor: "Acetabular and Pelvic Osteotomies in Children and Adolescents" (Leader, Case Discussion and Skills Lab)
Instructor: "Advanced Surgical Techniques in the Adolescent Hip"
Instructor: "Medtronic's Fireside Chat"

2010 Texas Orthopaedic Association/Texas Orthopaedic Foundation Annual Meeting, Grapevine, TX, April 2010.
Lecturer: "Acetabular Dysplasia and the Ganz Periacetabular Osteotomy"

Scientific Program at the 17th International Meeting on Advanced Spine Techniques, Toronto, Canada, July 21-24, 2010.
ICL Leader, Moderator, and Speaker: "Adolescent Idiopathic Scoliosis III"

Podium Presentations at the 45th Annual Meeting of the Scoliosis Research Society, Kyoto, Japan, September 2010.
Co-Moderator: "Diagnostic Methods/Early Onset Scoliosis"

Scientific Program at the XXX Congreso SAOTI (30th Annual Meeting of the Orthopaedic Society of Argentena), Buenos Aires, Argentina, September 30 – October 2, 2010.
Lecturer: "Treatment of Slipped Capital Femoral Epiphysis in 2010"
Lecturer: "Adolescent Hip Dysplasia – When and How to Treat"
Lecturer: "Hip Preservation in the Adolescent Hip"
Lecturer: "Anterior Surgery for Pediatric Spinal Deformity"
Lecturer: "Management of Severe Spinal Deformity"
Lecturer: "The Role of the Neurocentral Synchondrosis in Early Onset Scoliosis"

Instructional Courses at the 8th Annual POSNA/AAOS International Pediatric Orthopaedic Symposium, Orlando, FL, December 1-4, 2010.

Instructor: "Femoral Acetabular Impingement"
Instructor: "Spondylolysis and Spondylolisthesis"
Case Discussion Panel Participant: "Complex Adolescent Hip" Session - "Late Dysplasia, Proximal Femoral Deformity"
Lecturer: "Spine: State of the Art Management" Session – "Severe Deformities: The Role for Anterior Release in the Posterior Era"
Case Discussion Panel Participant: "Spine: State of the Art Management" Session – "Surgical Decision-making Scoliosis, Kyphosis, EOS"
Instructor & IPOS Liaison for Lab Demos: "Reduction and Fixation for Spondylolisthesis" (Medtronic Spine)
Instructor & IPOS Liaison for Lab Demos: "Osteotomies and Instrumentation Techniques to Maximize Correction" (Medtronic)

Instructional Course at the 78th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 2011.

Instructor: "Spine Problems in Young Athletes"

POSNA Specialty Day Program at the 78th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 2011.

Moderator: "Management of Complex Pediatric Hip Disease"
Lecturer: "Management of Complex Pediatric Hip Disease" Session – "Surgical Hip Dislocation"

"Pediatric Spinal Deformity: On the Cutting Edge III" Instructional Course, sponsored by BroadWater, LLC, Coral Gables, FL, April 1-2, 2011.

Instructor/Lecturer: "Congenital Deformity" Session – "Instrumented Fusion or VCR: Decision Making and Technique"
Moderator: "Spondylolisthesis" Session
Panel Discussion Participant: "AIS"
Panel Discussion Participant: "EOS Deformity"

Scientific Program at the 18th International Meeting on Advanced Spine Techniques, Copenhagen, Denmark, July 13-16, 2011.

ICL Leader, Moderator, and Speaker: "Adolescent Idiopathic Scoliosis III"

Pre-Course at the 46th Annual Meeting and Course of the Scoliosis Research Society, Louisville, KY, September 14, 2011.

Instructor: Pediatric Section, "Adolescent Idiopathic Scoliosis"

Scientific Program at the 46th Annual Meeting and Course of the Scoliosis Research Society, Louisville, KY, September 14-17, 2011.

Co-Moderator: "AIS"

Current Concepts in Sports Medicine 2012, sponsored by UT Southwestern Department of Orthopaedic Surgery, Dallas, TX, January 27-28, 2012.

Lecturer: Hip and Pelvis Disorder in Sports Session, "FAI Open Surgery Indications and Outcomes"

APOS POSNA Combined Annual Meeting of the Australian and New Zealand Pediatric Orthopaedic Societies' Annual Meeting, Tauranga, New Zealand, October 7-8, 2011.

Principal Guest Speaker
Lecturer: "The Challenges of the Adolescent Orthopaedic Patient"
Lecturer and Panel Discussion Participant: "Management of SUFE in 2011 – What is New and Does it Work"
Lecturer and Panel Discussion Participant: "The Treatment of Femoro-acetabular Impingement in the Dysplastic Hip"
Lecturer and Panel Discussion Participant: "Open Surgical Management of Adolescent Groin Pain and FAI"
Lecturer: "Treatment of Severe Spinal Deformity"

Instructional Courses at the 9th Annual POSNA/AAOS International Pediatric Orthopaedic Symposium, Orlando, FL, December 7-10, 2011.

Lecturer: "Complex and Innovative Hip" Session – "Master's Technique: Surgical Dislocation of the Hip for SCFE"
Case Discussion Panel Participant: "Complex and Innovative Hip" Session – "Mature Perthes with Hip Pain"
Session Instructor: "Evaluating the Painful Hip"
Session Instructor: "OrthoPediatrics VDRO Hip Osteotomy"
Session Instructor: "Pelvic Osteotomies – Hands On: Basic (Salter, Dega, Pemberton)"
Session Instructor: "Pelvic Osteotomies – Hands On: Advanced (Ganz, Triple, Others)"

POSNA Specialty Day Program at the 79th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, February 11, 2012.

Lecturer: " SCFE Controversies" Session – "Acute Unstable SCFE's Should Be Reduced."

2013 Prostrate Symposium, Irving, Texas, April 20, 2013.

Lecturer: "Bone Health and Prostrate Cancer."

Visiting Professorships

"Endoscopic Techniques in the Treatment of Spinal Deformity" and "Adolescent Hip Dysplasia." Visiting Professor, State University of New York at Buffalo Residency Graduation, Buffalo, NY, June 2-3, 2000. Host: Robert Gillespie, MB ChB.

"Adolescent Hip Dysplasia: Etiology, Diagnosis, and Surgical Treatment." Visiting Professor, Medical University of South Carolina, Charleston, SC, October 2001. Host: Richard Gross, MD.

"Thoracoscopic Approaches to Spinal Deformity." Visiting Professor, The 12th Annual Frederick J. Fischer Pediatric Orthopaedic Lectureship, University of Michigan, Ann Arbor, MI, April 2003. Hosts: Robert Hensinger, MD and Frances Farley, MD.

"Treatment of Severe Pediatric Spinal Deformity" and "The Role of Anterior Surgery in Spine Deformity Surgery". Visiting Professor, Brown University Orthopaedic Lectureship, Rhode Island Hospital, Providence, RI, August 2003. Hosts: Michael Ehrlich, MD and Craig Eberson, MD.

"Thoracoscopy in Spinal Deformity: Where Are We Today?", "Adolescent Hip Dysplasia", and "The Challenge of Treatment of the Unstable SCFE." Visiting Professor, 13th Annual G. Wilbur Westin Lectureship, Shriners Hospital for Children in Los Angeles, Los Angeles, CA, February 2004. Hosts: Colin Moseley, MD, Norman Y. Otsuku, MD, and Anthony A. Scaduto, MD.

"Thoracoscopy in Spinal Deformity: Where We Are Today." Visiting Professor, Abrams Memorial Lectureship, Maryland Orthopaedic Association and Kernan Hospital, University of Maryland Medical System, Baltimore, MD, October 2004. Host: Todd Milbrandt, MD.

"Thoracoscopy in Spinal Deformity: Where We Are Today" and "Surgical Hip Dislocation: A Versatile and Effective Approach for Unstable SCFE's and Other Hip Conditions." Visiting Professor, Springfield Shriners Hospital, Springfield, MA, October 2004. Host: Peter Masso, MD.

"Surgical Hip Dislocation in Pediatric Hip Disorders." Visiting Professor, Children's National Medical Center, Washington, DC, February 2006. Hosts: Mark Weissman, MD, Lane Wimberly, MD, and Shannon McClure, MD.

"The Role of Open Reduction in the Treatment of Unstable Slipped Capital Femoral Epiphysis," "Surgical Hip Dislocation in Pediatric Hip Conditions," and "The Ganz Periacetabular Osteotomy in the Treatment of Hip Dysplasia in Adolescents." Visiting Professor, Hip Day 2006, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, April 2006. Host: Alvin H. Crawford, MD.

"Surgical Dislocation Procedure for Treatment of Pediatric Hip Conditions" and "The Role of 'Advanced' Techniques in Spine Deformity: Where Do They Belong?" Visiting Professor, 18th Annual Pediatric Orthopaedic Seminar Hoke-Kite Lectureship on Current Issues in Pediatric Orthopaedics, Children's Healthcare of Atlanta, Atlanta, GA, April 2006. Host: Tim Schrader, MD.

"Surgical Hip Dislocation: Technique and Indications" and "Advanced Techniques for Spine Deformity – Where We Are Today." Visiting Professor, 37th Annual University of New Mexico Carrie Tingley Hospital Winter Pediatric Musculoskeletal Seminar, Albuquerque, NM, February 2007. Host: Patrick Bosch, MD.

"Unstable SCFE", "Scoliosis", and "Surgical Hip Dislocations." Visiting Professor, Naval Medical Center San Diego Resident Research Days, San Diego, CA, Mar 2007. Host: Jeff Cassidy, MD.

"Hip Preserving Surgery in the Adolescent and Young Adult" and "The Role of 'Advanced' Techniques in Spine Deformity Today." Visiting Professor, 2008 Annual Children's Orthopaedic Day, The Children's Hospital, Aurora, CO, April 2008. Host: Mark Erickson, MD, Gaia Georgopoulos, MD, and Ernest Sink, MD.

"The Role of Anterior Surgery in 2009" and "The Role of Osteotomies in Paediatric Spine Deformity." Visiting Professor, Perspectives on Paediatric Spinal Deformity Symposium, Halifax, Nova Scotia, Canada, October 22-24, 2009. Hosts: Ron El-Hawary, MD, Jason Howard, MD.

"Management of Severe Spinal Deformity." Visiting Professor, 2010 Millar Day Symposium, Shriners Hospital for Children, Chicago, IL, May 2010. Host: Peter Sturm, MD.

"Slipped Capital Femoral Epiphysis (SCFE) Sequelae; Indications/Techniques for Reduction of SCFE; Indications for a 'cuneiform' osteotomy." Visiting Professor, JPJS Health Network, Fort Worth, Texas, May, 2011. Host: Russell Wagner, MD.

"Surgical Hip Dislocation: Technique, Indications and Results." Visiting Professor, Grand Rounds, Steadman Philippon Institute / Valley Medical Center, Vail, CO, June 2011. Hosts: Marc Philippon, MD, John Steadman, MD, Henry Ellis, MD.

"DDH Sequelae: Too Little Cover vs. Impingement." Visiting Professor, Charles Norwood Lecture, at the NZOA AOA Combined Meeting of the New Zealand and Australian Orthopaedic Associations, Rotorua, New Zealand, October 9-14, 2011.

"DDH Sequelae: Too Little Cover vs. Impingement." Visiting Professor, Charles Norwood Lecture, at the NZOA AOA Combined Meeting of the New Zealand and Australian Orthopaedic Associations, Rotorua, New Zealand, October 9-14, 2011.

"Evaluation and Treatment of Severe Spinal Deformity" and "Hip Preservation in the Adolescent and Young Adult." Visiting Professor, Grand Rounds at the University of Virginia, Charlottesville, VA, Ma 8-9, 2012.

"Hip Preservation in the Adolescent and Young Adult." Visiting Professor, Robert B. Salter Visiting Professorship Programme, Hospital for Sick Children, Toronto, Canada, September 2012. Host: Benjamin Alman, MD, A.J. Latner Professor and Chair of Orthopaedics.

"Approach to Severe Curves: Traction/Ant/Post Releases," Webinar. Visiting Professor, Emory Orthopaedic & Spine Center. Host: Nicholas D. Fletcher, MD, Emory Orthopaedic and Spine Center, Atlanta, GA, December, 2012

"Management of Severe Spine Deformity," "Hip Preservation in the Adolescent Patient," and "Treatment of Slipped Capital Femoral Epiphysis (SCFE) in 2013." Visiting Professor, R. Kirklin Ashley Lectureship, Shriner Hospitals for Children – Northern California. Host: Michelle James, Chief of Orthopaedic Surgery. January, 2013.

"Evaluation and Surgical Management of Severe Spinal Deformity." First Dr. William F Donaldson Visiting Professor, Montefiore Hospital, Pittsburgh, PA. Host: Patrick Bosch, MD. April, 2013.

"Hip Preservation in the Adolescent and Young Adult," "Severe Spinal Deformity: Management with Safety in Mind," "Slipped Capital Femoral Epiphysis Management in 2013." Visiting Professor, Jesse T. Nicholson Visiting Professor, Children's Hospital of Philadelphia, Philadelphia, PA. Host: John P. Dormans, MD. June, 2013.

Scientific Exhibits

Sucato D, Ziv I, Rho J, Medige J, Schlatterer D, Gillespie R. *In Vivo* Femoral Head Stiffening by Intraosseous Fluid during Compressive Loading. Poster Presentation at the Combined

Meeting of the Orthopaedic Research Societies of U.S.A., Japan, Canada and Europe, San Diego, CA, November 1995.

Sucato DJ, Golden A. Safety of Pedicle Screw Placement for Spinal Deformity at a Pediatric Orthopaedic Center. Poster Presentation at the 68th Annual Meeting of the American Academy of Orthopaedic Surgery, San Francisco, CA, February 2001.

Richards BS, **Sucato DJ**, Konigsberg DE and Ouellet JA. Comparing Reliability of the Lenke and King Classification Systems for Idiopathic Scoliosis (in radiographs that were not premeasured). Poster Presentation at the 36th Annual Meeting of the Scoliosis Research Society, Cleveland, OH, September 2001.

Sucato DJ, Kassab F, Dempsey M. Thoracoscopic Anterior Spinal Instrumentation and Fusion for Idiopathic Scoliosis: A CT Analysis of Screw Placement and Completeness of Discectomy. Poster Presentation at the 69th Annual Meeting of the American Academy of Orthopaedic Surgeons, Dallas, TX, February 2002.

Sucato DJ, Duey-Holtz A, Elerson E, Safavi F. Postoperative Analgesia Following Surgical Correction for Adolescent Idiopathic Scoliosis: A Comparison of Epidural Analgesia and Patient-controlled Analgesia. Poster Presentation at the 9th International Meeting on Advanced Spine Techniques, Montreux, Switzerland, May 2002.

Sucato DJ, Duchene C**.** MRI Analysis of the Position of the Aorta Relative to the Spine: A Comparison between Normal Patients and Those with Idiopathic Right Thoracic Curves. Poster Presentation at the 9th International Meeting on Advanced Spine Techniques, Montreux, Switzerland, May 2002.

Sanders JO, Polly DW, Cats-Baril W, Jones J, Lenke LG, O'Brien MF, Richards BS, **Sucato DJ**. An Analysis of Patient and Parent Assessment of Deformity in Idiopathic Scoliosis using the Walter Reed Visual Assessment Scale. Poster Presentation at the 9th International Meeting on Advanced Spine Techniques, Montreux, Switzerland, May 2002.

Podeszwa DA, **Sucato DJ**, Elerson E. Pedicle Screw Fixation in Idiopathic Scoliosis: Does it Save Lumbar Motion Segments When Compared to Hooks? Poster Presentation at the 9th International Meeting on Advanced Spine Techniques, Montreux, Switzerland, May 2002.

D'Andrea LP, Betz RR, Newton PO, Clements DH, Lenke LG, Haher TR, Merola AA, **Sucato DJ.** Reliability and Validity of a Spine Deformity Radiographic Scoring System. Poster Presentation at the 37th Annual Meeting of the Scoliosis Research Society, Seattle, WA, September 2002.

Sucato DJ, Elerson E. A Comparison between the Prone and Lateral Position for Performing a Thoracoscopic Anterior Release and Fusion for Pediatric Spinal Deformity. Poster Presentation at The 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA, February 2003.

Sucato DJ. Accurate Preoperative Predication of Rod Length for Thoracoscopically-Assisted Anterior Instrumentation and Fusion for Idiopathic Scoliosis. E-Poster Presentation at the 38th Annual Meeting of the Scoliosis Research Society, Québec City, Canada, September 2003.

Sucato DJ. Anterior Vertebral Body Screws in Proximity to the Aorta Following Instrumentation for Thoracic Idiopathic Scoliosis: A Follow-up Study. E-Poster Presentation at the 38th Annual Meeting of the Scoliosis Research Society, Québec City, Canada, September 2003.

Sucato DJ. Spinal Deformity in Patients with Congenital Diaphragmatic Hernias. E-Poster Presentation at the 38th Annual Meeting of the Scoliosis Research Society, Québec City, Canada, September 2003.

Zhang H, **Sucato DJ**, Welch RD. RhBMP2 Enhances Anterior Spine Fusion Without Bone Encroachment into the Spinal Canal. Poster Presentation at the 38th Annual Meeting of the Scoliosis Research Society, Québec City, Canada, September 2003.

Zhang H, **Sucato DJ**, Welch RD. rhBMP-2 Induced Bone Proliferation Does Not Compromise the Spinal Canal in a Thoracoscopic Anterior Fusion Model. Poster Presentation at the 50th Annual Meeting of the Orthopaedic Research Society, San Francisco, CA, March 2004.

Sucato DJ, O'Brien M, Lowe T. Restoration of Thoracic Sagittal Kyphosis Following Operative Treatment for Adolescent Idiopathic Scoliosis: A Comparison of Three Surgical Approaches. Poster Presentation at the 11th International Meeting on Advanced Spine Techniques, Southampton, Bermuda, July 2004.

Aubin CE, Labelle H, Lenke L, Lowe T, **Sucato D**, Emans J, Kuklo T. Variability of Spinal Instrumentation Configuration in Adolescent Idiopathic Scoliosis (AIS). Poster Presentation at the 39th Annual Meeting of the Scoliosis Research Society, Buenos Aires, Argentina, September 2004.

Sucato DJ, Rathjen KE, Harris K. The Effect of Surgical Approach on Early Postoperative Pulmonary Function in the Treatment of Adolescent Idiopathic Scoliosis. Poster Presentation at the 39th Annual Meeting of the Scoliosis Research Society, Buenos Aires, Argentina, September 2004.

Sucato DJ, Newton, PO, Betz RR, Picetti GG, Lenke LG, Hresko MT, Hu SS, Braun JT, Roye DP, Vitale MG. Defining the Learning Curve for Performing a Thoracoscopic Anterior Spinal Fusion and Instrumentation for AIS: A Multi-Center Study. Poster Presentation at the 39th Annual Meeting of the Scoliosis Research Society, Buenos Aires, Argentina, September 2004.

Zhang H, **Sucato DJ**. Regional Differences in Anatomical Landmarks for Placing Anterior Instrumentation in the Thoracic Spine. Poster Presentation at the 39th Annual Meeting of the Scoliosis Research Society, Buenos Aires, Argentina, September 2004.

Sucato DJ, Newton PO, Betz, RR, Lenke LG, Crawford A, Clements D, D'Andrea L. The Benefit of Pleural Closure Following a Thoracoscopic Anterior Spinal Fusion and Instrumentation for AIS. Poster Presentation at the 39th Annual Meeting of the Scoliosis Research Society, Buenos Aires, Argentina, September 2004.

Sucato DJ, Pierce W, Picetti G, Young S, Morgan DM. Pullout Strength of a Newly-Designed Unicortical Screw for Anterior Instrumentation and Fusion for Thoracic Idiopathic

Scoliosis. Poster Presentation at the 39th Annual Meeting of the Scoliosis Research Society, Buenos Aires, Argentina, September 2004.

Lin H, **Sucato DJ**. Identification of Lenke Spine Deformity Classification by Simplified 3D Spine Model. Poster Presentation at the 26th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, San Francisco, CA, September 2004.

Zhang H, **Sucato DJ**, and Welch RD. Correlation of Fusion Mass with Vertebral Screw Fixation in a Thoracoscopic Anterior Fusion and Instrumentation Model. Poster Presentation at the 51st Annual Meeting of the Orthopaedic Research Society, Washington, DC, February 2005.

Sucato DJ, Hasley B, McClung A. Closed Suction Drainage Following Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis: Is it Necessary? E-Poster Presentation at the 12th International Meeting on Advanced Spine Techniques, Banff, Alberta, Canada, July 2005.

Sucato DJ, Newton PO, Betz R, Picetti G, Lenke L, Hresko T, Hu S, Braun JT, Roye DP, Vitale MG. Defining the Learning Curve for Performing a Thoracoscopic Anterior Spinal Fusion and Instrumentation for AIS: A Multi-Center Study. E-Poster Presentation at the 12th International Meeting on Advanced Spine Techniques, Banff, Alberta, Canada, July 2005.

Sucato DJ, Popejoy D, McClung A. Operative Treatment of Scoliosis in Patients Who Have Syringomyelia. E-Poster Presentation at the 12th International Meeting on Advanced Spine Techniques, Banff, Alberta, Canada, July 2005.

Vanderhaave K, **Sucato DJ**. Treatment of Scoliosis in Rett Syndrome. E-Poster Presentation at the 12th International Meeting on Advanced Spine Techniques, Banff, Alberta, Canada, July 2005.

Zhang H, **Sucato, DJ**. Defining the Error in Fluoroscopic Confirmation for Anterior Vertebral Body Screw Placement. E-Poster Presentation at the 12th International Meeting on Advanced Spine Techniques, Banff, Alberta, Canada, July 2005.

Sucato DJ, Newton PO, Betz R, Lenke L, Crawford A, Clements D, Lowe T, D'Andrea L, Letko L, Marks M. Anterior Release Prior to a Posterior Spinal Fusion and Instrumentation: Is the Thoracoscopic Approach As Effective as an Open Thoracotomy? E-Poster Presentation at the 12th International Meeting on Advanced Spine Techniques, Banff, Alberta, Canada, July 2005.

Sucato DJ, Sparagana S, El-Hawary R, McClung A, Van Allen E, Rampy P. Spinal Cord Monitoring in Patients with Spinal Deformity and Neural Axis Abnormalities: A Comparison to AIS Patients. E-Poster and Standard Poster Presentation at the 12th International Meeting on Advanced Spine Techniques, Banff, Alberta, Canada, July 2005.

Kishan S, Newton P, Betz R, Lenke L, Lowe T, Clements D, D'Andrea L, **Sucato D**. Thoracoscopic Anterior Instrumentation Affects Pulmonary Function Less than Open Thoracotomy at Two Years Post-op. E-Poster and Standard Poster Presentation at the 12th

International Meeting on Advanced Spine Techniques, Banff, Alberta, Canada, July 2005.

Crawford A, Babekir N, Lowe TG, Betz R, Lenke L, Haher T, Merola A, Newton P, Clements D, **Sucato DJ**, Letko L. Correction of Left Thoracic Curves: A Comparison of Anterior versus Posterior Instrumentation. E-Poster Presentation at the 12th International Meeting on Advanced Spine Techniques, Banff, Alberta, Canada, July 2005.

Merola A, Newton PO, OBrien MF, Haher TR, Lowe TG, Lenke LG, Clements D, Betz R, Crawford A, Sponseller PD, **Sucato DJ**, Lonner B, Caruso SA, Kubeck JP, Shanti N, Marks M. Lumbar Sagittal Plane Alignment with Respect to Instrumentation Type and Surgical Technique. E-Poster Presentation at the 12th International Meeting on Advanced Spine Techniques, Banff, Alberta, Canada, July 2005.

Merola A, Newton P, Haher T, Betz R, Clements D, Lenke L, Lonner B, Lowe T, Crawford A, O'Brien M, Sponseller P, **Sucato D.** Lumbar Sagittal Plane Alignment with Respect to Instrumentation Type and Surgical Technique. E-Poster presentation at the 40th Annual Scoliosis Research Society Meeting, Miami, FL, October 2005.

Crawford A, Babekir N, Lowe T, Betz R, Lenke L, Haher T, Merola A, Newton P, Clements D, **Sucato D**, Letko L. Comparison between Left and Right Thoracic Curves in Idiopathic Scoliosis. E-Poster presentation at the 40th Annual Scoliosis Research Society Meeting, Miami, FL, October 2005.

Crawford A, Babekir N, Lowe T, Betz R, Lenke L, Haher T, Merola A, Newton P, Clements D, **Sucato D**, Letko L. Correction of Left Thoracic Curves: A Comparison of Anterior versus Posterior Instrumentation. E-Poster presentation at the 40th Annual Scoliosis Research Society Meeting, Miami, FL, October 2005.

Sucato DJ, Zhang H, McClung A. Lenke 1a Curve Patterns: A Comparison of Anterior and Posterior Instrumentation and Fusion. Poster presentation at the 73rdAnnual Meeting of the American Academy of Orthopaedic Surgeons, Chicago, IL, March 2006.

Sucato D. Closed Suction Drainage Following Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis: Is it Necessary? E-Poster presentation at the 2006 Annual Meeting of The Pediatric Orthopaedic Society of North America, San Diego, CA, May 2006.

Sucato D. Rib-Strut Graft for Pediatric Spinal Deformity: A Comparison between Vascularized and Non-vascularized Rib Grafts. E-Poster presentation at the 2006 Annual Meeting of The Pediatric Orthopaedic Society of North America, San Diego, CA, May 2006.

Wicker A, Armstrong R, Turner C, **Sucato D**, McCarthy R, Zhang H. Wear Analysis of a New Partially Constrained Growing Rod Construct. Poster presentation at the 13th International Meeting on Advanced Spine Techniques, Athens, Greece, July 2006.

Sucato D, Gilbert T. Rib-Strut Graft for Pediatric Spinal Deformity: A Comparison between Vascularized and Non-Vascularized Rib Graft. Poster presentation at the 13th International Meeting on Advanced Spine Techniques, Athens, Greece, July 2006.

Sucato D, Kuklo T, Lubicky J, Richards B, Lenke L, Johnston C, Emans J. Factors Predicting Surgeon Fusion of the Proximal Thoracic Curve in Lenke 2 Curve Patterns. Poster

presentation at the 13th International Meeting on Advanced Spine Techniques, Athens, Greece, July 2006.

Sucato D, Richards B, Ho C. Risk Factors for the Development of Delayed Infection Following Posterior Spinal Fusion and Instrumentation for AIS. Poster presentation at the 13th International Meeting on Advanced Spine Techniques, Athens, Greece, July 2006.

Tulchin K, Karol L, **Sucato D**. Determining the Location of the Hip Joint Center in Patients Treated for Hip Dysplasia. Poster presentation at the 1st Joint European Society of Movement Analysis for Adults and Children (ESMAC) / Gait Clinical Movement Analysis Society (GCMAS) Meeting, Amsterdam, Netherlands, September 2006.

Sucato DJ, Ho C, Richards BS. Risk Factors for the Development of Delayed Infection Following PSFI for AIS. Poster presentation at the 74th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 2007.

White K, **Sucato DJ**, Agrawal S. Ultrasonographic Predictors of Pavlik Harness Failure in Ortolani Positive Hips. Poster presentation at the 74th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 2007.

Podeszwa DA, Hasley BP, **Sucato, DJ**. Reliability of Measuring Anterior and Lateral Coverage of the Acetabulum in the Skeletally Immature. Poster presentation at the 74th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 2007.

Milbrandt T, **Sucato DJ**. A Comparison of Three Methods of Pain Control for Posterior Spinal Fusions in Adolescent Idiopathic Scoliosis. Poster presentation at the 42nd Annual Meeting of the Scoliosis Research Society, Edinburgh, Scotland, September 2007.

Sucato DJ. Use of the Lenke Classification for Double Thoracic Curves: Does It Increase the Incidence of Fusion of the Proximal Thoracic Curve and Change Radiographic Outcomes? E-Poster Presentation at the 42nd Annual Meeting of the Scoliosis Research Society, Edinburgh, Scotland, September 2007.

Sucato DJ. Parameters Which Predict a Good Outcome When Deciding to Fuse to L3 in Double Major Idiopathic Scoliosis. E-Poster Presentation at the 42nd Annual Meeting of the Scoliosis Research Society, Edinburgh, Scotland, September 2007.

Zhang HJ, **Sucato DJ**, Nurenberg P, McClung A. A Prospective Study Characterizing Pedicle and Neurocentral Synchondrosis Development in Infantile and Juvenile Idiopathic Scoliosis Using Magnetic Resonance Imaging. Poster Presentation at the 43rd Annual Meeting of the Scoliosis Research Society, Salt Lake City, UT, September 2008.

Zhang HJ, **Sucato DJ**, Nurenberg P, McClung A. Characterize Neurocentral Synchondrosis Developmental Stages in Normal Pediatric Patients Using Magnetic Resonance Imaging. Poster Presentation at the 43rd Annual Meeting of the Scoliosis Research Society, Salt Lake City, UT, September 2008.

Richards BS, **Sucato DJ**, Johnston CE, Lenke LG, Kuklo TR, Diab M, Spinal Deformity Study Group. Thoracoplasty in Idiopathic Scoliosis – Should We Keep Doing It? Poster

Presentation at the 43rd Annual Meeting of the Scoliosis Research Society, Salt Lake City, UT, September 2008.

Sucato DJ, Kuklo TR, Diab M, Richards BS, Johnston CE, Lenke LG, Spinal Deformity Study Group. Risk Factors for Critical Intraoperative Neuromonitoring Changes During AIS Surgery. E-Poster Presentation at the 43rd Annual Meeting of the Scoliosis Research Society, Salt Lake City, UT, September 2008.

Kuklo TR, Diab M, Richards BS, **Sucato DJ**, Lenke LG, Spinal Deformity Study Group. Are There SRS Preoperative Questionnaire Differences between Kyphosis and Scoliosis Patients? E-Poster Presentation at the 43rd Annual Meeting of the Scoliosis Research Society, Salt Lake City, UT, September 2008.

Sucato DJ, Lubicky JP, Sarwark JF, Spinal Deformity Study Group. BMI is Changing in Children and Adolescents Presenting for Scoliosis Surgery – The Prospective Pediatric Scoliosis Study Database. E-Poster Presentation at the 43rd Annual Meeting of the Scoliosis Research Society, Salt Lake City, UT, September 2008.

Kuklo TR, Diab M, **Sucato DJ**, Richards BS, Emans JB, Lenke LG, Spinal Deformity Study Group. Factors Associated with Pedicle Screw Removal Secondary to EMG Pedicle Stimulation Criteria in AIS Surgery. E-Poster Presentation at the 43rd Annual Meeting of the Scoliosis Research Society, Salt Lake City, UT, September 2008.

Gurd DP, Podeszwa DA, Riccio A, **Sucato DJ.** Acetabular Protrusio Associated with Slipped Capital Femoral Epiphysis. Poster presentation at the 76th Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, NV, February 2009.

Shah SA, Sponseller PD, Abel MF, Newton PO, Letko LJ, **Sucato DJ,** Betz RR. Pelvic Fixation in Cerebral Palsy Scoliosis: Do the Benefits Outweigh the Costs? Poster presentation at the 76th Annual Meeting of the American Academy of Orthopaedic Surgeons, Las Vegas, NV, February 2009.

Sucato DJ, Hernandez A, Podeszwa DA. A Positive Impingement Sign Identifies Labral Pathology in Adolescent Hip Dysplasia. E-Poster Presentation at the 2009 Meeting of the Pediatric Orthopaedic Society of North America, Boston, MA, April/May 2009.

Sucato D, Nelson, Keefover-Hicks. Postoperative Constipation Following AIS Surgery: Incidence and Risk Factors. E-Poster presentation at the 16th Annual International Meeting on Advanced Spine Techniques, Vienna, Austria, July 2009.

Sucato D, Richards BS, Johnston CE, et al, Spinal Deformity Study Group. Do Patients Requiring Revision Surgery for AIS Have Worse Radiographic or Clinical Outcomes? E-Poster presentation at the 16th Annual International Meeting on Advanced Spine Techniques, Vienna, Austria, July 2009.

Thawrani D, Hopkins J, **Sucato D**. Challenges in the Surgical Management of Severe Thoracic Hyperkyphosis in Syndromic Patients. E-Poster presentation at the 16th Annual International Meeting on Advanced Spine Techniques, Vienna, Austria, July 2009.

Sucato DJ, Fletcher N, Kassab, Farid, Browne RE, Dempsey-Robertson M. Defining the Amount of Discectomy Needed for Bony Fusion Following Thoracoscopic Anterior

Spinal Instrumentation and Fusion for Idiopathic Scoliosis. E-Poster presentation at the 17th Annual International Meeting on Advanced Spine Techniques, Toronto, Canada, July 2010.

Sucato DJ, Lenke LG, Richards BS, Johnston CE, Emans M, Sanders JO, Erickson MA, Vitale X, Bridwell K. Saving Lumbar Motion Segments with Selective Thoracic Fusion for Lenke 1C Curves Provides Good Radiographic Outcomes but No Added Functional Benefit at 2 Years when Compared to NonSelective Fusions. E-Poster presentation at the 17th Annual International Meeting on Advanced Spine Techniques, Toronto, Canada, July 2010.

Sucato DJ. Experimental Model of Spinal Cord Injury During Bilateral Spine Distraction Simulating Spine Deformity Correction Forces. E-Poster presentation at the 17th Annual International Meeting on Advanced Spine Techniques, Toronto, Canada, July 2010.

Sucato DJ. The Role of Spine MRI in Patients with Scheuermann's Kyphosis: Is it Useful or Necessary? E-Poster presentation at the 17th Annual International Meeting on Advanced Spine Techniques, Toronto, Canada, July 2010.

Zhang H, **Sucato DJ**, Nurenberg P, McClung A. Morphometric Analysis of Vertebral Growth in the Skeletally Immature Spine. E-Poster presentation at the 44th Annual Meeting of the Scoliosis Research Society, San Antonio, TX, September 2009.

Richards BS, **Sucato DJ**, Johnston CE, Lenke LG, Kuklo TR, Diab M, Spinal Deformity Study Group. Thoracoplasty in Idiopathic Scoliosis – It Doesn't Make a Difference. E-Poster presentation at the 44th Annual Meeting of the Scoliosis Research Society, San Antonio, TX, September 2009.

Lenke LG, **Sucato DJ**, Richards BS, Bridwell KH, Kuklo TR, Emans JB, O'Brien MF, Sides B, Spinal Deformity Study Group. The Rate of Posterior-only Surgery in Adolescent Idiopathic Scoliosis has Dramatically Increased over the Past 15 Years with Less Complications: A Multicenter Analysis. E-Poster presentation at the 44th Annual Meeting of the Scoliosis Research Society, San Antonio, TX, September 2009.

Zhang H, **Sucato DJ**. Neurocentral Synchondrosis Screws to Create and Correct Experimental Deformity. Poster presentation at the 45th Annual Meeting of the Scoliosis Research Society, Kyoto, Japan, September 2010.

Sucato DJ, Richards BS, Lenke LG, Johnston CE, Sanders JO, Erickson MA, Carreon LY, Spinal Deformity Study Group. Revision Surgery for AIS Results in SRS Scores Comparable to Primary Surgery Patients. Poster presentation at the 45th Annual Meeting of the Scoliosis Research Society, Kyoto, Japan, September 2010.

Sucato DJ, Wingfield J, McClung A, Sparagana S, Rampy P. Dual Motor Monitoring Using Transcranial Motor Evoked Potentials and Neurogenic MEPs During Spinal Deformity Surgery May Offer the Best of Both for Challenging Deformity Surgery. Poster presentation at the 45th Annual Meeting of the Scoliosis Research Society, Kyoto, Japan, September 2010.

Sucato DJ, Shah S, Lenke LG, Newton PO, Emans M, Shufflebarger H, Sponseller P. Prompt Response to Critical Spinal Cord Monitoring Changes During Vertebral Column

Resection Results in a Low Incidence of Permanent Neurologic Deficit. Poster presentation at the 45th Annual Meeting of the Scoliosis Research Society, Kyoto, Japan, September 2010.

Sucato DJ, Lenke LG, Richards BS, Johnston CE, Emans M, Sanders JO, Erickson MA, Vitale X, Bridwell K. Saving Lumbar Motion Segments with Selective Thoracic Fusion for Lenke 1C Curves Provides Good Radiographic Outcomes but No Added Functional Benefit at 2 Years when Compared to NonSelective Fusions. Poster presentation at the 45th Annual Meeting of the Scoliosis Research Society, Kyoto, Japan, September 2010.

Stearns JE, **Sucato DJ**, et al. Spinal Cord Injury: Human Studies and Animal Models. Poster presentation at the 40th Annual Meeting of the Society for Neuroscience, San Diego, CA, November 2010.

Nepple J, Martell JM, Kim YJ, Millis MB, Podeszwa DA, Sink EL, **Sucato DJ**, Zaltz, Clohisy JC. Do Alpha Angles on Plain Radiographs Correlate with Three-dimensional Imaging? Poster presentation at the 78th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 2011.

Nepple J, Martell JM, Kim YJ, Millis MB, Podeszwa DA, Sink EL, **Sucato DJ**, Zaltz, Clohisy JC. Are Standard Measures of Pelvic Tilt and Rotation Reliable? Poster presentation at the 78th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 2011.

Crawford CH, Lenke LG, **Sucato DJ**, Richards BS, Emans JB, Vitale MG, Erickson MA, Sanders JO, Bridwell KH. Selective Thoracic Fusion in Lenke 1C Curves: Prevalence and Criteria. Poster presentation at the 78th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Diego, CA, February 2011.

Podeszwa DA, **Sucato DJ** et al. Mid-Term Functional Outcomes of the Salter Osteotomy for Acetabular Dysplasia in Children. Poster Presentation at the 2011 Meeting of the Pediatric Orthopaedic Society of North America, Montreal, Quebec, Canada, May 11-14, 2011.

Sucato DJ et al. Factors Predicting Coronal Decompensation of Lenke 1 Curves Following Selective Fusion. Poster presentation at the 124th Annual Meeting of the American Orthopaedic Association, Boston, MA, June 2011.

Sucato DJ, McClung A, Allen T, Martin BD. Outcome of Operative Treatment for Spinal Deformity in Patients with Syringomyelia Compared to AIS Patients. Poster presentation at the 79th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, February 2012.

Clohisy JC, Beaule PE, Larson C, **Sucato DJ**, Podeszwa DA, Schoenecker PL, Sierra RJ, Trousdale RT, Millis MB. Development and Early Results of the ANCHOR Hip Preservation Surgery Study Group. Scientific Exhibit at the 79th Annual Meeting of the American Academy of Orthopaedic Surgeons, San Francisco, CA, February 2012.

Anna McClung, BSN, RN, Daniel J. Sucato, MD, MS. Symptomatic Operative Adolescent Idiopathic Scoliosis Patients: "Can Their Increased Perception of Deformity be

Changed." E-Poster presentation at the 20 International Meeting on Advanced Spine Techniques (IMAST), Vancouver, British Columbia, Canada, July 2013.

Adriana De La Rocha, MS, Daniel J. Sucato, MD, MS, Anna M. McClung, BSN, RN, David Podeszwa, MD. "Parent Perception of Appearance Influences Patient Expectations of Outcomes in the Treatment of AIS." E-Poster presentation at the 20 International Meeting on Advanced Spine Techniques (IMAST), Vancouver, British Columbia, Canada, July 2013.

Paul C. Celestre, MD, Leah Y. Carreon, MD, MSc, Lawrence G. Lenke, MD, Daniel J. Sucato, MD, MS, Steven D. Glassman, MD. "Sagittal Alignment Two Years After Selective and Nonselective Thoracic Fusion for Lenke 1C Adolescent Idiopathic Scoliosis." E-Poster presentation at the 20 International Meeting on Advanced Spine Techniques (IMAST), Vancouver, British Columbia, Canada, July 2013.

Local Papers/Presentations

Sucato DJ*, Johnston CE, Herring, JA. Outcome of Ultrasonographic Abnormalities in Clinically Normal Hips. The Twentieth Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, April 1998.

Hedequist D*, **Sucato DJ**. Radiographic and Functional Outcome Following Operative Correction of Adolescent Idiopathic Scoliosis: A Comparison of Boys and Girls. The Twenty-First Annual Brandon Carrell Visiting Professorship. Texas Scottish Rite Hospital, Dallas, TX, April 1999.

Kilbride E*, **Sucato DJ,** Birch JG. Spinal Deformities in Children with Congenital Diaphragmatic Hernias. The Twenty-First Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, April 1999.

Sucato DJ*, Welch RD, Pierce B, Zhang H, Haideri N, Bronson D. Thoracic Discectomy: Is Segmental Vessel Ligation Necessary? The Twenty-First Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, April 1999.

Golden A*, **Sucato DJ**. Safety of Pedicle Screws in Pediatric Spinal Deformity. The Twenty-Second Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, April 2000.

Sucato DJ*, Kaiser B. Pseudarthrosis Following Posterior Segmental Spinal Instrumentation and Fusion for AIS. The Twenty-Second Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, April 2000.

Ouellet J*, **Sucato DJ**. *Le Faux Profil, est-il Faux?* The Faux Profile View Revisited. The Twenty-Second Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, April 2000.

Konigsberg D*, **Sucato DJ**. Follow-up on Steel Osteotomy. The Twenty-Second Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, April 2000.

Ward, R*, **Sucato DJ**. Retrospective Comparison of Operative Treatment of Displaced Supracondylar Humerus Fractures: Lateral Pin Fixation Versus Lateral-Medial Pin Fixation. Charles Gregory Memorial Lectureship, Dallas, TX, June 2000.

Podeszwa D*, **Sucato DJ**. Salter Innominate Osteotomy for Residual Hip Dysplasia in Children: A Long-Term Functional and Radiographic Evaluation. The Twenty-Third Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, June 2001.

Ward R*, **Sucato DJ**. Two Lateral vs. Medial/Lateral Pins for Supracondylar Humerus Fracture. The Twenty-Third Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, June 2001.

Mayberry S*, **Sucato DJ**. The Efficacy of Needle Irrigation as Treatment of Septic Arthritis of the Knee. The Twenty-Third Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, June 2001.

Golden A*, **Sucato DJ**. Safety of Pedicle Screw Fixation for Pediatric Spinal Deformity at a Pediatric Orthopaedic Center. Charles Gregory Memorial Lectureship, Dallas, TX, June 2002.

Dagher G*, **Sucato DJ**. Early Experience and Radiographic Outcome Following the Ganz Periacetabular Osteotomy for Hip Dysplasia in the Adolescent Patient. The Twenty-Fourth Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, June 2002.

Konigsberg D*, **Sucato DJ**. Radiographic and Clinical Results Following the Steel Triple Innominate Osteotomy for Adolescent Hip Dysplasia. The Twenty-Fourth Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, June 2002.

Duchene C*, **Sucato DJ**. MRI Analysis of the Position of the Aorta Relative to the Spine: A Comparison between Normal Patients and those with Idiopathic Right Thoracic Scoliosis. The Twenty-Fourth Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, June 2002.

Sucato DJ*. Thoracoscopic Anterior Instrumentation and Fusion for AIS: An Update of the Safety of Screw Position. The Twenty-Fourth Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, June 2002.

Duchene C*, **Sucato DJ**. MRI Analysis of the Position of the Aorta Relative to the Spine: A Comparison between Normal Patients and Those with Idiopathic Right Thoracic Scoliosis. Charles Gregory Memorial Lectureship, Dallas, TX, June 2003.

Mueller K*, **Sucato DJ**. Choosing the Distal Fusion Level for Anterior Instrumentation for Thoracic ASI: Proximal vs. Distal to the Parallel Disc. The Twenty-Fifth Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, June 2003.

Bosch P*, **Sucato DJ**. Pedicle Screw vs. Hooks for Base of Selective Thoracic Fusion. The Twenty-Fifth Annual Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, TX, June 2003.

Sucato DJ. Thoracoscopic Surgical Techniques in Scoliosis. Fort Worth Affiliated Hospitals Pediatric Orthopaedic Conference, Cook Children's Hospital, Fort Worth, TX, October 10, 2003.

Sucato DJ. Legg-Perthes and SCFE; Scoliosis; and Back Pain. The University of Texas Southwestern and Texas Scottish Rite Hospital for Children Orthopaedic Outreach Series Scientific Program, Dallas, TX, May 2006.

Sucato DJ. Scoliosis. The University of Texas Southwestern and Texas Scottish Rite Hospital for Children Pediatric Orthopaedic Education Series, Dallas, TX, March 2010.

Sucato DJ. The Management of Severe Spinal Deformity. Charles Gregory Memorial Lectureship, Dallas, TX, May 2010.

Sucato DJ. Management of Congenital Limb Deficiencies in Children. The University of Texas Southwestern Medical Center at Dallas Short Course Program, Dallas, TX, October 2010.

Host Surgeon

Aina Danielsson, M.D., Sahlgren University Hospital, Ostra, Goteborg, Sweden and Walter Reed Army Medical Center, Washington, D.C., for Brandon P. Carrell Visiting Professorship, February 2003.

Anthony Scaduto, M.D., Children's Hospital Los Angeles, Los Angeles, CA, for Pediatric Orthopaedic Surgery Fellowship, July 2003.

Randal R. Betz, M.D., Shriner's Hospital for Children, Philadelphia, PA, for Pediatric Orthopaedic Surgery Fellowship, July 2003.

M. Darryl Antonacci, M.D. F.A.C.S., Institute for Spine and Scoliosis, Lawrenceville, NJ, for Spinal Deformity Educational Group Tutorial Fellowship, December 2003.

Linda D'Andrea, M.D., Shriner's Hospital for Children, Philadelphia, PA, for Spinal Deformity Educational Group Tutorial Fellowship, December 2003.

John T. Killian, M.D., Orthopaedic Specialists of Alabama, Birmingham, AL, for Pediatric Orthopaedic Surgery Fellowship, January 2004.

Roger F. Widmann, M.D., Hospital for Special Surgery, New York, NY, for Pediatric Orthopaedic Surgery Fellowship, July 2004.

Jose A. Herrera-Soto, M.D., Arnold Palmer Hospital for Children, Orlando, FL, for Pediatric Orthopaedic Surgery Fellowship, August 2004.

Chen Qixen, M.D., The Second Hospital of Zhejiang University, Zhejiang, P.R. China, for Pediatric Orthopaedic Surgery Fellowship, August 2004.

Ignacio Dockendorf, M.D., Chilean Society of Orthopaedics, San Cristobal Medical Foundation, Santiago, Chile, for Pediatric Orthopaedic Surgery Fellowship, April 2005.

James T. Guille, M.D., Shriner's Hospital for Children, Philadelphia, PA, and Edgar Dawson M.D. Fellowship Sponsored through the Scoliosis Research Society, February 2006.

Mark J. Adamczyk, M.D., Akron Children's Hospital, Akron, OH, December 2006.

Scott Rosenfeld, M.D., Texas Children's Hospital, Houston, TX, August 2007.

Lyall Ashberg, M.D., Orthopaedic Specialists of Brevard, P.A., Melbourne, FL, December 2007.

Scott Hoffinger, M.D., Children's Hospital Oakland, Oakland, CA, May 2008.

Michael Catino, M.D., Presbyterian Hospital of Denton, Denton, TX, June 2008.

Matthew Geck, M.D., SpineAustin, Seton Spine and Scoliosis Center, Austin, TX, July 2008.

Henry Iwinski, M.D., Shriners Hospital for Children, Lexington, KY, August 2008.

Vishwas Talwalkar, M.D., Shriners Hospital for Children, Lexington, KY, August 2008.

Haluk Altiok, M.D., Shriners Hospital for Children, Chicago, IL, October 2008.

Ralph Wolf, M.D., Saint Joseph Hospital, Nashua, NH, July 2009.

Benny Dahl, M.D., Professor of Spine Surgery, University of Copenhagen, Denmark, September 2009.

Stephen Sundberg, M.D., Abbott-Northwestern Hospital, St. Paul, MN, September 2009.

David P. Gurd, M.D., Cleveland Clinic Foundation, Cleveland, OH, April 2010.

Invited Ground Rounds

Orthopedics Department Grand Rounds: "Thoracoscopy for Spinal Deformity: Where We Are Today". University of Wisconsin, Madison, WI, May 25, 2005. Hosts: Thomas Zdeblick, MD, Kenneth Noonan, MD, and Bob Ablove, MD.

Orthopaedics Department Grand Rounds: "Surgical Hip Dislocation: Applications to the Adolescent Patient". Brown University and Rhode Island Hospital, Providence, RI, October 17, 2007. Host: Michael C. Ehrlich, MD.

Orthopaedics Department Grand Rounds: "Surgical Hip Dislocation in the Treatment of the Pediatric Patient" and "Hip Preserving Surgery in the Adolescent and Young Adult". University of Utah, Salt Lake City, UT, October 8, 2008. Hosts: Charles L. Saltzman, MD and James W. Roach, MD.

"The Treatment of Severe Spine Deformity: The Role of Advanced Spine Techniques". State University of New York at Buffalo, Buffalo, NY, August 14, 2009. Host: Michael Ferrick, MD.

"The Role of 'Advanced' Techniques in the Treatment of Spine Deformity". Harvard Medical School, Longwood Orthopaedic Grand Rounds, Children's Hospital, Boston, MA, May 19, 2010. Hosts: Mininder Kocher, MD, Daniel Hedequist, MD, M. Timothy Hresko, MD.

"Scoliosis – Recognition and Management for the Pediatrician", "The Surgical Dislocation Approach in the Pediatric/Adolescent", and "Treatment of Severe Pediatric Spine Deformity." Children's Hospital Medical Center, Akron, OH, July 15-17, 2010. Hosts: Dennis Weiner, MD, Mark Adamczyk, MD.

Orthopaedic Surgery Department Grand Rounds, "Genetic Evaluation of Scoliosis Gene in Patients with NF1 and Scoliosis": "Treatment of Dystrophic Scoliosis: TSRH Experience". University of Minnesota, Minneapolis, MN, Apr 22, 2011. Hosts: David Polly, Jr., MD, Charles T. Ledonio, MD.

Orthopaedic Surgery Department Grand Rounds, "Slipped Capital Femoral Epiphysis (SCFE); Indications for a 'Cuneiform' Osteotomy". John Peter Smith Hospital, Fort Worth, TX, May 25, 2011.

"Surgical Hip Dislocation: Technique, Indications, and Results". Steadmon Philippon Research Institute/ Vail Valley Medical Center Orthopaedic Grand Rounds, Vail, CO, June 27, 2011.

Courses Attended

Synthes Spine Congenital Spine Forum: "Expansion Thoracoplasty Techniques for the Treatment of Thoracic Insufficiency Syndrome", Shriners Hospital for Children, Philadelphia, PA, March 22-23, 2005.