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PUBLICATIONS – PEER REVIEWED JOURNAL ARTICLES (published/in press)

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SUBMITTED ARTICLES (AS OF 5.19.17)

1. Yaszay B, Bartley CE, Bastrom TP, Shah S, Lonner B, Asghar J, Newton PO, Harms Study Group. When every dose of radiation matters in the young patient. How do bending films influence surgical decision making in moderate AIS curves? (Submitted to Spine Deform. 2/15)
2. Sponseller PD et al. Proximal junctional kyphosis in cerebral palsy: risk factors and guidelines for prevention (submitted to Spine 2/15)
3. Institutional Variations in the Perioperative Care of Scoliosis. Scannell B, Newton PO, Yaszay B, Shah SA, Sponseller PD, Miyanji F, Abel MF, Shufflebarger HL, Harms Study Group. Submitted to Spine 2/13/15.
4. Verma, Shahk, Neiss, Yorgova, Lau, Miyanji, Newton, Yaszay, Petcharaporn, Bastrom, Narayanan, Sponseller. Restoring sagittal balance improves clinical outcomes for cerebral palsy patients with spinal deformity. Submitted to Spine 11/2016.
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7. Five-Year Results for Lenke 1 and 2 Curves: Comparison of Anterior, Posterior Hybrid, and Posterior All Pedicle Screw Constructs. James T. Bennett, MD; Hitesh Garg, MBBS, MS; Firoz Miyanji, MD; Baron S. Lonner, MD; Robert J. Ames, MD; Michelle C. Marks, PT, MA; Randal R. Betz, MD; Peter O. Newton, MD; Amer F. Samdani, MD8. Submitted to October Specialty Issue (Pediatric Spinal Deformity) of Neurosurgical Focus
8. Jaysson T. Brooks , MD, Tracey P. Bastrom, MA Carrie E. Bartley, MA, Baron S. Lonner, MD, Suken A. Shah, MD, Firoz Miyanji, MD, Jahangir Asghar, MD, Peter O. Newton, MD, Burt Yaszay, MD, and the Harms Study Group. In Search of the Ever-Elusive Postoperative Shoulder Balance: Is the T2 UIV the Key? Submitted to Spine July 5, 2017.

BOOKS PUBLISHED BY THE HARMS STUDY GROUP

Neuromuscular Spine Deformity: The Harms Study Group Treatment Guide (Newton PO, Betz RR, Shufflebarger HL, Samdani AF, Shah SA, Sponseller PD, Yaszay B, eds.). In production; to be published in November 2017.

Section 1:

1. Neuromuscular Scoliosis: Introduction
2. Preoperative Evaluation and Optimization
3. Nonoperative Management
4. Surgical Indications
5. Intraoperative Issues: Anesthesia, Neuromonitoring, Estimated Blood Loss

Section 2: Disease Specific

6. Scoliosis in Cerebral Palsy
7. Spinal Fusion in Myelomeningocele
8. Patients with Spinal Cord Injury: Surgical Considerations
9. Muscular Dystrophy: Surgical Indications and Considerations
10. Spinal Muscular Atrophy
11. Other Neuromuscular Conditions: Rett Syndrome, Charcot-Marie-Tooth Disease, and Friedreich's Ataxia
12. Unique Challenges with Scoliosis and Dislocated Hips
13. Kyphosis in the Patient with Neuromuscular Scoliosis

Section 3: Surgical Techniques

14. Sacropelvic Fixation
15. Pelvic Obliquity Correction Using a Cantilever Maneuver
16. Correction of Pelvic Obliquity With an All Screw Construct
17. Comparison of Unit Rod with Screw Constructs
18. Implant Density and Neuromuscular Scoliosis
19. Halo Traction
20. Osteotomies: Ponte and Vertebral Column Resection

Section 4: Postoperative Issues and Complications

21. Incidence of Major Complications

22. Management of Infection: Early and Late
23. Postoperative ICU Management
24. Reoperations: Hardware Failure, Junctional Kyphosis
25. Baclofen Pump: Pre-, Intra-, and Postoperative Management

Idiopathic Scoliosis: The Harms Study Group Treatment Guide (Newton PO, Betz RR, O'Brien MF, Dickson RA, Shufflebarger HL, Harms J, eds.). New York, NY: Thieme Medical Publishers, Inc. 2010

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12. Sucato DJ: Selective Versus Nonselective Surgery for Adolescent Idiopathic Scoliosis
13. Mulconrey DS, Lenke LG: Selection of Fusion Levels
14. Shah SA: Posterior Correction Techniques in Late-Onset Scoliosis
15. Sponseller PD and Takenaga R: The Use of Traction in Treating Large Scoliotic Curves in Idiopathic Scoliosis
16. Letko L, Jensen RG, Harms J: The Treatment of Rigid Adolescent Idiopathic Scoliosis: Releases, Osteotomies, and Apical Vertebral Column Resection
17. Newton PO and Upasani VV: Surgical Treatment of the Right Thoracic Curve Pattern

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PRESENTATIONS - ABSTRACTS

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309. Linda D'Andrea et al. Trunk Flexibility and Activity/Function are Significantly Less with Lumbar Fusion in Patients with Lenke 1&2 Curve Types. Scoliosis Research Society Annual Meeting. Salt Lake City, Utah. September 9-13, 2008. (e-poster)
310. Jim Guille et al. Does the Occurrence of Postoperative Complications Adversely Affect SRS Scores? Scoliosis Research Society Annual Meeting. Salt Lake City, Utah. September 9-13, 2008. (e-poster)
311. Peter Newton et al. Risk Factors for Distal Adding-on Identified: What to Watch Out For. Scoliosis Research Society Annual Meeting. Salt Lake City, Utah. September 9-13, 2008. (podium)
312. Peter Newton et al. Preservation of Thoracic Kyphosis: A Critical Component to Maintaining Post-operative Lumbar Lordosis during the Surgical Treatment of Adolescent Idiopathic Scoliosis. Scoliosis Research Society Annual Meeting. Salt Lake City, Utah. September 9-13, 2008. (podium)
313. Peter Newton et al. Increase Patient Satisfaction after Fusion for Adolescent Idiopathic Scoliosis by Minimizing the Deformity-Flexibility Quotient! Scoliosis Research Society Annual Meeting. Salt Lake City, Utah. September 9-13, 2008. (podium)
314. Peter Newton et al. Should Post-operative Pulmonary Function be a Criterion that Affects Upper Instrumented Vertebral Body Selection in AIS Surgery? Scoliosis Research Society Annual Meeting. Salt Lake City, Utah. September 9-13, 2008. (e-poster)
315. Peter Newton et al. Post operative trunk flexibility loss is modest but incremental as the fusion progresses distally. Scoliosis Research Society Annual Meeting. Salt Lake City, Utah. September 9-13, 2008. (podium)
316. Amer Samdani et al. Cervical Sagittal Plane Decompensation After Pediatric AIS Surgery. Scoliosis Research Society Annual Meeting. Salt Lake City, Utah. September 9-13, 2008. (e-poster)
317. Randy Betz et al. The Majority of Initial Coronal Imbalance Following Fusion Surgery for AIS Improves Within Six Months. Scoliosis Research Society Annual Meeting. Salt Lake City, Utah. September 9-13, 2008. (podium)

318. Randy Betz et al. Are Triggered EMG Thresholds Reliable for Assessing Thoracic Pedicle Screw Breach in the Cerebral Palsy Population? Scoliosis Research Society Annual Meeting. Salt Lake City, Utah. September 9-13, 2008. (e-poster)
319. Suken Shah et al. The Uniplanar Screw: A New Tool in the Surgical Treatment of AIS. Scoliosis Research Society Regional Meeting. New Delhi, India. October 2-5, 2008. (podium)
320. Suken Shah et al. Pelvic Fixation in Cerebral Palsy Scoliosis Results in Better Restoration of Pelvic Obliquity, Sitting Ability and a Lower Reoperation Rate: Do the Benefits Outweigh the Costs? Scoliosis Research Society Regional Meeting. New Delhi, India. October 2-5, 2008. (poster)
321. Amer Samdani et al. Cervical Sagittal Plane Decompensation After Pediatric AIS Surgery. North American Spine Society Annual Meeting. Toronto, Canada. October 14-18, 2008 (podium)
322. Randy Betz et al. Surgical Trunk Rotation Correction in Patients with Moderate Thoracic AIS (< 75°): An All Pedicle Screw Construct with Derotation is Better than Thoracoplasty. North American Spine Society Annual Meeting. Toronto, Canada. October 14-18, 2008 (podium)
323. Peter Newton et al. Risk Factors for Distal Adding-on Identified: What to Watch Out For. North American Spine Society Annual Meeting. Toronto, Canada. October 14-18, 2008 (e-poster)
324. Suken Shah et al. The Uniplanar Screw: A New Tool in the Surgical Treatment of AIS. American Academy of Orthopaedic Surgeons annual meeting. Las Vegas, Nevada Feb. 23-28, 2009. (poster)
325. Suken Shah et al. Pelvic Fixation in Cerebral Palsy Scoliosis Results in Better Restoration of Pelvic Obliquity, Sitting Ability and a Lower Reoperation Rate: Do the Benefits Outweigh the Costs? American Academy of Orthopaedic Surgeons annual meeting. Las Vegas, Nevada Feb. 23-28, 2009. (poster)
326. Michael O'Brien et al. Postoperative Left Shoulder Elevation (LSE): An Unexpected Consequence of Surgical Correction of Lenke 1 Main Thoracic Curves. American Academy of Orthopaedic Surgeons annual meeting. Las Vegas, Nevada Feb. 23-28, 2009. (poster)
327. Michael O'Brien et al. Efficacy of Hemivertebra Resection for Congenital Scoliosis (CS): A Multicenter Retrospective Comparison of Three Surgical Techniques. American Academy of Orthopaedic Surgeons annual meeting. Las Vegas, Nevada Feb. 23-28, 2009. (poster)
328. Peter Newton et al. Selection of the Upper Instrumented Vertebra in the Surgical Treatment of Adolescent Idiopathic Scoliosis: Identification of the Most Influential Determinants. American Academy of Orthopaedic Surgeons annual meeting. Las Vegas, Nevada Feb. 23-28, 2009. (poster)
329. Peter Newton et al. Risk Factors for Distal Adding-on Identified: What to Watch Out For. American Academy of Orthopaedic Surgeons annual meeting. Las Vegas, Nevada Feb. 23-28, 2009. (podium)
330. Peter Newton et al. Increase Patient Satisfaction after Fusion for Adolescent Idiopathic Scoliosis by Minimizing the Deformity-Flexibility Quotient! American Academy of Orthopaedic Surgeons annual meeting. Las Vegas, Nevada Feb. 23-28, 2009. (podium)
331. Peter Newton et al. Preservation of Thoracic Kyphosis: A Critical Component to Maintaining Post-operative Lumbar Lordosis during the Surgical Treatment of Adolescent Idiopathic Scoliosis. American Academy of Orthopaedic Surgeons annual meeting. Las Vegas, Nevada Feb. 23-28, 2009. (podium)

332. Peter Newton et al. What is the ‘best’ surgical approach for a Lenke 1 Main Thoracic curve? Results of a prospective, multi-center study. American Academy of Orthopaedic Surgeons annual meeting. Las Vegas, Nevada Feb. 23-28, 2009. (podium)
333. Peter Newton et al. Post operative trunk flexibility loss is modest but incremental as the fusion progresses distally. American Academy of Orthopaedic Surgeons annual meeting. Las Vegas, Nevada Feb. 23-28, 2009. (poster)
334. Alvin Crawford et al. Use of the double rib contour sign to determine rib hump correction following scoliosis surgery. American Academy of Orthopaedic Surgeons annual meeting. Las Vegas, Nevada Feb. 23-28, 2009. (podium)
335. Amer Samdani et al. How Does Surgeon Experience Affect the Accuracy Of Placement of Thoracic Pedicle Screws in Adolescent Idiopathic Scoliosis (AIS)? American Academy of Orthopaedic Surgeons annual meeting. Las Vegas, Nevada Feb. 23-28, 2009. (podium)
336. Suken Shah et al. Pelvic Fixation in Cerebral Palsy Scoliosis Results in Better Restoration of Pelvic Obliquity, Sitting Ability and a Lower Reoperation Rate: Do the Benefits Outweigh the Costs? Pediatric Orthopedic Society of North America annual meeting, Boston, MA April 29 – May 1, 2009. (poster)
337. Peter Newton et al. Risk Factors for Distal Adding-on Identified: What to Watch Out For. Pediatric Orthopedic Society of North America annual meeting, Boston, MA. April 29 – May 1, 2009. (podium)
338. Peter Newton et al. What is the ‘best’ surgical approach for a Lenke 1 Main Thoracic curve? Results of a prospective, multi-center study. Pediatric Orthopedic Society of North America annual meeting, Boston, MA. April 29 – May 1, 2009. (podium)
339. Peter Newton et al. Selective Thoracic Fusion In Adolescent Idiopathic Scoliosis: Fuse To One Below Stable Vertebra For The Best Result. Pediatric Orthopedic Society of North America annual meeting, Boston, MA. April 29 – May 1, 2009. (podium)
340. Jack Flynn et al. The Upper End Vertebral Tilt-Correction Rule. International Meeting on Advanced Spine Techniques, Vienna Austria July 15-18, 2009 (poster)
341. Jack Flynn et al. AP Shoulder Angle: a New Measurement of Shoulder Balance. International Meeting on Advanced Spine Techniques, Vienna Austria July 15-18, 2009 (poster)
342. Baron Lonner et al. Validation: Body Image Disturbance Questionnaire-Scoliosis version. International Meeting on Advanced Spine Techniques, Vienna Austria July 15-18, 2009 (poster)
343. Peter Newton et al. Selective Thoracic Fusion in Adolescent Idiopathic Scoliosis. International Meeting on Advanced Spine Techniques, Vienna Austria July 15-18, 2009 (poster)
344. Peter Newton et al. Surgical Site Infection (SSI) in Spinal Surgery: The Newest “Never” Event. International Meeting on Advanced Spine Techniques, Vienna Austria July 15-18, 2009 (poster)
345. Amer Samdani et al. Post-operative trunk shift. International Meeting on Advanced Spine Techniques, Vienna Austria July 15-18, 2009 (poster)
346. Suken Shah et al. Longer Surgical Times May Increase Your Complication Rate International Meeting on Advanced Spine Techniques, Vienna Austria July 15-18, 2009 (podium)

347. Suken Shah et al. Rod Strength: Is it an Important Factor in Realignment after Surgery? International Meeting on Advanced Spine Techniques, Vienna Austria July 15-18, 2009 (poster)
348. Paul Sponseller et al. Lenke Curve distribution by curve magnitude. International Meeting on Advanced Spine Techniques, Vienna Austria July 15-18, 2009 (poster)
349. Harry Shufflebarger et al. Establishment of a minimal EMG threshold for thoracic pedicle screw. International Meeting on Advanced Spine Techniques, Vienna Austria July 15-18, 2009 (poster)
350. Burt Yaszay et al. Lenke 5 Curves: Thresholds for Selecting L3 vs. L4 as the Distal Level. International Meeting on Advanced Spine Techniques, Vienna Austria July 15-18, 2009 (poster)
351. Burt Yaszay et al. Does Maximizing Curve Correction of Lenke 1 Curves in AIS Risk...? International Meeting on Advanced Spine Techniques, Vienna Austria July 15-18, 2009 (poster)
352. Burt Yaszay et al. A New indication for Ponte releases in AIS. International Meeting on Advanced Spine Techniques, Vienna Austria July 15-18, 2009 (poster)
353. Peter Newton et al. Titanium versus Stainless Steel rods for anterior thoracoscopic surgery. International Meeting on Advanced Spine Techniques, Vienna Austria July 15-18, 2009 (poster)
354. Baron Lonner et al. Scheuermann's Kyphosis: Prospective Evaluation of Clinical Presentation. International Meeting on Advanced Spine Techniques, Vienna Austria July 15-18, 2009 (poster)
355. Pat Cahill et al. What does a scoliometer really measure? Scoliosis Research Society Annual Meeting. San Antonio, TX. September 23-26, 2009 (poster)
356. David Clements et al. Postoperative Sagittal Contour with New Posterior Instrumentation. Scoliosis Research Society Annual Meeting. San Antonio, TX. September 23-26, 2009 (podium)
357. Jack Flynn et al. Instrumenting into non-structural proximal thoracic curves. Scoliosis Research Society Annual Meeting. San Antonio, TX. September 23-26, 2009 (podium)
358. Baron Lonner et al. Body Mass Index in Scheuermann's Kyphosis. Scoliosis Research Society Annual Meeting. San Antonio, TX. September 23-26, 2009 (podium)
359. Baron Lonner et al. Validation: Body Image Disturbance Questionnaire-Scoliosis version Scoliosis Research Society Annual Meeting. San Antonio, TX. September 23-26, 2009 (poster)
360. Peter Newton et al. Left Thoracic Curves Are Not a Mirror Image of Right Thoracic Curves Scoliosis Research Society Annual Meeting. San Antonio, TX. September 23-26, 2009 (podium)
361. Peter Newton et al. Uniplanar Screws Outperform Polyaxial Screws Scoliosis Research Society Annual Meeting. San Antonio, TX. September 23-26, 2009 (podium)
362. Michelle Marks et al. A more distal fusion is associated with increased motion at L4/L5 Scoliosis Research Society Annual Meeting. San Antonio, TX. September 23-26, 2009 (podium)
363. Suken Shah et al. Longer Surgical Times May Increase Your Complication Rate. Scoliosis Research Society Annual Meeting. San Antonio, TX. September 23-26, 2009 (poster)

364. Harry Shufflebarger et al. Multicenter Study of Posterior VCR for Pediatric Deformity. Scoliosis Research Society Annual Meeting. San Antonio, TX. September 23-26, 2009 (podium)
365. David Clements et al. Postoperative Sagittal Contour with New Posterior Instrumentation. North American Spine Society Annual Meeting. San Francisco, CA. November 10-14, 2009 (podium)
366. Baron Lonner et al. Validation: Body Image Disturbance Questionnaire-Scoliosis version. North American Spine Society Annual Meeting. San Francisco, CA. November 10-14, 2009 (podium)
367. Peter Newton et al. Selective Thoracic Fusion in Adolescent Idiopathic Scoliosis. North American Spine Society Annual Meeting. San Francisco, CA. November 10-14, 2009 (podium)
368. Peter Newton et al. Uniplanar Screws Outperform Polyaxial Screws. North American Spine Society Annual Meeting. San Francisco, CA. November 10-14, 2009 (podium)
369. Peter Newton et al. Surgical Site Infection (SSI) in Spinal Surgery: The Newest “Never” Event. North American Spine Society Annual Meeting. San Francisco, CA. November 10-14, 2009 (podium)
370. Suken Shah et al. Longer Surgical Times May Increase Your Complication Rate. North American Spine Society Annual Meeting. San Francisco, CA. November 10-14, 2009 (poster)
371. Suken Shah et al. Rod Strength: Is it an Important Factor in Realignment after Surgery? North American Spine Society Annual Meeting. San Francisco, CA. November 10-14, 2009 (podium)
372. Harry Shufflebarger et al. Multicenter Study of Posterior VCR for Pediatric Deformity. North American Spine Society Annual Meeting. San Francisco, CA. November 10-14, 2009 (podium)
373. Burt Yaszay et al. Lenke 5 Curves: Thresholds for Selecting L3 vs. L4 as the Distal Level. North American Spine Society Annual Meeting. San Francisco, CA. November 10-14, 2009 (podium)
374. Burt Yaszay et al. Does Maximizing Curve Correction of Lenke 1 Curves in AIS Risk...? North American Spine Society Annual Meeting. San Francisco, CA. November 10-14, 2009 (podium)
375. Lonner et al. Scheuermann’s Kyphosis: Prospective Evaluation of Clinical Presentation. American Academy of Orthopaedic Surgeons annual meeting. New Orleans, LA March 9-15, 2010. (poster)
376. Lonner et al. Validation: Body Image Disturbance Questionnaire-Scoliosis version. American Academy of Orthopaedic Surgeons annual meeting. New Orleans, LA March 9-15, 2010. (poster)
377. Newton et al. Left Thoracic Curves Are Not a Mirror Image of Right Thoracic Curves. American Academy of Orthopaedic Surgeons annual meeting. New Orleans, LA March 9-15, 2010. (podium)
378. Marks et al. Surgical Site Infection (SSI) in Spinal Surgery: The Newest “Never” Event. American Academy of Orthopaedic Surgeons annual meeting. New Orleans, LA March 9-15, 2010. (podium)
379. Yaszay et al. Does Maximizing Curve Correction of Lenke 1 Curves in AIS Risk Secondary Decomensation? American Academy of Orthopaedic Surgeons annual meeting. New Orleans, LA March 9-15, 2010. (podium)
380. Yaszay et al. A New Indication for Ponte releases in AIS. American Academy of Orthopaedic Surgeons annual meeting. New Orleans, LA March 9-15, 2010. (podium)

381. Marks et al. A more distal fusion is associated with increased motion at L4/L5: A set up for degeneration? Pediatric Orthopedic Society of North America annual meeting, Waikola, Hawaii May 4-7, 2010. (podium)
382. Shah et al. Longer Surgical Times May Increase Your Complication Rate. Pediatric Orthopedic Society of North America annual meeting, Waikola, Hawaii May 4-7, 2010. (poster)
383. Yaszay et al. Does Maximizing Curve Correction of Lenke 1 Curves in AIS Risk Secondary Decompensation? Pediatric Orthopedic Society of North America annual meeting, Waikola, Hawaii May 4-7, 2010. (podium)
384. Cahill et al. How Tall Will I Be After My Scoliosis Surgery?: A Uni- and Multi-variate Analysis of Factors Associated with Change in Height in 461 AIS Patients. International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)
385. Cahill et al. Impact of derotation maneuvers on the thoracic sagittal plane in adolescent deformity correction. International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)
386. Cahill et al. Obesity Does Not Affect Fusion Levels in Adolescent Idiopathic Scoliosis: A Matched Cohort Analysis. International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)
387. Cahill et al. Does Pedicle Screw Instrumentation Improve Trunk Shape Compared to Hybrid Techniques? International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)
388. Clements et al. The effect on pedicle screw pullout strength of optimizing pedicle fill using a tool to size and dilate the pedicle. International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (podium)
389. Letko et al. Posterior Hemivertebra/Bar Resection and Segmental Instrumentation in the Treatment of Congenital Scoliosis at the Cervicothoracic Junction. International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (podium)
390. Letko et al. Hypokyphosis/Lordosis in Lenke 1 AIS Curves: Should the Sagittal Profile Determine the Scoliosis Classification? International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)
391. Lonner et al. Body Image Disturbance Questionnaire-Scoliosis Version: Responsiveness to Change Associated with Surgical Treatment. International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (podium)
392. Lonner et al. Adolescent Idiopathic Scoliosis: Does Disease Severity Vary By Country? International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)
393. Lonner et al. Race and Adolescent Idiopathic Scoliosis: Are There Racial Differences in Deformity Characteristics and Clinical Severity Preoperatively? International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)
394. Lonner et al. Early and 1 Year Complication and Re-operation Rates in Scheuermann's Kyphosis: A Comparative Analysis to Operative Adolescent Idiopathic Scoliosis. International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)

395. Miyajiri et al. Does Statistical Significance of SRS-22 Correlate with Clinical Significance? A multi-center Longitudinal Study Evaluating the Minimal Clinically Important Difference of the SRS-22. International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)
396. Miyajiri et al. Impact of Surgical Waitlists On Scoliosis Surgery: Surgeon's Perspective. International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)
397. Newton et al. 3-Dimensional Correction of Severe Scoliosis: Should We Bring the Anterior Release Back? International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)
398. Newton et al. The 15-Year Evolution of the Thoracoscopic Anterior Release: Does it Still Have a Role? International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (podium)
399. Newton et al. Defining two components of shoulder balance: Clavicle tilt and trapezial prominence. International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)
400. Newton et al. Does More Complete Thoracic Apical Vertebral Derotation Really Help with the Rib Prominence? International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (podium)
401. Newton et al. A novel method for assessing axial plane rotation based on differential rod curvature on the lateral radiograph. International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)
402. Newton et al. Ideal rod contouring for maintaining sagittal alignment in AIS: How much to Over Bend. International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)
403. Samdani et al. Direct vertebral body derotation, thoracoplasty or both: which is better with respect to inclinometer and SRS-22 scores? International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (podium)
404. Samdani et al. Direct vertebral body derotation: how much correction of the rib hump can be expected? International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (podium)
405. Shah et al. Does Obesity Affect Sagittal Alignment in Adolescent Idiopathic Scoliosis? International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)
406. Shah et al. Rod Strength: Is it an Important Factor in Coronal and Sagittal Realignment after Surgery for Adolescent Idiopathic Scoliosis? International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (podium)
407. Yaszay et al. Adding Fusion to the Thoracic Curve in Lenke 5 Curves – Risks and Benefits. International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (podium)
408. Yaszay et al. Factors influencing fusion of the thoracic spine in thoracolumbar/lumbar curves. International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)
409. Yaszay et al. When every dose of radiation matters in the young patient: how do bending films influence surgical decision making in moderate AIS curves. International Meeting on Advanced Spine Techniques, Toronto Canada July 21-24, 2010 (poster)

410. Mulcahey et al. Cognitive Testing of the Spinal Appearance Questionnaire (SAQ) with Typically Developing Youth and Youth with Idiopathic Scoliosis. Scoliosis Research Society Annual Meeting. Kyoto Japan Sept. 22-25, 2010. (podium)
411. Cahill et al. Factors associated with loss of coronal deformity correction in patients with AIS. Scoliosis Research Society Annual Meeting. Kyoto Japan Sept. 22-25, 2010. (podium)
412. Cahill et al. Impact of derotation maneuvers on the thoracic sagittal plane in adolescent deformity correction. Scoliosis Research Society Annual Meeting. Kyoto Japan Sept. 22-25, 2010. (poster)
413. Flynn et al. Selective thoracic fusion in adolescent idiopathic scoliosis: implications of leveling of the lowest instrumented vertebra on lumbar curvature and coronal balance. Scoliosis Research Society Annual Meeting. Kyoto Japan Sept. 22-25, 2010. (podium)
414. Lonner et al. Body Image Disturbance Questionnaire-Scoliosis Version: Discriminant Validity in AIS. Scoliosis Research Society Annual Meeting. Kyoto Japan Sept. 22-25, 2010. (podium)
415. Miyanji et al. Larger Curve Magnitude is associated with Increased Perioperative Healthcare Resource Utilization: A Multi-center Analysis of 422 Adolescent Idiopathic Scoliosis Curves. Scoliosis Research Society Annual Meeting. Kyoto Japan Sept. 22-25, 2010. (podium)
416. Newton et al. Which Lenke 1A Curves Are The Greatest Risk for Adding-On... and Why? Scoliosis Research Society Annual Meeting. Kyoto Japan Sept. 22-25, 2010. (podium)
417. Newton et al. The 15-Year Evolution of the Thoracoscopic Anterior Release: Does it Still Have a Role? Scoliosis Research Society Annual Meeting. Kyoto Japan Sept. 22-25, 2010. (poster)
418. Newton et al. Defining two components of shoulder balance: Clavicle tilt and trapezial prominence. Scoliosis Research Society Annual Meeting. Kyoto Japan Sept. 22-25, 2010. (poster)
419. Samdani et al. Direct vertebral body derotation, thoracoplasty or both: which is better with respect to inclinometer and SRS-22 scores? Scoliosis Research Society Annual Meeting. Kyoto Japan Sept. 22-25, 2010. (poster)
420. Sponseller et al. Significant Differences among Patients in Lenke Curve Types. Scoliosis Research Society Annual Meeting. Kyoto Japan Sept. 22-25, 2010. (podium)
421. Sponseller et al. Do Pedicle Screws Alone Control Curves in Patients with Open Triradiate Cartilages? Scoliosis Research Society Annual Meeting. Kyoto Japan Sept. 22-25, 2010. (podium)
422. Yaszay et al. A Comparison of Perioperative and Delayed Major Complications Following 1630 AIS Procedures. Scoliosis Research Society Annual Meeting. Kyoto Japan Sept. 22-25, 2010. (podium)
423. Yaszay et al. Adding Fusion to the Thoracic Curve in Lenke 5 Curves – Risks and Benefits. Scoliosis Research Society Annual Meeting. Kyoto Japan Sept. 22-25, 2010. (podium)
424. Narayanan et al. Sensitivity of the CPCHILD Questionnaire to change following surgery for scoliosis in children with severe cerebral palsy. American Academy of Cerebral Palsy and Developmental medicine Annual Meeting. Washington, DC Sept. 22-25, 2010. (podium)

425. Lonner et al. Race and Adolescent Idiopathic Scoliosis: Are There Racial Differences in Deformity Characteristics and Clinical Severity Preoperatively? North American Spine Society Annual Meeting. Orlando, FL. October 5-10, 2010 (poster)
426. Flynn et al. What is different after surgery for AIS patients who enjoy a “minimal clinically important difference” (MCID)? American Academy of Pediatrics Annual Meeting. San Francisco, CA October 2-5, 2010. (podium)
427. Newton et al. Ideal rod contouring for maintaining sagittal alignment in AIS: How much to Over Bend. American Academy of Pediatrics Annual Meeting. San Francisco, CA October 2-5, 2010. (podium)
428. Shah et al. Does Obesity Affect Sagittal Alignment in Adolescent Idiopathic Scoliosis? American Academy of Pediatrics Annual Meeting. San Francisco, CA October 2-5, 2010. (podium)
429. Ono, Bastrom, Newton, HSG. Defining two components of shoulder balance: clavicle tilt and trapezial prominence. American Academy of Orthopaedic Surgeons annual meeting. San Diego CA Feb 16-19, 2011 (poster)
430. Sponseller, Flynn, Newton, Marks, Bastrom, Petcharaporn, Betz. Significant Differences among Patients in Lenke Curve Types. American Academy of Orthopaedic Surgeons annual meeting. San Diego CA Feb 16-19, 2011 (podium)
431. Sponseller, Newton, Lonner, Shah, Shufflebarger, Betz, Marks, Bastrom. Do pedicle screws alone control curves in patients with open triradiate cartilages? American Academy of Orthopaedic Surgeons annual meeting. San Diego CA Feb 16-19, 2011 (podium)
432. Yaszay, Schulte, Marks, Newton, Betz, Shah, Lonner, Shufflebarger, Flynn, HSG. A comparison of perioperative and delayed major complications following 1630 AIS procedures. American Academy of Orthopaedic Surgeons annual meeting. San Diego CA Feb 16-19, 2011 (poster)
433. Yaszay, Bartley, Bastrom, Newton, HSG. When every dose of radiation matters in the young patient: How do bending films influence surgical decision making in moderate AIS curves. American Academy of Orthopaedic Surgeons annual meeting. San Diego CA Feb 16-19, 2011 (poster)
434. Hwang, Samdani, Lonner, Newton, Marks, Bastrom, Betz, Cahill. Direct vertebral body derotation, thoracoplasty or both: which is better with respect to inclinometer and SRS-22 scores? American Academy of Neurosurgeons Annual Meeting. Phoenix, AZ Mar 9-11, 2011 (poster).
435. Hwang, Samdani, Lonner, Newton, Marks, Bastrom, Betz, Cahill. Direct vertebral body derotation: How much correction of the rib hump can be expected? American Academy of Neurosurgeons Annual Meeting. Phoenix, AZ Mar 9-11, 2011 (poster).
436. Hwang, Marks, Bastrom, Betz, Cahill, Samdani. Direct vertebral body derotation: A comparison of different techniques. American Academy of Neurosurgeons Annual Meeting. Phoenix, AZ Mar 9-11, 2011 (poster).
437. Miyanji, Slobogean, Verghese, Reilly, Betz, Newton. Does statistical significant of SRS-22 correlate with clinical significance? A multi-center longitudinal study evaluating the minimal clinically important difference of the SRS-22. Pediatric Orthopedic Society of North America Annual Meeting Montreal CA May 11-14, 2011. (poster).

438. Yaszay, Schulte, Marks, Newton, Betz, Shah, Lonner, Shufflebarger, Flynn, HSG. A comparison of perioperative and delayed major complication following 1630 AIS Procedures. Pediatric Orthopedic Society of North America Annual Meeting Montreal CA May 11-14, 2011. (podium)
439. Lark, Yaszay, Bastrom, Newton, HSG. Adding fusion to the thoracic curve in Lenke 5 curves – Risks and Benefits. Pediatric Orthopedic Society of North America Annual Meeting Montreal CA May 11-14, 2011. (podium)
440. Faloon, Shah, Betz, Newton, Lonner, Shufflebarger, HSG. Better clinical outcomes with all pedicle screw constructs in patients surgically treated for adolescent idiopathic scoliosis (AIS). Pediatric Orthopedic Society of North America Annual Meeting Montreal CA May 11-14, 2011. (poster).
441. Narayanan, Sponseller, Weir, Marks, Newton, HSG. Sensitivity of the CPCHILD Questionnaire to change following surgery for scoliosis in children with severe cerebral palsy. European Pediatric Orthopedic Society Annual Meeting Switzerland Apr 6-9, 2011. (podium)
442. Jahangir Asghar, Harry Shufflebarger, Tracey Bastrom, Dianna C Morales. Establishing Parameters for T12 as the Lowest Instrumented Vertebra (LIV) in Selective Thoracic Fusions. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
443. Jahangir Asghar, Tracey Bastrom, Michelle Marks, Dianna Morales, Amer Samdani, Harry Shufflebarger. Evolution of Treatment Trends in AIS Surgery Across Implant Eras: How has our practice Changed? International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
444. Jahangir Asghar, Paul Sponseller, Dianna Morales, Harry Shufflebarger. Delayed Quadraparesis After Posterior Spinal Fusion for Scoliosis: A Case Series. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
445. Bess, Shay; Yaszay, Burt; Line, Breton; Gupta, Munish C.; Schwab, Frank; Lonner, Baron S.; Lafage, Virginie; Burton, Douglas C.; Akbarnia, Behrooz A.; Boachie-Adjei, Oheneba; Hart, Robert A.; Hostin, Richard; Shaffrey, Christopher I.; Study Group International Spine. Surgical Treatment for Moderate Sized Main Thoracic Scoliosis Demonstrates Similar Acute Perioperative Outcomes for Adolescent and Adult Idiopathic Scoliosis: A Prospective, Matched Cohort Evaluation. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
446. Letko, Lynn; Ruf, Michael; Harms, Jurgen. Growth Sparing Spinal deformity surgery in Children <10 years of age. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
447. Letko, Lynn; Ruf, Michael; Harms, Jurgen. The Role of closed reduction under general anesthesia in the treatment of C1/C2 Rotatory Subluxation in Children. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (podium).
448. Lonner, Cahill, Newton, Terran, Shah, Sponseller, Shufflebarger. Sagittal Spino-Pelvic Parameters in Scheuermann's Kyphosis- A Preliminary Study. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
449. Lonner, Terran, Newton, Shah, Shufflebarger, Betz, Samdani, Sponseller, Bastrom. Is pre-op PFT assessment worthwhile in Scheuermann's Kyphosis. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).

450. Lonner, Yazsay, Terran, Newton, Shah, Sponseller, Samdani, Betz, Shufflebarger. Early and 1 Year Complication Rates in Scheuermann's Kyphosis: Are the Surgical Challenges Different from Adolescent Idiopathic Scoliosis. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
451. Lonner, Barry; Terran, Shufflebarger, Mo, Pellise, Fazal, Kim, Boachie. Adolescent Idiopathic Scoliosis: Does Disease Severity vary by country? International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
452. Marks, Bastrom, Petcharaporn, Betz, Shufflebarger, Lonner, Shah, Newton. Trunk motion improves over time after spinal fusion for AIS. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
453. Marks, Bastrom, Petcharaporn, Betz, Shufflebarger, Lonner, Shah, Newton. Post-Operative Trunk Mobility is Better With the Anterior Approach Versus Posterior in Thoracolumbar Scoliosis. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
454. Miyanji F, Marks M, Samdani A, Shufflebarger H, Suken S, Betz R, Newton P. Baseline data variability in prospective multi-center databases: how comparable is the data between different centers? International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
455. Milad Alam, Newton, Yazsay, Bastrom, HSG. Are Thoracic Curves with a Low Apex (T11 or T11/12) Really Thoracic Curves? International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
456. Satoru Demura, Peter O. Newton, Burt Yazsay, Tracey P. Bastrom, John Schlechter, and Harms Study Group. Does fusion into the upper thoracic spine cause a reduction of pulmonary function in AIS? International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
457. Carreau, Bastrom, Petcharaporn, Schulte, Marks, Newton. Reliability of SterEOS imaging Software in AIS Curves Greater than 50 Degrees. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
458. Samdani, Marks, Bastrom, Cahill, Garg, Lonner, Shah, Miyanji, Shufflebarger, Newton, Betz. Treatment of AIS with All Pedicle Screw Constructs with Minimum 5 year Follow up. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
459. Yorgova, Neiss, Curry, Winters, Gabos, Bowen, Shah. Preliminary Experience with Clinical Use of a DNA Prognostic Test for Adolescent Idiopathic Scoliosis. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (Podium).
460. Sponseller, Newton, Shah, Bastrom, Marks HSG. Radiographic Classification of Cerebral Palsy. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
461. Sponseller, Newton, Shah, Bastrom, Marks HSG. Differences Between Patients who Choose Operative versus Nonoperative Management of AIS. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (poster).
462. P. Sponseller, S. Shah, P. Newton, A. Samdani, T. Bastrom, M. Marks, HSG. Differences Between Patients with Cerebral Palsy whose Curves are treated Operatively versus Nonoperatively. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (podium).

463. Shufflebarger. Spondyloptosis, posterior approach. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (podium).
464. Shufflebarger. Solution for Late Arising Infection in Stainless Steel Spinal Implants placed for Deformity: Exchange for Titanium Implants. International Meeting on Advanced Spine Techniques, July 13-16 2011 Copenhagen, Denmark (podium).
465. Jahangir Asghar, Harry Shufflebarger, Tracey Bastrom, Dianna C Morales. Establishing Parameters for T12 as the Lowest Instrumented Vertebra (LIV) in Selective Thoracic Fusions. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (poster).
466. Jahangir Asghar, Paul Sponseller, Dianna Morales, Harry Shufflebarger. Delayed Quadraparesis After Posterior Spinal Fusion for Scoliosis: A Case Series. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (case presentation).
467. Jahangir Asghar, Amer Samdani, Peter Newton, Patrick Cahill, Joshua Pahys, Dianna Morales, Harry Shufflebarger. Proximal Junctional kyphosis at 5 yrs after Fusion for AIS: Does it matter? Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).
468. Cahill, Samdani, Pahys, Gresh, Yaszay, Marks, Bastrom, Lonner, Shah, Shufflebarger, Newton, Betz. Youth and Experience: The Effect of Surgeon Experience on Outcomes in AIS Surgery. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).
469. Abhishek R, Jain V, Crawford A. Pulmonary Function after Costoplasty in Adolescent Idiopathic Scoliosis - A multi-center study. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (poster).
470. Lonner, Terran, Newton, Shah, Shufflebarger, Betz, Samdani, Sponseller, Bastrom. Is pre-op PFT assessment worthwhile in Scheuermann's Kyphosis? Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (poster).
471. Lonner, B, Newton, P, Terran, J, Betz, R, Shah, S, Sponseller, P, Samdani, A, Shufflebarger, H. Scheuermann's Kyphosis: Impact on Quality of Life in 86 Patients. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).
472. Lonner, Terran, Newton, Shah, Samdani, Sponseller, Shufflebarger, Betz. MRI Screening in Operative Scheuermann's Kyphosis: Does it alter treatment? Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).
473. Marks, Bastrom, Petcharaporn, Betz, Shufflebarger, Lonner, Shah, Newton. Trunk motion improves over time after spinal fusion for AIS. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (poster).
474. Marks, Bastrom, Petcharaporn, Betz, Shufflebarger, Lonner, Shah, Newton. Post-Operative Trunk Mobility is Better With the Anterior Approach Versus Posterior in Thoracolumbar Scoliosis. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (poster).
475. Miyani F, Marks M, Samdani A, Newton P, and the HSG Minimally invasive surgery for AIS: a prospective comparison with standard open posterior surgery. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).

476. Narayanan, Unni G.; Sponseller, Paul; Newton, Peter O.; Marks, Michelle C., Members of the Harms Study Group. The CPCHILD questionnaire is sensitive to change following scoliosis surgery in children with cerebral palsy. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).
477. Monazzam, Newton, Bastrom, Yaszay, Harms Study Group. Multi Center Comparison of the Factors Important in Restoring Thoracic Kyphosis During Posterior Instrumentation for Adolescent Idiopathic Scoliosis. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).
478. Samdani, Garg, Cahill, Marks, Bastrom, Clements, Shah, Shufflebarger, Betz, Newton. 5 Year Results for Lenke 1/2Curves: Comparison of Anterior, Posterior Hybrid, Posterior All Pedicle Screws. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).
479. Suken A. Shah MD, Paul D. Sponseller MD, Tracey Bastrom MA, Geraldine Neiss PhD, Petya Yorgova MS, Peter O. Newton MD, Burt Yaszay MD, Peter G. Gabos MD, Kirk W. Dabney MD, Freeman Miller MD and the Harms Study Group. The Use of Antifibrinolytics Substantially Reduces Blood Loss During Surgery for Cerebral Palsy Scoliosis. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).
480. Suken A. Shah MD, Brian S. Winters MD, E. Patrick Curry MD, Petya Yorgova MS, Geraldine Neiss PhD, Alan S. Hilibrand MD, Harms Study Group. Cervical Sagittal Contour Decompensation Before and After Posterior Surgery for Adolescent Idiopathic Scoliosis. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).
481. Yorgova, Neiss, Curry, Winters, Gabos, Bowen, Shah. Preliminary Experience with Clinical Use of a DNA Prognostic Test for Adolescent Idiopathic Scoliosis. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (poster).
482. Sponseller/ Gjolaj / Shah /Newton/ Flynn / Marks /Bastrom HSG. Spinal Deformity in Marfan versus AIS: Learning from the differences. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).
483. Demura, Yaszay, Bastrom, Carreau, Newton, HSG. Is Decompensation Preoperatively a Risk in Lenke 1C Curves? Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).
484. Ilgenfritz, Yaszay, Bastrom, Newton, HSG. Lenke 1C and 5C Spinal Deformities Fused Selectively - A Natural History of Uninstrumented Compensatory Curves. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).
485. Buckwalter, Bastrom, Ilgenfritz, Yaszay, Newton, HSG. Prospective Analysis of Intraoperative Neuromonitoring Events During Spinal Corrective Surgery for Adolescent Idiopathic Scoliosis. Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).
486. Yaszay, Bastrom, Newton, HSG. Should shoulder balance determine proximal fusion levels in patients with Lenke 5 curves? Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).
487. Shufflebarger. Solution for Late Arising Infection in Stainless Steel Spinal Implants placed for Deformity: Exchange for Titanium Implants. ? Scoliosis Research Society Annual Meeting. Louisville, Kentucky Sept. 14-17, 2011 (podium).

488. Lonner, Terran, Newton, Shah, Shufflebarger, Betz, Samdani, Sponseller, Bastrom. Is pre-op PFT assessment worthwhile in Scheuermann's Kyphosis. North American Spine Society Annual Meeting. Chicago, IL Nov 1-5 2011 (poster).
489. Lonner, Yazsay, Terran, Newton, Shah, Sponseller, Samdani, Betz, Shufflebarger. Early and 1 Year Complication Rates in Scheuermann's Kyphosis: Are the Surgical Challenges Different from Adolescent Idiopathic Scoliosis. North American Spine Society Annual Meeting. Chicago, IL Nov 1-5 2011 (poster).
490. Lonner, B, Newton, P, Terran, J, Betz, R, Shah, S, Sponseller, P, Samdani, A, Shufflebarger, H. Scheuermann's Kyphosis: Impact on Quality of Life in 86 Patients American Academy of Orthopaedic Surgeons annual meeting. San Francisco, CA Feb 7-11, 2012 (podium).
491. Milad Alam, Newton, Yazsay, Bastrom, HSG. Are Thoracic Curves with a Low Apex (T11 or T11/12) Really Thoracic Curves? American Academy of Orthopaedic Surgeons annual meeting. San Francisco, CA Feb 7-11, 2012 (podium).
492. Monazzam, Newton, Bastrom, Yazsay, Harms Study Group. Multi Center Comparison of the Factors Important in Restoring Thoracic Kyphosis During Posterior Instrumentation for Adolescent Idiopathic Scoliosis. American Academy of Orthopaedic Surgeons annual meeting. San Francisco, CA Feb 7-11, 2012 (podium).
493. Satoru Demura, Peter O. Newton, Burt Yazsay, Tracey P. Bastrom, John Schlechter, and Harms Study Group. Does fusion into the upper thoracic spine cause a reduction of pulmonary function in AIS? American Academy of Orthopaedic Surgeons annual meeting. San Francisco, CA Feb 7-11, 2012 (poster).
494. Suken A. Shah MD, Paul D. Sponseller MD, Tracey Bastrom MA, Geraldine Neiss PhD, Petya Yorgova MS, Peter O. Newton MD, Burt Yazsay MD, Peter G. Gabos MD, Kirk W. Dabney MD, Freeman Miller MD and the Harms Study Group. The Use of Antifibrinolytics Substantially Reduces Blood Loss During Surgery for Cerebral Palsy Scoliosis. American Academy of Orthopaedic Surgeons annual meeting. San Francisco, CA Feb 7-11, 2012 (poster).
495. Suken A. Shah MD, Brian S. Winters MD, E. Patrick Curry MD, Petya Yorgova MS, Geraldine Neiss PhD, Alan S. Hilibrand MD, Harms Study Group. Cervical Sagittal Contour Decomensation Before and After Posterior Surgery for Adolescent Idiopathic Scoliosis. American Academy of Orthopaedic Surgeons annual meeting. San Francisco, CA Feb 7-11, 2012 (podium).
496. Yorgova, Neiss, Curry, Winters, Gabos, Bowen, Shah. Preliminary Experience with Clinical Use of a DNA Prognostic Test for Adolescent Idiopathic Scoliosis. American Academy of Orthopaedic Surgeons annual meeting. San Francisco, CA Feb 7-11, 2012 (poster).
497. Sponseller/ Gjolaj / Shah /Newton/ Flynn / Marks /Bastrom HSG. Spinal Deformity in Marfan versus AIS: Learning from the difference. American Academy of Orthopaedic Surgeons annual meeting. San Francisco, CA Feb 7-11, 2012 (poster).
498. Ilgenfritz, Yazsay, Bastrom, Newton, HSG. Lenke 1C and 5C Spinal Deformities Fused Selectively - A Natural History of Uninstrumented Compensatory Curves. American Academy of Orthopaedic Surgeons annual meeting. San Francisco, CA Feb 7-11, 2012 (podium).
499. Buckwalter, Bastrom, Ilgenfritz, Yazsay, Newton, HSG. Prospective Analysis of Intraoperative Neuromonitoring Events During Spinal Corrective Surgery for Adolescent Idiopathic Scoliosis. American Academy of Orthopaedic Surgeons annual meeting. San Francisco, CA Feb 7-11, 2012 (podium).

500. Yaszay, Bastrom, Newton, HSG. Should shoulder balance determine proximal fusion levels in patients with Lenke 5 curves? American Academy of Orthopaedic Surgeons annual meeting. San Francisco, CA Feb 7-11, 2012 (podium).
501. Sponseller/ Gjolaj / Shah /Newton/ Flynn / Marks /Bastrom HSG. Spinal Deformity in Marfan versus AIS: Learning from the differences. Pediatric Orthopedic Society of North America Annual Meeting Denver CO May 16-19, 2012. (poster).
502. Ilgenfritz, Yaszay, Bastrom, Newton, HSG. Lenke 1C and 5C Spinal Deformities Fused Selectively - A Natural History of Uninstrumented Compensatory Curves. Pediatric Orthopedic Society of North America Annual Meeting Denver CO May 16-19, 2012. (podium).
503. Yaszay, Bastrom, Newton, HSG. Should shoulder balance determine proximal fusion levels in patients with Lenke 5 curves? Pediatric Orthopedic Society of North America Annual Meeting Denver CO May 16-19, 2012. (poster).
504. Asghar, Jahangir; Shufflebarger, Harry L.; Uschold, Timothy D.; Norton, Robert P.; Solano, Rafaela. Low Pre-operative SRS-22 Scores Predict Poor Post operative Outcome in AIS. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
505. Cahill, Patrick J.; Hoashi, Jane S.; Betz, Randal R.; Bastrom, Tracey; Marks, Michelle C.; Study Group, Harms; Samdani, Amer F. Is There Any Role for the Five-Degree Rule? International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
506. Cahill, Patrick J.; Hoashi, Jane S.; Betz, Randal R.; Bastrom, Tracey; Study Group, Harms; Samdani, Amer F. Is There a "July Effect" in Surgery for Adolescent Idiopathic Scoliosis? International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
507. Cahill, Patrick J.; Lonner, Baron S.; Newton, Peter O.; Shah, Suken A.; Samdani, Amer F.; Sponseller, Paul D.; Shufflebarger, Harry L.. Sagittal Spinopelvic Parameters in Scheuermann's Kyphosis: A Preliminary Study. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (podium).
508. Trobisch, Per D.; Samdani, Amer F.; Betz, Randal R.; Bastrom, Tracey; Pahys, Joshua M.; Cahill, Patrick J. Analysis of Risk Factors for Loss of Lordosis in Patients Who Had Surgical Treatment with Segmental Instrumentation for Adolescent Idiopathic Scoliosis. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
509. Cahill, Samdani, Merenda, Costello, Santangelo, Betz, Mulcahey, HSG Spinal Appearance Questionnaire (SAQ): Lack of Surgeon Agreement on Its Intent. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
510. Cahill, Patrick J.; Samdani, Amer F.1; Garg, Hitesh; Pahys, Joshua M.; Lonner, Baron S.2; Betz, Randal R.; Study Group, Harms. Prediction of Postoperative Height Increase after Deformity Correction in Scheuermann's Kyphosis. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
511. Trobisch, Per D.; Samdani, Amer F.; Pahys, Joshua M.; Newton, Peter O.; Betz, Randal R.; Lonner, Baron S.; Cahill, Patrick J. Analysis of Pain and Function in Relation to Radiographic Parameters in Patients with Scheuermann's Kyphosis. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).

512. Letko L, Ostrowski G, Ruf M, Harms J. Sagittal and Coronal Plane Decompenation: Comparison of 52 Lenke 1 AIS Patients Treated with 2nd Generation ASF vs. PSF Techniques 2 Years Post-op. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
513. Lonner, Baron S.; Toombs, Courtney; Shah, Suken A.; Shufflebarger, Harry L.; Flynn, John M.; Newton, Peter O. Resource Utilization in AIS Surgery: Is There Opportunity for Cost-Savings? International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster)
514. Lonner, Baron S.; Toombs, Courtney; Shah, Suken A.; Bastrom, Tracey; Penn, Phedra ; Bright, Kristin; Scharf, Carrie; Roy-Beaudry, Marjolaine; Beausejour, Marie; Parent, Stefan. Validation of TAASQ, the Truncal Anterior Asymmetry Scoliosis Questionnaire. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
515. Miyanji, Firoz; Selby, Michael D.; Gupta, Sumit K.; Samdani, Amer F.; Newton, Peter O. Pre-Operative Magnetic Resonance Imaging of the Lumbar Spine in Adolescent Idiopathic Scoliosis: The Incidence of Pre-existing Degenerative Changes. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
516. Cidambi, Seki, Bartley, Petcharaporn, Yaszay, Newton. Better understanding postoperative changes in AIS using Low Dose 3D Reconstructions. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (podium).
517. Hwang, Steven W.; Samdani, Amer F.; Marks, Michelle C.; Bastrom, Tracey; Garg, Hitesh; Lonner, Baron S.; Pahys, Joshua M.; Shah, Suken A.; Miyanji, Firoz; Shufflebarger, Harry L.; Newton, Peter O.; Betz, Randal R. Outcomes of Adolescent Idiopathic Scoliosis Using Pedicle Screw Only Constructs with a Minimum of 5 Years of Follow-up. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
518. Shah, Suken A.; Marks, Michelle C.; Petcharaporn, Maty; Lonner, Baron S.; Newton, Peter O.; Study Group, Harms. Towards Quality and Safety in Spinal Deformity Surgery: Use of a Multicenter Database Registry for Quality Improvement. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
519. Shah, Suken A.; Bastrom, Tracey; Lonner, Baron S.; Yaszay, Burt; Newton, Peter O.; Study Group, Harms. Do Pedicle Screws Really Save a Level in AIS? An Analysis of the Contemporary Surgical Treatment of Lenke 1 Curves and the Trend to Fuse More Proximal Level. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
520. Kadhim, Muayad; Shah, Suken A.; Lonner, Baron S.; Shufflebarger, Harry L.; Sponseller, Paul D.; Newton, Peter O.; Study Group, Harms. Guidelines for Choosing the Lower Instrumented Vertebra in Scheuermann's Kyphosis: Revisited, International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (podium).
521. Mark J. McElroy, MS, Paul D. Sponseller, MS, Sara K. Fuhrhop, BS, Colin J. Russell, Peter O. Newton, MD, Michelle C. Marks, PT, MA, James O. Sanders, MD, Muharrem Yazici, MD, Jeff B. Pawelek, BS, Behrooz Akbarnia, MD, Harms Study Group, Growing Spine Study Group. Operative Idiopathic Early Onset Scoliosis and AIS Curves Have Different Characteristics. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
522. Yaszay, Burt; Asghar, Jahangir; Bastrom, Tracey; Samdani, Amer F.; Sturm, Peter; Betz, Randal R.; Shufflebarger, Harry L.; Newton, Peter O.; Study Group, Harms. Determining Optimal Post-operative

- Coronal Parameters for Selective Thoracic Fusion. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
523. Yaszay, Burt; Bastrom, Tracey; Bartley, Carrie E.; Newton, Peter O.; Study Group, Harms. In Mature Patients with Primary Thoracolumbar AIS, Does the 50 Degree Operative Threshold Apply? International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
524. Yaszay, Burt; Bastrom, Tracey; Bartley, Carrie E.; Marks, Michelle C.; Newton, Peter O.; Study Group, Harms. SRS Outcome Scores are Sensitive to Both the Occurrence and Resolution of a Complication in the Surgical Treatment of AIS. International Meeting on Advanced Spine Techniques, July 18-21, 2012 Istanbul, Turkey (poster).
525. Asghar, Jahangir¹; Shufflebarger, Harry L.¹; Norton, Robert P.¹; Solano, Rafaela¹. Criteria for Determining LIV in Lenke 6C Curves: Suk Criteria vs. the End Vertebrae. Scoliosis Research Society Annual Meeting. Chicago, IL Sept. 5-8, 2012 (podium).
526. Schulz, Jacob¹; Asghar, Jahangir²; Bastrom, Tracey¹; Shufflebarger, Harry L.²; Newton, Peter O.¹; Yaszay, Burt¹; Study Group, Harms³. Selective Thoracic Fusion in Adolescent Idiopathic Scoliosis Curves with a Lumbar modifier: Which Rules Can be Broken? Scoliosis Research Society Annual Meeting. Chicago, IL Sept. 5-8, 2012 (podium).
527. Bastrom, Tracey; Marks, Michelle C.; Yaszay, Burt; Newton, Peter O.; Study Group, Harms. The Prevalence of Postoperative Pain in Adolescent Idiopathic Scoliosis and the Association with Preoperative Pain. Scoliosis Research Society Annual Meeting. Chicago, IL Sept. 5-8, 2012 (podium).
528. Cahill, Patrick J.; Hoashi, Jane S.; Betz, Randal R.; Bastrom, Tracey; Marks, Michelle C.; Study Group, Harms²; Samdani, Amer F. Is There Any Role for the Five-Degree Rule? Scoliosis Research Society Annual Meeting. Chicago, IL Sept. 5-8, 2012 (poster).
529. Clements, David H.; Betz, Randal R.; Newton, Peter O.; Lenke, Lawrence G.; Marks, Michelle C.; Bastrom, Tracey; Study Group, Harms. Does Following the Lenke Classification Treatment Algorithm Improve Outcomes? Scoliosis Research Society Annual Meeting. Chicago, IL Sept. 5-8, 2012 (podium).
530. Lonner, Baron S.; Toombs, Courtney; Shah, Suken A.; Bastrom, Tracey; Penn, Phedra; Bright, Kristin; Scharf, Carrie; Roy-Beaudry, Marjolaine; Beausejour, Marie; Parent, Stefan. Validation of TAASQ, the Truncal Anterior Asymmetry Scoliosis Questionnaire. Scoliosis Research Society Annual Meeting. Chicago, IL Sept. 5-8, 2012 (poster).
531. Marks, Michelle C.; Bastrom, Tracey; Petcharaporn, Maty; Shah, Suken A.; Samdani, Amer F.; Lonner, Baron S.; Miyanji, Firoz; Newton, Peter O. Motion of the unfused lumbar segments remains increased up to 6 years after fusion for AIS. Scoliosis Research Society Annual Meeting. Chicago, IL Sept. 5-8, 2012 (podium).
532. Miyanji, Firoz; Samdani, Amer F.; Sturm, Peter; Shah, Suken A.; Sponseller, Paul D.; Newton, Peter O. Hip Subluxation, Pelvic Obliquity, and Scoliosis in the CP population: A Random Triad or a Predictable Relationship? Scoliosis Research Society Annual Meeting. Chicago, IL Sept. 5-8, 2012 (podium).
533. Cidambi, Krishna; Bastrom, Tracey; Bartley, Carrie E.; Clements, David H.; Betz, Randal R.; Lenke, Lawrence G.; Newton, Peter O.; Study Group, Harms. Surgical Treatment of Main Thoracic Adolescent Idiopathic Scoliosis: A Prospective Ten-Year Follow-up Study. Scoliosis Research Society Annual Meeting. Chicago, IL Sept. 5-8, 2012 (podium).

534. Parent, Stefan; Roy-Beaudry, Marjolaine; Rouissi, Jihane; Mac-Thiong, Jean-Marc; Aubin, Carl-Éric; Newton, Peter O.; Shah, Suken A.; Labelle, Hubert. Surgical correction of Lenke 1A curves: What are the changes taking place in 3D? Scoliosis Research Society Annual Meeting. Chicago, IL Sept. 5-8, 2012 (podium).
535. Samdani, Amer F.; Asghar, Jahangir; Miyanji, Firoz; Marks, Michelle C.; Hoashi, Jane S.; Lonner, Baron S.; Cahill, Patrick J.; Pahys, Joshua M.; Newton, Peter O.; Betz, Randal. Recurrence of Rib Prominence Following AIS Surgery with Pedicle Screws and Direct Vertebral Body Derotation. Scoliosis Research Society Annual Meeting. Chicago, IL Sept. 5-8, 2012 (podium).
536. Samdani, Amer F.; Belin, Eric J.1; Pahys, Joshua M.; Miyanji, Firoz; Cahill, Patrick J.; Shufflebarger, Harry L.; Lonner, Baron S.; Newton, Peter O.; Betz, Randal R. Unplanned Return to the Operating Room in Patients with AIS: Are We Doing Better with Pedicle Screws than with Hybrid Constructs? Scoliosis Research Society Annual Meeting. Chicago, IL Sept. 5-8, 2012 (podium).
537. Samdani, Amer F.; Belin, Eric J.; Miyanji, Firoz; Pahys, Joshua M; Shah, Suken A.; Newton, Peter O.; Betz, Randal R.; Sponseller, Paul D. Major Perioperative Complications after Surgery for Cerebral Palsy: Assessment of Risk Factors. Scoliosis Research Society Annual Meeting. Chicago, IL Sept. 5-8, 2012 (podium).
538. Sponseller, Paul D.1; Shah, Suken A.2; Samdani, Amer F.3; Yaszay, Burt4; Newton, Peter O.4; Thaxton, Leslie M.1; Bastrom, Tracey4; Marks, Michelle C.4. Wound infections after Spine Deformity Correction Cerebral Palsy: Risk factors. Scoliosis Research Society Annual Meeting. Chicago, IL Sept. 5-8, 2012 (podium).
539. Asghar, Jahangir; Shufflebarger, Harry L.; Norton, Robert P.; Solano, Rafaela. Criteria for Determining LIV in Lenke 6C Curves: Suk Criteria vs. the End Vertebrae. Scoliosis Research Society Annual Meeting. Chicago, IL Sept. 5-8, 2012 (podium).
540. Trobisch, P; Samdani, A; Pahys J; Betz R; Lonner B; Cahill P. Analysis of Pain and Function in Relation to Radiographic Parameters in Patients with Scheuermann's Kyphosis. Deutscher Kongress für Orthopädie and Unfallchirurgie Berlin, Germany. October 23-26, 2012 (podium).
541. Trobisch, P, Samdani A, Betz R, Bastrom T, Pahys J, Cahill P. Risk factors for loss of lumbar lordosis in patients who had surgical treatment for adolescent idiopathic scoliosis. 7th German Spine Conference. Annual Meeting of the German Spine Society 6th to 8th December 2012, Stuttgart, Germany.
542. Bennett, Samdani, Belin, Pahys, Marks, Miyanji, Cahill, Shufflebarger, Lonner, Newton, Betz. Unplanned Return to the Operating Room in Patients with AIS: Are We Doing Better with Pedicle Screws? AANS, April 27-May 1, 2012 New Orleans, LA (podium).
543. Marks, Michelle C.; Bastrom, Tracey; Petcharaporn, Maty; Shah, Suken A.; Samdani, Amer F.; Lonner, Baron S.; Miyanji, Firoz; Newton, Peter O. Motion of the unfused lumbar segments remains increased up to 6 years after fusion for AIS. American Academy of Orthopedic Surgeons Annual Meeting. Chicago, IL March 19-22, 2013 (podium).
544. Cidambi, Krishna; Bastrom, Tracey; Bartley, Carrie E.; Clements, David H.; Betz, Randal R.; Lenke, Lawrence G.; Newton, Peter O.; Study Group, Harms. Surgical Treatment of Main Thoracic Adolescent Idiopathic Scoliosis: A Prospective Ten-Year Follow-up Study. American Academy of Orthopedic Surgeons Annual Meeting. Chicago, IL March 19-22, 2013 (poster).

545. Cidambi, Seki, Bartley, Petcharaporn, Yaszay, Newton. Better understanding postoperative changes in AIS using Low Dose 3D Reconstructions. American Academy of Orthopedic Surgeons Annual Meeting. Chicago, IL March 19-22, 2013 (podium).
546. Shah, Suken A.; Marks, Michelle C.; Petcharaporn, Maty; Lonner, Baron S.; Newton, Peter O.2; Study Group, Harms. Towards Quality and Safety in Spinal Deformity Surgery: Use of a Multicenter Database Registry for Quality Improvement. American Academy of Orthopedic Surgeons Annual Meeting. Chicago, IL March 19-22, 2013 (podium).
547. Mark J. McElroy, MS, Paul D. Sponseller, MS, Sara K. Fuhrhop, BS, Colin J. Russell, Peter O. Newton, MD, Michelle C. Marks, PT, MA, James O. Sanders, MD, Muharrem Yazici, MD, Jeff B. Pawelek, BS, Behrooz Akbarnia, MD, Harms Study Group, Growing Spine Study Group. Operative Idiopathic Early Onset Scoliosis and AIS Curves Have Different Characteristics. American Academy of Orthopedic Surgeons Annual Meeting. Chicago, IL March 19-22, 2013 (poster).
548. Yaszay, Burt; Asghar, Jahangir; Bastrom, Tracey; Samdani, Amer F.; Sturm, Peter; Betz, Randal R.; Shufflebarger, Harry L.; Newton, Peter O.; Study Group, Harms. Determining Optimal Post-operative Coronal Parameters for Selective Thoracic Fusion. American Academy of Orthopedic Surgeons Annual Meeting. Chicago, IL March 19-22, 2013 (poster).
549. Yaszay, Burt; Bastrom, Tracey; Bartley, Carrie E.; Newton, Peter O.; Study Group, Harms. In Mature Patients with Primary Thoracolumbar AIS, Does the 50 Degree Operative Threshold Apply American Academy of Orthopedic Surgeons Annual Meeting. Chicago, IL March 19-22, 2013 (poster).
550. Schulz, Jacob¹; Asghar, Jahangir²; Bastrom, Tracey¹; Shufflebarger, Harry L.²; Newton, Peter O.¹; Yaszay, Burt¹; Study Group, Harms³. Selective Thoracic Fusion in Adolescent Idiopathic Scoliosis Curves with a Lumbar modifier: Which Rules Can be Broken? Pediatric Orthopedic Society of North America Annual Meeting Toronto, Ontario May 1-4, 2013 (podium).
551. Mijanji, Firoz; Samdani, Amer F.; Sturm, Peter; Shah, Suken A.; Sponseller, Paul D.; Newton, Peter O. Hip Subluxation, Pelvic Obliquity, and Scoliosis in the CP population: A Random Triad or a Predictable Relationship? Pediatric Orthopedic Society of North America Annual Meeting Toronto, Ontario May 1-4, 2013 (podium).
552. Yaszay, Burt; Asghar, Jahangir; Bastrom, Tracey; Samdani, Amer F.; Sturm, Peter; Betz, Randal R.; Shufflebarger, Harry L.; Newton, Peter O.; Study Group, Harms. Determining Optimal Post-operative Coronal Parameters for Selective Thoracic Fusion. Pediatric Orthopedic Society of North America Annual Meeting Toronto, Ontario May 1-4, 2013 (podium).
553. Asghar, Samdani, Yaszay, Pahys, Shufflebarger, Sponseller. A Prospective Analysis of Sitting Tolerance in Scoliosis secondary to Cerebral Palsy: Non-operative vs Operative. International Meeting on Advanced Spine Techniques, July 11-13, 2013 Vancouver, Canada (poster).
554. Asghar, Samdani, Shufflebarger, Yaszay, Sponseller. Single Stage Temporary Internal Distraction for the Correction of Pelvic Obliquity. International Meeting on Advanced Spine Techniques, July 11-13, 2013 Vancouver, Canada (podium).
555. Lonner, Baron S.; Toombs, Courtney; Guss, Michael; Braaksma, Brian; Shah, Suken A.; Samdani, Amer F.; Shufflebarger, Harry L.; Sponseller, Paul D.; Newton, Peter O. Complications in Operative Scheuermann's Kyphosis: Do the Pitfalls Differ from Operative Adolescent Idiopathic Scoliosis? International Meeting on Advanced Spine Techniques, July 11-13, 2013 Vancouver, Canada (podium).

556. Scannell, Newton, Yaszay, Shah, Sponseller, Miyajni, Abel, Shufflebarger, HSG. Variations in Perioperative Care of Children with Cerebral Palsy Undergoing Surgery for Scoliosis: A Multi-center Comparison of the Drivers of Cost and Outcome. International Meeting on Advanced Spine Techniques, July 11-13, 2013 Vancouver, Canada (poster).
557. Bartley, Bastrom, Newton. Blood Loss Reduced During Surgical Correction of AIS with an Ultrasonic Bone Scalpel. International Meeting on Advanced Spine Techniques, July 11-13, 2013 Vancouver, Canada (poster).
558. Pahys, Joshua M.; Cahill, Patrick J.; Asghar, Jahangir; Betz, Randal R.; Study Group, Harms; Samdani, Amer F. Does Size Matter? Comparison of 6.35 mm vs. 5.5 mm Diameter Rods for Posterior Spinal Fusion in Adolescent Idiopathic Scoliosis. International Meeting on Advanced Spine Techniques, July 11-13, 2013 Vancouver, Canada (poster).
559. Singla, Anuj; Samdani, Amer F.; Sponseller, Paul D.; Bennett, James T.; Pahys, Joshua M.; Marks, Michelle C.; Lonner, Baron S.; Newton, Peter O.; Miyajni, Firoz; Betz, Randal R.; Cahill, Patrick J. Selective Thoracic vs. Non-Selective Fusion in Lenke 3 Curves. International Meeting on Advanced Spine Techniques, July 11-13, 2013 Vancouver, Canada (podium).
560. Yaszay, Sponseller, Shah, Samdani, Miyajni, Asghar, Newton, HSG. Should Cerebral Palsy Patients Undergo Scoliosis Deformity Correction in the Winter Months? International Meeting on Advanced Spine Techniques, July 11-13, 2013 Vancouver, Canada (poster).
561. Yaszay, Bomar, Sponseller, Shah, Asghar, Samdani, Bastrom Newton, HSG. While Inconvenient, Baclofen Pumps Do Not Complicate Scoliosis Surgery in CP Patients. International Meeting on Advanced Spine Techniques, July 11-13, 2013 Vancouver, Canada (poster).
562. Jahangir Asghar, Harry Shufflebarger. Treating Late Infection following Posterior Spinal Fusion in AIS with Primary Implant Exchange. Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (poster).
563. Jahangir Asghar, Harry Shufflebarger, Amer Samdani, Josh Pahys, Burt Yaszay. Distal Adding On in Lenke 1 and 2 Curves: What happens at 5 years? Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (podium).
564. Trobisch, Per D.; Cahill, Patrick J.; Samdani, Amer F.; Study Group, Harms; Betz, Randal R.; Asghar, Jahangir. Sagittal Balance and Compensatory Mechanism after Segmental Instrumentation for Adolescent Idiopathic Scoliosis. Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (poster).
565. Clements, David H.; Betz, Randal R.; Newton, Peter O.; Miyajni, Firoz; Marks, Michelle C.; Bastrom, Tracey; Study Group, Harms. Does Operative Care of Adolescent Idiopathic Scoliosis Improve Outcomes Compared to Nonoperative Treatment? Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (podium).
566. Lonner, Baron S.; Toombs, Courtney; Shah, Suken A.; Samdani, Amer F.; Newton, Peter O. Pulmonary Function Changes Maintained Following Surgery for Scheuermann's Kyphosis. Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (podium).
567. Lonner, Baron S.; Toombs, Courtney; Shah, Suken A.; Samdani, Amer F.; Cahill, Patrick J.; Shufflebarger, Harry L.; Yaszay, Burt; Sponseller, Paul D.; Newton, Peter O. Quality of Life Improvement Following Surgery for Scheuermann's Kyphosis Compared to Adolescent Idiopathic Scoliosis. Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (podium).

568. Lonner, Baron S.; Toombs, Courtney; Shah, Suken A.; Bastrom, Tracey; Penn, Phedra ; Bright, Kristin; Scharf Stern, Carrie; Roy-Beaudry, Marjolain⁵; Beausejour, Marie; Parent, Stefan. What an AIS Patient Sees in the Mirror: Validation of the Truncal Anterior Asymmetry Scoliosis Questionnaire (TAASQ). Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (podium).
569. Marks, Michelle C.; Bastrom, Tracey; Petcharaporn, Maty; Shah, Suken A.; Samdani, Amer F.; Betz, Randal R.; Lonner, Baron S.; Miyanji, Firoz; Newton, Peter O. The Effect of Time and Fusion Length on Motion of the Un-fused Lumbar Segments in Adolescent Idiopathic Scoliosis. Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (podium).
570. F. Miyanji, T. Bastrom, A. Samdani, B. Yazsay, D. Clements, S. Shah, M. Marks, R. Betz, H. Shufflebarger, P. Newton. The Impact of Prolonged Surgical wait times on AIS: What complications can be expected? Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (podium).
571. Scannell, Newton, Yazsay, Shah, Sponseller, Miyanji, Abel, Shufflebarger, HSG. Variations in Perioperative Care of Children with Cerebral Palsy Undergoing Surgery for Scoliosis: A Multi-center Comparison of the Drivers of Cost and Outcome. Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (poster).
572. Bartley, Bastrom, Newton. Blood Loss Reduced During Surgical Correction of AIS with an Ultrasonic Bone Scalpel. Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (poster).
573. Pahys, Joshua M.; Samdani, Amer F.; Cahill, Patrick J.; Study Group, Harms; Betz, Randal R. Does Postoperative Shoulder Imbalance Lead to Adding On in Posterior Spinal Fusion for Lenke 1A and 1B Curves? Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (podium).
574. Pahys, Joshua M.; Cahill, Patrick J.; Asghar, Jahangir; Betz, Randal R.; Study Group, Harms; Samdani, Amer F. Does Size Matter? Comparison of 6.35 mm vs. 5.5 mm Diameter Rods for Posterior Spinal Fusion in Adolescent Idiopathic Scoliosis. Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (poster).
575. Singla, Anuj; Samdani, Amer F.; Flynn, John M.; Bennett, James T.; Miyanji, Firoz; Pahys, Joshua M.; Marks, Michelle C.; Lonner, Baron S.; Newton, Peter O; Cahill, Patrick J.; Betz, Randal R. What is Different About Surgically Treated AIS Patients Who Achieve a Minimal Clinically Important Difference (MCID) in Appearance at 5 Years Post Surgery? Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (podium).
576. Shah S, Sponseller P, Abel M, Newton P, Yazsay B, Miyanji F, Samdani A and the Harms Study Group. A prospective multicenter study of neuromonitoring for cerebral palsy scoliosis: the high rate of alerts and recovery of changes. Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (podium).
577. Paul Sponseller, Suken Shah, Burt Yazsay, Peter Newton, Mark Abel, Tracey Bastrom, Michelle Marks, Amer Samdani, Pat Cahill. Proximal Junctional Kyphosis in Cerebral Palsy. Risk factors and Guidelines. Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (podium).
578. Yazsay, Sponseller, Shah, Samdani, Miyanji, Asghar, Newton, HSG. Should Cerebral Palsy Patients Undergo Scoliosis Deformity Correction in the Winter Months? Scoliosis Research Society Annual Meeting. Lyon, France Sept. 18-21, 2013 (poster).
579. Lonner, Baron S.; Toombs, Courtney; Guss, Michael; Braaksma, Brian; Shah, Suken A.; Samdani, Amer F.; Shufflebarger, Harry L.; Sponseller, Paul D.; Newton, Peter O. Complications in Operative Scheuermann's

Kyphosis: Do the Pitfalls Differ from Operative Adolescent Idiopathic Scoliosis? North American Spine Society Annual Meeting, Dallas, TX October 24-27, 2012 (podium).

580. Lonner, Baron S.; Toombs, Courtney; Parent, Stefan; Shah, Suken A.; Lenke, Lawrence G.; Sucato, Daniel J.; Haber, Lawrence L.; Clements, David H.; Newton, Peter O. Anterior Release: Is it Obsolete or Does it Play a Role in Contemporary AIS surgery? North American Spine Society Annual Meeting, Dallas, TX October 24-27, 2012 (podium).
581. Lonner, Baron S.; Toombs, Courtney; Shah, Suken A.; Bastrom, Tracey; Penn, Phedra ; Bright, Kristin; Scharf Stern, Carrie; Roy-Beaudry, Marjolain; Beausejour, Marie; Parent, Stefan. What an AIS Patient Sees in the Mirror: Validation of the Truncal Anterior Asymmetry Scoliosis Questionnaire (TAASQ). American Academy of Orthopedic Surgeons Annual Meeting. New Orleans, LA March 11-15, 2014 (poster).
582. Marks, Michelle C.; Bastrom, Tracey; Petcharaporn, Maty; Shah, Suken A.; Samdani, Amer F.; Betz, Randal R.; Lonner, Baron S.; Miyanji, Firoz; Newton, Peter O. The Effect of Time and Fusion Length on Motion of the Un-fused Lumbar Segments in Adolescent Idiopathic Scoliosis. American Academy of Orthopedic Surgeons Annual Meeting. New Orleans, LA March 11-15, 2014 (poster).
583. Scannell, Newton, Yaszay, Shah, Sponseller, Miyanji, Abel, Shufflebarger, HSG. Variations in Perioperative Care of Children with Cerebral Palsy Undergoing Surgery for Scoliosis: A Multi-center Comparison of the Drivers of Cost and Outcome. American Academy of Orthopedic Surgeons Annual Meeting. New Orleans, LA March 11-15, 2014 (poster).
584. Yaszay, Sponseller, Shah, Samdani, Miyanji, Asghar, Newton, HSG. Should Cerebral Palsy Patients Undergo Scoliosis Deformity Correction in the Winter Months? American Academy of Orthopedic Surgeons Annual Meeting. New Orleans, LA March 11-15, 2014 (poster).
585. Yaszay, Bomar, Sponseller, Shah, Asghar, Samdani, Bastrom Newton, HSG. While Inconvenient, Baclofen Pumps Do Not Complicate Scoliosis Surgery in CP Patients. American Academy of Orthopedic Surgeons Annual Meeting. New Orleans, LA March 11-15, 2014 (podium).
586. Fujimori, Bastrom, Bartley, Newton, HSG. Comparison of Typical Thoracic Curves and Atypical Thoracic Curves within the Lenke Classification. American Academy of Orthopedic Surgeons Annual Meeting. New Orleans, LA March 11-15, 2014 (podium).
587. Marks, Michelle C.; Bastrom, Tracey; Petcharaporn, Maty; Shah, Suken A.; Samdani, Amer F.; Betz, Randal R.; Lonner, Baron S.; Miyanji, Firoz; Newton, Peter O. The Effect of Time and Fusion Length on Motion of the Un-fused Lumbar Segments in Adolescent Idiopathic Scoliosis. Pediatric Orthopedic Society of North America Annual Meeting Hollywood, CA May 1-3, 2014 (podium).
588. Scannell, Newton, Yaszay, Shah, Sponseller, Miyanji, Abel, Shufflebarger, HSG. Variations in Perioperative Care of Children with Cerebral Palsy Undergoing Surgery for Scoliosis: A Multi-center Comparison of the Drivers of Cost and Outcome. Pediatric Orthopedic Society of North America Annual Meeting Hollywood, CA May 1-3, 2014 (poster).
589. Shah S, Sponseller P, Abel M, Newton P, Yaszay B, Miyanji F, Samdani A and the Harms Study Group. A prospective multicenter study of neuromonitoring for cerebral palsy scoliosis: the high rate of alerts and recovery of changes. Pediatric Orthopedic Society of North America Annual Meeting Hollywood, CA May 1-3, 2014 (podium).

590. Dzulkarnain Amir, Yaszay, Bartley, Bastrom, Newton. Does Leveling the Upper Thoracic Spine Have Any Impact on Post-operative Clinical Shoulder Balance in Lenke 1 and 2 Patients? Pediatric Orthopedic Society of North America Annual Meeting Hollywood, CA May 1-3, 2014 (podium).
591. Kempainen, Yaszay, Cidambi, Reighard, Bastrom, Newton. Does Apical Vertebral Body Derotation Result in Equal Improvement in Thoracic and Lumbar Scoliometer Readings? – A 3D Analysis of Axial Trunk Deformity in AIS. Pediatric Orthopedic Society of North America Annual Meeting Hollywood, CA May 1-3, 2014 (poster).
592. Pawelek, Yaszay, Nguyen, Newton, Mundis, Akbaria, Harms Study Group, Growing Spine Study Group. Case-Matched Comparison Of Spinal Fusion Versus Growing Rods For The Surgical Treatment Of Progressive Idiopathic Scoliosis In Skeletally Immature Patients. Pediatric Orthopedic Society of North America Annual Meeting Hollywood, CA May 1-3, 2014 (podium).
593. Newton, Fujimori, Doan, Reighard, Glaser, Misaghi. Smoke, Mirrors And 3d Analysis—The Truth About The “Hypokyphosing Effect Of Pedicle Screws” In AIS. Pediatric Orthopedic Society of North America Annual Meeting Hollywood, CA May 1-3, 2014 (podium).
594. Kempainen, Yaszay, Cidambi, Reighard, Bastrom, Newton. Does Apical Vertebral Body Derotation Result in Equal Improvement in Thoracic and Lumbar Scoliometer Readings? – A 3D Analysis of Axial Trunk Deformity in AIS. Pediatric Orthopedic Society of North America Annual Meeting Hollywood, CA May 1-3, 2014 (poster).
595. Asghar, Pahys, Samdani, Miyanji, Yaszay, Shufflebarger. IONM Alerts during surgery for AIS: Triggering events & the surgeon's response. International Meeting on Advanced Spine Techniques, July 17-19, 2014 Valencia, Spain (podium).
596. Asghar, Shah, Lehman, Lenke, Newton, Pahys, Yaszay, Miyanji, Samdani, Shufflebarger. The Use of Ponte Osteotomies (PO) in AIS: Are they safe? International Meeting on Advanced Spine Techniques, July 17-19, 2014 Valencia, Spain (poster).
597. Asghar, Lehman, Sucato, Shufflebarger, Lenke. Variations in Pedicle Screw Insertion Technique: A Survey of Spinal Deformity Surgeons. International Meeting on Advanced Spine Techniques, July 17-19, 2014 Valencia, Spain (poster).
598. Lonner, Marks, Bastrom, Newton, Betz, Samdani, Lefton, Chen. Radiographic markers of disc degeneration following surgery for adolescent idiopathic scoliosis: a ten year follow-up evaluation. International Meeting on Advanced Spine Techniques, July 17-19, 2014 Valencia, Spain (podium).
599. Lonner, Newton, Shah, Samdani, Shufflebarger, Asghar, Sponseller, Betz, Ren, Yaszay. Risk Factors of Proximal Junctional Kyphosis in Adolescent Idiopathic Scoliosis- The Pelvis and Other Considerations. International Meeting on Advanced Spine Techniques, July 17-19, 2014 Valencia, Spain (podium).
600. Miyanji, Bastrom, Samdani, Yaszay, Asghar, Shah, Betz, Shufflebarger, Newton. The Optimal surgical approach for Lenke 5 curves: Is the Anterior approach Ready for a Comeback? International Meeting on Advanced Spine Techniques, July 17-19, 2014 Valencia, Spain (podium).
601. Marks, Bastrom, Petcharaporn, Shah, Samdani, Betz, Lonner, Miyanji, Newton. The motion sparing benefits of selective thoracic fusion for adolescent idiopathic scoliosis. International Meeting on Advanced Spine Techniques, July 17-19, 2014 Valencia, Spain (podium).
602. Newton, Osborn, Doan, Bastrom, Reighard. The "3D Sagittal Profile" in AIS: Loss of Thoracic Kyphosis Revealed. International Meeting on Advanced Spine Techniques, July 17-19, 2014 Valencia, Spain (podium).

603. Samdani, Bennett, Singla, Miyanji, Lonner, Shah, Shufflebarger, Asghar, Pahys, Marks, Newton, Betz, Cahill. Do Ponte Osteotomies Enhance Correction in AIS?: An Analysis of 191 Lenke 1A and 1B Curves. International Meeting on Advanced Spine Techniques, July 17-19, 2014 Valencia, Spain (podium).
604. Verma, Shah, Neiss, Yorgova, lau, Miyanji, Newton, Yaszay, Petcharaporn, Bastrom, Sponseller. Restoring Sagittal Balance Improves Clinical Outcomes For Non-Ambulatory Cerebral Palsy Patients with Spinal Deformity. International Meeting on Advanced Spine Techniques, July 17-19, 2014 Valencia, Spain (podium).
605. Pawelek, Yaszay, Nguyen, Newton, Mundis, Akbarnia, HSG, GSSG. Case-Matched Comparison of Spinal Fusion Versus Growing Rods for Progressive Idiopathic Scoliosis in Skeletally Immature Patients. International Meeting on Advanced Spine Techniques, July 17-19, 2014 Valencia, Spain (podium).
606. Asghar, Marks, Lehman, Newton, Petcharaporn, Bastrom, Samdani, Shufflebarger. An Increasing Risk of Late Onset Infection in the Years After AIS Surgery. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (poster).
607. Asghar, Pahys, Cahill, Samdani, Shufflebarger. Malignant Hyperthermia during scoliosis surgery: A sentinel, near fatal event. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (podium).
608. Cahill, Carroll, Pahys, Hayes, Betz. Goals and indications for surgery in severe pediatric scoliosis related to cerebral palsy. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (poster).
609. Lehman, Shufflebarger, Marks, Flynn, Newton. Implementing a Dashboard Reporting Tool Improves Surgeon Performance and Patient Outcomes. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (podium).
610. Lenke, Newton, Lehman, Kelly, Clements, Errico, Samdani, Betz, Blanke, HSG. Radiographic Results of selecting the Touched Vertebra as the Lowest Instrumented Vertebra in Lenke 1A AIS Curves at a minimum 5 Year F/U. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (podium).
611. Lonner, Shah, Newton, Yaszay, Ren. Operative Efficiency in Adolescent Idiopathic Scoliosis Surgery. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (poster).
612. Bastrom, Bartley, Marks, Yaszay, Newton, HSG. Post-Operative Perfection: Ceiling Effects and Lack of Discrimination with Both SRS-22 and 24 In Adolescent Idiopathic Scoliosis Patients. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (podium).
613. Newton, Fujimori, Doan, Reighard, Glaser, Misaghi. 3D Analysis—The Truth About the “Hypokyphosing Effect of Pedicle Screws” in AIS. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (podium).
614. Parent, Labelle, Mac-Thiong, Betz, Samdani, Shufflebarger, Clements, Shah, Lonner, Newton. Characteristics of Patients with AIS at the Lower and Upper Curve Severity Ranges: Implications for Outcomes. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (poster).
615. Samdani, Ames, Bastrom, Miyanji, Pahys, Marks, Lonner, Newton, Shufflebarger, Betz, Cahill. What is different about patients with Lenke 5 curves who achieve a minimal clinically important difference (MCID) in appearance? Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (podium).

616. Nishnianidze, Rogers, Pruszczynski, Yorgova, Lonner, Shah. Higher Implant Density Does Not Result in Increased Curve Correction or Improved Clinical Outcomes in Adolescent Idiopathic Scoliosis. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (podium).
617. Lau, Verma, Neiss, Yorgova, Shah. Restoration of Kyphosis and Thoracic Symmetry: Does it improve Pulmonary Function in AIS? Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (poster).
618. Shah et al. Perioperative Use of Adjunctive Medications for Pain Management Improves Outcomes After Posterior Spinal Fusion For AIS. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (podium).
619. Schoenleber, Shufflebarger, Asghar, Bastrom, HSG. Are S1 screws a useful adjunct to iliac screws in long paralytic fusions to the sacrum. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (podium).
620. Jain, Sponseller, Negrini, Newton, Bastrom, Marks, HSG. SRS7: A Valid, Reliable, Responsive, and Unidimensional Functional Outcome Measure for Operatively Treated Patients With AIS. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (podium).
621. Modhia, Shah, Newton, Marks, Bastrom, Miyanji, Jain, Sponseller. Long-term Follow up of Deep SSI after Spinal Fusion in Cerebral palsy: Recurrence Rare, but Lower HRQOL. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (poster).
622. Phillips, Yaszay, Bastrom, Shah, Lonner, Miyanji, Samdani, Parent, Asghar, Cahill, Newton. Factors Predicting When L3 is Not Distal Enough for an “Ideal” Result in Lenke 5 Curves. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (podium).
623. Yaszay, Bastrom, Bartley, Parent, Newton. The Effects of the Three-Dimensional Deformity of Adolescent Idiopathic Scoliosis on Pulmonary Function. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (podium).
624. Yaszay, Sponseller, Shah, Asghar, Miyanji, Samdani, Bartley, Newton. Performing a Definitive Fusion in Juvenile CP Patients is a Good Surgical Option. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (poster).
625. Hollenbeck, Yaszay, Sponseller, Shah, Asghar, Abel, Miyanji, Newton. The Pros and Cons of Operating Early vs Late in the Progression of CP Scoliosis. Scoliosis Research Society Annual Meeting. Sept 11-13, 2014 Anchorage, Alaska (podium).
626. Lonner, Marks, Bastrom, Newton, Betz, Samdani, Lefton, Chen: Radiographic markers of disc degeneration following surgery for adolescent idiopathic scoliosis: a ten year follow-up. AAOS annual meeting, Mar. 25-28, 2015, Las Vegas, NV (ePoster).
627. Lonner, Parent, Shah, Toombs, Roy-Beaudry, Ren: How surgery impacts the view in the mirror for the AIS patient: truncal anterior asymmetry scoliosis questionnaire (TAASQ) responsiveness to change. AAOS annual meeting, Mar. 25-28, 2015, Las Vegas, NV (podium).
628. Lonner, Newton, Shah, Samdani, Shufflebarger, Asghar, Sponseller, Betz, Ren, Yaszay: Risk factors of proximal junctional kyphosis in adolescent idiopathic scoliosis: the pelvis and other considerations. AAOS annual meeting, Mar. 25-28, 2015, Las Vegas, NV (podium).

629. Miyanji, Bastrom, Samdani, Yaszay, Asghar, Shah, Betz, Shufflebarger, Newton: The optimal surgical approach for Lenke 5 curves: is the anterior approach ready for a comeback? AAOS annual meeting, Mar. 25-28, 2015, Las Vegas, NV (podium).
630. Phillips, Yaszay, Bastrom, Shah, Lonner, Miyanji, Samdani, Parent, Asghar, Cahill, Newton: Factors predicting when L3 is not distal enough for an “ideal” result in Lenke 5 curves. AAOS annual meeting, Mar. 25-28, 2015, Las Vegas, NV (podium).
631. Yaszay, Bastrom, Bartley, Parent, Newton: The effects of the three-dimensional deformity of adolescent idiopathic scoliosis on pulmonary function. AAOS annual meeting, Mar. 25-28, 2015, Las Vegas, NV (podium).
632. Hollenbeck, Yaszay, Sponseller, Shah, Asghar, Abel, Miyanji, Newton: The pros and cons of operating early vs late in the progression of CP scoliosis. AAOS annual meeting, Mar. 25-28, 2015, Las Vegas, NV (podium).
633. Cahill, Pahys, Betz, Bastrom, Marks, HSG, Samdani: Anatomy of the learning curve in AIS. POSNA annual meeting, Apr 29 – May 2, 2015, Atlanta, GA (poster).
634. Miyanji, Bastrom, Samdani, Yaszay, Asghar, Shah, Betz, Shufflebarger, Newton: The optimal surgical approach for Lenke 5 curves: is the anterior approach ready for a comeback? POSNA annual meeting, Apr 29 – May 2, 2015, Atlanta, GA (ePoster).
635. Miyanji, Yaszay, Reilly, Asghar, Cahill, Samdani: Temporary intraoperative instrumentation of lowest instrumented vertebra +1: a novel technique to help minimize extent of arthrodesis in scoliosis. POSNA annual meeting, Apr 29 – May 2, 2015, Atlanta, GA (ePoster).
636. Kim, Bastrom, Bartley, Reighard, Yaszay, Newton: A three-dimensional analysis of apical lordosis correction – the role of the Ponte osteotomy. POSNA annual meeting, Apr 29 – May 2, 2015, Atlanta, GA (podium).
637. Nishnianidze, Rogers, Pruszczynski, Yorgova, Lonner, Shah: Higher implant density does not result in increased curve correction or improved clinical outcomes in adolescent idiopathic scoliosis. POSNA annual meeting, Apr 29 – May 2, 2015, Atlanta, GA (podium).
638. Modhia, Jain, Shah, Newton, Marks, Bastrom, Miyanji, Sponseller: Long-term follow-up of deep infection in CP spine surgery: recurrence rare but lower HRQoL. POSNA annual meeting, Apr 29 – May 2, 2015, Atlanta, GA (ePoster).
639. Jain, Sponseller, Newton, Shah, Cahill, Betz, Samdani, Bastrom, Marks, HSG: Smaller patients lose a greater proportion of their blood volume during posterior spinal arthrodesis. POSNA annual meeting, Apr 29 – May 2, 2015, Atlanta, GA (ePoster).
640. Yaszay, Bastrom, Bartley, Parent, Newton: The effects of the three-dimensional deformity of adolescent idiopathic scoliosis on pulmonary function. POSNA annual meeting, Apr 29 – May 2, 2015, Atlanta, GA (podium).
641. Yaszay, Sponseller, Shah, Asghar, Miyanji, Samdani, Bartley, Newton: Performing a definitive fusion in juvenile CP patients is a good surgical option. POSNA annual meeting, Apr 29 – May 2, 2015, Atlanta, GA (podium).
642. Hollenbeck, Yaszay, Sponseller, Shah, Asghar, Abel, Miyanji, Newton: The pros and cons of operating early vs late in the progression of CP scoliosis. POSNA annual meeting, Apr 29 – May 2, 2015, Atlanta, GA (podium).

643. Phillips, Yazsay, Bastrom, Shah, Lonner, Miyanji, Samdani, Parent, Asghar, Cahill, Newton: L3 translation predicts when L3 is not distal enough for an “ideal” result in Lenke 5 curves. POSNA annual meeting, Apr 29 – May 2, 2015, Atlanta, GA (poster).
644. Cyr, Cahill, Tong, St. Hilaire, HSG, CSSG, Garg: Both VEPTR and early primary posterior spinal fusion control idiopathic scoliosis in young children. IMAST annual meeting, Jul 8-11, 2015, Kuala Lumpur, Malaysia (podium).
645. Lenke, Newton, Lehman, Kelly, Clements, Errico, Betz, Samdani, Blanke, HSG: Radiographic results of selecting the touched vertebra as the lowest instrumented vertebra in Lenke type 2 (main thoracic) & type 2 (double thoracic) curves at a minimum 5-year follow-up. IMAST annual meeting, Jul 8-11, 2015, Kuala Lumpur, Malaysia (podium).
646. Ahmed, Bastrom, Yazsay, Newton, HSG: 5-year reoperation risk and causes for revision after idiopathic scoliosis surgery. IMAST annual meeting, Jul 8-11, 2015, Kuala Lumpur, Malaysia (podium).
647. Pahys, Cahill, Newton, Betz, Sponseller, Lehman, Kelly, HSG, Samdani: Obesity markedly increases the rate of deep surgical site infections and implant failure after PSF for AIS. IMAST annual meeting, Jul 8-11, 2015, Kuala Lumpur, Malaysia (podium).
648. Pahys, Asghar, Theologis, Suder, Shah, Cahill, Samdani, Kelly, HSG, Ames: Changes in sagittal cervical alignment after PSF for AIS: an evaluation of 141 patients. IMAST annual meeting, Jul 8-11, 2015, Kuala Lumpur, Malaysia (podium).
649. Samdani, Ames, Bastrom, Miyanji, Pahys, Marks, Lonner, Newton, Shufflebarger, Yazsay, Cahill, Betz: What is different about patients with AIS who achieve a minimal clinically important difference (MCID) in appearance? IMAST annual meeting, Jul 8-11, 2015, Kuala Lumpur, Malaysia (podium).
650. Shufflebarger, Lehman, Marks, Flynn, Newton, Bastrom: Adoption of a performance improvement model (PIM) significantly reduced length of stay following AIS surgery. IMAST annual meeting, Jul 8-11, 2015, Kuala Lumpur, Malaysia (podium).
651. Jain, Sponseller, Njoku, Shah, Samdani, Cahill, Betz, Newton, Marks: Complication rates after spinal surgery for AIS vary significantly based on reporting methodology: who to believe? IMAST annual meeting, Jul 8-11, 2015, Kuala Lumpur, Malaysia (podium).
652. Murphy, Upasani, Yazsay, Bastrom, Bartley, Samdani, Newton: Validation of the “substantially” touched vertebra as the lowest instrumented vertebra in thoracic major curves with AR lumbar modifiers. IMAST annual meeting, Jul 8-11, 2015, Kuala Lumpur, Malaysia (podium).
653. Yazsay, Bastrom, Sponseller, Shah, Miyanji, Asghar, Cahill, Samdani, Newton: Back pain in cerebral palsy patients is markedly reduced after spinal fusion for scoliosis. IMAST annual meeting, Jul 8-11, 2015, Kuala Lumpur, Malaysia (podium).
654. Bartley, Yazsay, Bastrom, Shah, Lonner, Asghar, Miyanji, Samdani, Newton: Perioperative and delayed major complications following surgical correction of AIS in 3530 patients. IMAST annual meeting, Jul 8-11, 2015, Kuala Lumpur, Malaysia (podium).
655. Asghar, Shufflebarger: Pulmonary function recovers to baseline 3-6 months after PSF with thoracoplasty. SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (ePoster).

656. Asghar, Shufflebarger: PSF with Ponte osteotomies for complex congenital scoliosis: a single institution's experience. SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (podium).
657. Clements, Betz, Newton, Marks, Bastrom, HSG: Does symmetry matter in selecting fusion levels in Lenke 1 AIS? SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (podium).
658. Lehman, Shufflebarger, Marks, Flynn, Lenke, Shah, Newton: 3 year dashboard reporting and performance improvement modules (PIMs) significantly improved blood loss and operative time in AIS. SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (podium).
659. Bumpass, Lenke, Kelly, Blanke, Betz, Clements, Labelle, Lehman, Lonner, Luhmann, Newton, Pahys, Parent, Samdani, Shah, Sponseller, Sucato: Radiographic variability among Scheuermann's kyphosis patients: appreciating the individual differences of the deformity. SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (podium).
660. Lonner, Ren, Asghar, Shah, Samdani, Newton: Antifibrinolytic therapy in surgery for AIS: does the level 1 evidence translate to practice? SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (podium).
661. Lonner, Ren, Marks, Newton, Betz, Samdani, Lefton, Chen, Dabrowski: Radiographic markers of disc degeneration ten years following surgery for AIS. SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (ePoster).
662. Lonner, Ren, Shah, Sponseller, Yaszay, Samdani, Cahill, Pahys, Parent, Shufflebarger, Newton: Reciprocal changes in sagittal alignment with operative treatment of adolescent Scheuermann's kyphosis: prospective evaluation of 96 patients. SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (podium).
663. Miyanji, Reilly, Shah, Clements, Samdani, Desai, Lonner, Shufflebarger, Betz, Newton: The rate and risk of curve progression following skeletal maturity: does the story end with curve magnitude? SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (ePoster).
664. Miyanji, Desai, Samdani, Shah, Asghar, Yaszay, Shufflebarger, Betz, Newton: 2-year follow-up in spine clinical research: an adequate benchmark? SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (podium).
665. Newton, Yaszay, Bastrom, HSG: "Risk adjusted" comparative infection rates in AIS. SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (ePoster).
666. Samdani, Ames, Asghar, Orlando, Pahys, Yaszay, Miyanji, Lonner, Lehman, Newton, Cahill, Betz: Significant intraoperative neuromonitoring alerts in patients undergoing fusion for AIS: what are the outcomes of surgery? SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (podium).
667. Schoenleber, Sponseller, Shufflebarger, Loner, Neiss, Yorgova, Bastrom, Shah: Is implant material related to late postoperative infection in AIS? SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (podium).
668. Shufflebarger, Lehman, Marks, Flynn, Newton, Bastrom: Adoption of a performance improvement module (PIM) significantly reduced length of stay following AIS surgery. SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (ePoster).
669. Jain, Sponseller, Cahill, Yaszay, Samdani, Njoku, Abel, Pahys, Betz, Shah, Newton, Marks: Neuromotor sub-classification of GMFCS-5 predicts complications and HRQoL in patients with cerebral palsy after spine fusion. SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (podium).

670. Yazsay, Bastrom, Bartley, Lonner, Shah, Miyajji, Asghar, Newton: T2 judgment day: does this UIV guarantee postoperative shoulder balance? SRS annual meeting, Sept 30-Oct 3, 2015, Minneapolis, MN (ePoster).
671. Asghar, Shufflebarger: An increasing risk of late onset infection in the years after AIS surgery. AAOS annual meeting, Mar 1-5, 2016, Orlando, FL (podium).
672. Singla, Pahys, Asghar, Hayes, Steiner, Samdani, Sponseller, Cahill: Does implant density affect outcomes in scoliosis related to CP? AAOS annual meeting, Mar 1-5, 2016, Orlando, FL (podium).
673. Miyajji, Reilly, Shah, Clements, Samdani, Desai, Lonner, Shufflebarger, Betz, Newton: The rate and risk of curve progression following skeletal maturity – does the story end with curve magnitude? AAOS annual meeting, Mar 1-5, 2016, Orlando, FL (podium).
674. Miyajji, Desai, Samdani, Shah, Asghar, Yazsay, Shufflebarger, Betz, Newton: 2-year follow-up in spine clinical research: an adequate benchmark? AAOS annual meeting, Mar 1-5, 2016, Orlando, FL (podium).
675. Ahmed, Bastrom, Yazsay, Newton, HSG: 5-year reoperation risk and causes for revision after idiopathic scoliosis surgery. AAOS annual meeting, Mar 1-5, 2016, Orlando, FL (podium).
676. Jain, Sponseller, Cahill, Yazsay, Samdani, Njoku, Abel, Pahys, Betz, Shah, Newton, Marks: Neuromotor subclassification of GMFCS-5 predicts complications and HRQoL in patients with cerebral palsy after spine fusion. AAOS annual meeting, Mar 1-5, 2016, Orlando, FL (podium).
677. Murphy, Upasani, Yazsay, Bastrom, Bartley, Samdani, Newton: Validation of the “substantially” touched vertebra as the lowest instrumented vertebra in thoracic major curves with AR lumbar modifiers. AAOS annual meeting, Mar 1-5, 2016, Orlando, FL (ePoster).
678. Yazsay, Bastrom, Bartley, Shah, Lonner, Asghar, Miyajji, Cahill, Newton: Selective thoracic fusion of a left decompensated main thoracic curve: proceed with caution? AAOS annual meeting, Mar 1-5, 2016, Orlando, FL (podium).
679. Bartley, Yazsay, Bastrom, Shah, Lonner, Asghar, Miyajji, Samdani, Newton: Peri-operative and delayed major complications following surgical correction of AIS in 3530 patients. AAOS annual meeting, Mar 1-5, 2016, Orlando, FL (podium).
680. Ahmed, Bastrom, Yazsay, Newton, HSG: 5-year reoperation risk and causes for revision after idiopathic scoliosis surgery. POSNA annual meeting, Apr 27-30, 2016, Indianapolis, IN (podium).
681. Newton, Yazsay, Bastrom, HSG: “Risk adjusted” comparative infection rates in adolescent idiopathic scoliosis. POSNA annual meeting, Apr 27-30, 2016, Indianapolis, IN (podium).
682. Newton, Bastrom, Bartley, Yazsay, Marks, HSG: 10-year outcomes in a prospective cohort of surgically treated AIS patients. POSNA annual meeting, Apr 27-30, 2016, Indianapolis, IN (podium).
683. Newton, Sullivan, Bastrom, Bartley, Dolan, Weinstein, HSG: 3 dimensional loss of thoracic kyphosis is associated with greater degrees of thoracic idiopathic scoliosis (normal, Braist, HSG). POSNA annual meeting, Apr 27-30, 2016, Indianapolis, IN (ePoster).
684. Jain, Sponseller, Cahill, Yazsay, Samdani, Njoku, Abel, Pahys, Betz, Shah, Newton, Marks: Neuromotor subclassification of GMFCS-5 predicts complications and HRQoL in patients with cerebral palsy after spine fusion. POSNA annual meeting, Apr 27-30, 2016, Indianapolis, IN (podium).

685. Jain, Sponseller, Shah, Yaszay, Njoku, Miyajiri, Newton, Bastrom, Marks: Prevalence of and risk factors for loss of one blood volume during spinal fusion surgery in patients with cerebral palsy. POSNA annual meeting, Apr 27-30, 2016, Indianapolis, IN (ePoster).
686. Murphy, Upasani, Yaszay, Bastrom, Bartley, Samdani, Newton: Predictors of distal adding on in thoracic major curves in AIS. POSNA annual meeting, Apr 27-30, 2016, Indianapolis, IN (podium).
687. Yaszay, Bastrom, Sponseller, Shah, Miyajiri, Asghar, Cahill, Samdani, Newton: Back pain in cerebral palsy patients is markedly reduced after spinal fusion for scoliosis. POSNA annual meeting, Apr 27-30, 2016, Indianapolis, IN (ePoster).
688. Yaszay, Bastrom, Bartley, Lonner, Shah, Miyajiri, Asghar, Newton: T2 judgment day: does the UIV guarantee postoperative shoulder balance? POSNA annual meeting, Apr 27-30, 2016, Indianapolis, IN (ePoster).
689. Yaszay, Bastrom, Bartley, Shah, Lonner, Asghar, Miyajiri, Cahill, Newton: Selective thoracic fusion of a left decompensated main thoracic curve: proceed with caution? POSNA annual meeting, Apr 27-30, 2016, Indianapolis, IN (ePoster).
690. Bartley, Yaszay, Bastrom, Shah, Lonner, Asghar, Miyajiri, Samdani, Newton: Peri-operative and delayed major complications following surgical correction of AIS in 3530 patients> POSNA annual meeting, Apr 27-30, 2016, Indianapolis, IN (podium).
691. Cahill, Parent, Asghar, Pahys, Abel, Shah, Gabos, Flynn, Pasha, Samdani, Newton, Harms Study Group, Sponseller. Impact of spinal deformity and surgery on health-related quality of life in cerebral palsy. IMAST, July 13-16, 2016 (podium), SRS, Sept 21-24, 2016, Prague, Czech Republic (e-poster), AACPD, Sept 20-24, 2016, Hollywood, FL (podium).
692. Pahys, Samdani, Kelly, Sponseller, Steiner, Newton, Shah, Bastrom, Harms Study Group, Cahill. Are Severely Underweight Patients with Cerebral Palsy at a Higher Risk for Complications and Poorer Outcomes Following Posterior Spinal Fusion for Scoliosis? IMAST, July 13-16, 2016, Washington, DC (podium), SRS, Sept 21-24, 2016, Prague, Czech Republic (e-poster).
693. Samdani, Stephen, Orlando, Pahys, Betz, Newton, Miyajiri, Shah, Marks. Analysis of Patients with Cerebral Palsy Requiring Reoperation after Spinal Fusion: Associated Risk Factors and Impact on Quality of Life. IMAST, July 13-16, 2016, Washington, DC (podium), SRS, Sept 21-24, 2016, Prague, Czech Republic (e-poster).
694. Asghar, George, Pahys, Abel, Shufflebarger, Shah. What are the indications to fuse short of the pelvis in CP scoliosis? SRS, Sept 21-24, 2016, Prague, Czech Republic (podium).
695. Cahill, Rafakis, Flynn, Pahys, Betz, Samdani, Sponseller. Pattern of the learning curve in AIS. SRS, Sept 21-24, 2016, Prague, Czech Republic (e-poster).
696. Lenke, Lehman, Lonner, Errico, Betz, Shah, Shufflebarger, Kelly, Newton. Optimal Selection of the Lowest Instrumented Vertebra for Lenke Type 5 and 6 Thoracolumbar/Lumbar Major AIS Curves at a Minimum 5 Year Follow-up. SRS, Sept 21-24, 2016, Prague, Czech Republic (podium).
697. Lenke, Newton, Lehman, Kelly, Clements, Errico, Betz, Samdani, Blanke, Harms Study Group. SRS, Sept 21-24, 2016, Prague, Czech Republic (podium), GCS, 2016.

698. Lonner, Ren, Bess, Kelly, Kim, Yaszay, Lafage, Miyanji, Newton. Surgery for the Adolescent Idiopathic Scoliosis Patients after Skeletal Maturity: Now or Later? SRS, Sept 21-24, 2016, Prague, Czech Republic (podium), AAOS, 2016 (podium), POSNA, 2016 (podium).
699. Lonner, Ren, Yaszay, Cahill, Shah, Betz, Samdani, Shufflebarger, Newton. Evolution of Surgery for Adolescent Idiopathic Scoliosis over 20 Years: Have Outcomes Improved? SRS, Sept 21-24, 2016, Prague, Czech Republic (podium), NASS, 2016 (podium), AAOS, 2016 (podium), POSNA, 2016 (podium).
700. Mac-Thiong, Labelle, Parent, Hresko, Sucato, Lenke, Marks. A prospective study of the improvement in health-related quality of life following surgical treatment of lumbosacral spondylolisthesis in young patients. SRS, Sept 21-24, 2016, Prague, Czech Republic (podium).
701. Miyanji, Shah, Samdani, Lonner, Yaszay, Asghar, Clements, Newton. Assessing the risk/benefit ratio of surgery in CP: Is surgery worth it? SRS, Sept 21-24, 2016, Prague, Czech Republic (podium).
702. Newton, Bartley, Yaszay, Marks, Betz, Lenke, Clements, Harms Study Group. A Critical Assessment of \geq 10-Year Follow-up of Spinal Fusions for Adolescent Idiopathic Scoliosis: Outcome Improvement and Continued Follow-up Required. SRS, Sept 21-24, 2016, Prague, Czech Republic (podium).
703. Newton, Sullivan, Reighard, Osborn. Thoracic Idiopathic Scoliosis Severity is Highly Correlated with 3D Measure of Thoracic Kyphosis. SRS, Sept 21-24, 2016, Prague, Czech Republic (podium).
704. Newton, Sullivan, Bastrom, Reighard, Yaszay. Spontaneous Lumbar Curve Correction is Greater When Thoracic Kyphosis is Restored Following a Selective Thoracic Fusion – 3D Analysis in AIS. SRS, Sept 21-24, 2016, Prague, Czech Republic (podium).
705. Newton, Wu, Yaszay, Upasani, Bastrom, Bartley, Harms Study Group. What is the Maximum Kyphosis Achievable in Adolescent Idiopathic Scoliosis Patients with Estimated 3D Frank Thoracic Lordosis. SRS, Sept 21-24, 2016, Prague, Czech Republic (podium).
706. Newton (Koller), Marks, Harms Study Group. Best Prediction of Spontaneous Lumbar Curve Correction (SLCC) following Selective Thoracic Fusion in AIS using Logistic Regression Models and Clinical Rationale. SRS, Sept 21-24, 2016, Prague, Czech Republic (podium).
707. Pahys, Kelly, Samdani, Cahill, Asghar, Sponseller, Betz, Bastrom, Harms Study Group, Shah. What is the optimal pelvic obliquity for patients with cerebral palsy undergoing spinal fusion? SRS, Sept 21-24, 2016, Prague, Czech Republic (podium).
708. Shah, Kaufman, Yorgova, Neiss, Yaszay, Lonner, Rogers. Prospective Evaluation of Outcomes After Selective and “Non-selective” Fusions of C Type Curves in AIS. SRS, Sept 21-24, 2016, Prague, Czech Republic (e-poster).
709. Shah, Grabala, Kossakowski, Cahill. From Rib Hump to Baby Bump: An assessment of Pregnancy after Surgery for AIS with Patient-Reported Outcomes. SRS, Sept 21-24, 2016, Prague, Czech Republic (podium).
710. Upasani, Bastrom, Bartley, Shah, Yaszay, Newton. Obesity is Associated with Increased Thoracic Kyphosis in Adolescent Idiopathic Scoliosis Patients and Normal Adolescents. SRS, Sept 21-24, 2016, Prague, Czech Republic (podium).
711. Upasani, Bastrom, Bartley, Reighard, Yaszay, Newton. 3D Spinal Deformity Analysis Demonstrates Increased Thoracic Kyphosis in Left Main Thoracic Curves: Are these Curves Truly Idiopathic? SRS, Sept 21-24, 2016, Prague, Czech Republic (e-poster).

712. Yaszay, Bastrom, Shah, Miyajni, Lonner, Kelly, Samdani, Asghar, Newton. Major Complications at Two Years after Surgery Impacts SRS Scores for Adolescent Idiopathic Scoliosis Patients. SRS, Sept 21-24, 2016, Prague, Czech Republic (podium), AAOS, 2016 (podium).
713. Yaszay, Bastrom, Lonner, Shah, Asghar, Miyajni, Samdani, Newton. Progressive Decline in Pulmonary Function 5 Years Post-Operative In Patients Who Underwent Anterior Instrumentation for Surgical Correction of Adolescent Idiopathic Scoliosis. SRS, Sept 21-24, 2016, Prague, Czech Republic (podium).
714. Miyajni, Shah, Samdani, Lonner, Yaszay, Asghar, Clements, Newton. Assessing the risk/benefit ratio of surgery in CP: Is surgery worth it? AAOS annual meeting, Mar 15-18, 2017, San Deigo, CA (poster).
715. Lonner, Ren, Bess, Kelly, Kim, Yaszay, Lafage, Miyajni, Newton. Surgery for the Adolescent Idiopathic Scoliosis Patients after Skeletal Maturity: Now or Later? AAOS annual meeting, Mar 15-18, 2017, San Deigo, CA (podium).
716. Lonner, Ren, Yaszay, Cahill, Shah, , Betz, Samdani, Shufflebarger, Newton. Evolution of Surgery for Adolescent Idiopathic Scoliosis over 20 Years: Have Outcomes Improved? AAOS annual meeting, Mar 15-18, 2017, San Deigo, CA (podium).
717. Yaszay, Bastrom, Shah, Miyajni, Lonner, Kelly, Samdani, Asghar, Newton. Major Complications at Two Years after Surgery Impacts SRS Scores for Adolescent Idiopathic Scoliosis Patients AAOS annual meeting, Mar 15-18, 2017, San Deigo, CA (podium).
718. Jain, Kelly, Marks, Lenke, Errico, Kebaish, Sponseller . Cost Utility Analysis of Operative vs. Non-Operative Treatment for Adolescent Idiopathic Scoliosis AAOS annual meeting, Mar 15-18, 2017, San Deigo, CA (podium).
719. Sullivan, Bastrom, Jeffords, Reighard, Newton. Changes in Vertebral Body Shape in Both the Sagittal and Coronal Planes Correlate with Scoliosis Severity – A 3D Study of 445 Patients. POSNA annual meeting, May 3-6, 2017 Barcelona, Spain (poster).
720. Jain, Shah, Abel, Yaszay, Narayanan, Marks, Sponseller. Caregiver Perceptions Regarding the Relative Impact of Spinal Fusion Surgery on Quality of Life of Children with Cerebral Palsy. POSNA annual meeting, May 3-6, 2017 Barcelona, Spain (poster).
721. Yaszay, Bastrom, Lonner, Shah, Asghar, Miyajni, Samdani, Newton. Progressive Decline in Pulmonary Function 5 Years Post-Operative In Patients Who Underwent Anterior Instrumentation for Surgical Correction of Adolescent Idiopathic Scoliosis. POSNA annual meeting, May 3-6, 2017 Barcelona, Spain (poster).
722. Yaszay, Sponseller, Shah, Miyajni, Samdani, Asghar, Cahill, Bartley, Newton. Efficacy of Intra-operative Traction in Patients with CP Scoliosis. POSNA annual meeting, May 3-6, 2017 Barcelona, Spain (poster).
723. Fletcher, Bush, Habib, Kusumoto, Bruce, Reilly, Miyajni. Impact of an accelerated discharge pathway on early outcomes and recovery following posterior spinal fusion for AIS: A prospective comparative study. POSNA annual meeting, May 3-6, 2017 Barcelona, Spain (poster).
724. Lenke, Newton, Lehman, Kelly, Clements, Errico, Betz, Samdani, Blanke, Harms Study Group. Radiographic Results of Selecting the Touched Vertebra as the Lowest Instrumented Vertebra in Lenke Type

1 (Main Thoracic) & Type 2 (Double Thoracic) Curves at a Minimum 5-year Follow-up. Global Spine Congress, 2017.

725. Fletcher, Glotzbecker, Marks, Asghar, Yaszay, Shah, Abel, Lonner, Harms Study Group, Newton. Development of consensus-based best practice guidelines (BPG) for postoperative care following posterior spinal fusion for AIS. POSNA annual meeting, May 3-6, 2017 Barcelona, Spain (podium).
726. Lonner, Ren, Bess, Kelly, Kim, Yaszay, Lafage, Miyanji, Newton. Surgery for the Adolescent Idiopathic Scoliosis Patients after Skeletal Maturity: Now or Later? POSNA annual meeting, May 3-6, 2017 Barcelona, Spain (podium).
727. Lonner, Ren, Yaszay, Kassin. Can Surgical Innovation Decrease Operative Time, Surgeon Variability and Surgical Morbidity in AIS Surgery: A Study of Operative Efficiency POSNA annual meeting, May 3-6, 2017 Barcelona, Spain (podium).
728. Lonner, Ren, Yaszay, Cahill, Shah, Betz, Samdani, Shufflebarger, Newton. Evolution of Surgery for Adolescent Idiopathic Scoliosis over 20 Years: Have Outcomes Improved? POSNA annual meeting, May 3-6, 2017 Barcelona, Spain (podium).
729. Miyanji, Shah, Samdani, Lonner, Yaszay, Asghar, Clements, Newton. Assessing the risk/benefit ratio of surgery in CP: Is surgery worth it? POSNA annual meeting, May 3-6, 2017 Barcelona, Spain (podium).
730. Jain, Kelly, Marks, Lenke, Errico, Kebaish, Sponseller. Cost Utility Analysis of Operative vs. Non-Operative Treatment for Adolescent Idiopathic Scoliosis. POSNA annual meeting, May 3-6, 2017 Barcelona, Spain (podium).
731. Miyanji, Desai, Samdani, Shah, Asghar, Yaszay, Shufflebarger, Betz, Newton. 2-year follow-up in spine clinical research: an adequate benchmark? POSNA annual meeting, May 3-6, 2017 Barcelona, Spain (podium).
732. Sponseller, Areda, Margalit. Even if Bracing fails to prevent surgery, it may benefit the lumbar spine in AIS. POSNA annual meeting, May 3-6, 2017 Barcelona, Spain (podium).
733. Tawari, Asghar, George, Bastrom, Harms Study Group, Shufflebarger. Lenke 1C AIS Curves: When do Experienced surgeons incorporate the lumbar curve? IMAST annual meeting, Jul 12-15, 2017, Cape Town, South Africa (podium).
734. Ho, Flynn, Pahys, Shah, Lonner, Yaszay, Harms Study Group, Cahill. Pregnancy and Childbirth after Spinal Fusion for Adolescent Idiopathic Scoliosis. IMAST annual meeting, Jul 12-15, 2017, Cape Town, South Africa (podium).
735. Hwang, Samdani, Bastrom, Newton, Shufflebarger, Lonner, Sponseller, Pahys. Causes for Early Readmission in AIS. IMAST annual meeting, Jul 12-15, 2017, Cape Town, South Africa (podium).
736. Lenke, Kelly, Lehman, Vitale, Lonner, Errico, Betz, Shah, Shufflebarger, Newton, Blanke, Harms Study Group (HSG). Using The Lower Lumbar Touched Vertebra To Select The Lowest Instrumented Vertebra In Lenke Type 3 & 4 Curves At A Minimum 5 Yr Follow-Up. IMAST annual meeting, Jul 12-15, 2017, Cape Town, South Africa (podium). (Whitecloud nominee)
737. Lonner, Ren, Marks, Newton, Betz, Samdani, Chen, Shufflebarger, Shah, Lefton, Nasser, Dabrowski. Disc Degeneration in Unfused Caudal Motion Segments Ten Years Following Surgery for Adolescent Idiopathic

- Scoliosis. IMAST annual meeting, Jul 12-15, 2017, Cape Town, South Africa (podium). (Whitecloud nominee)
738. Lonner, Ren, Kassir. Changes in Body Shape Following Surgical Correction in AIS - Surface Topography changes are associated with Improvements in Health Related Quality of Life. IMAST annual meeting, Jul 12-15, 2017, Cape Town, South Africa (podium).
739. Bastrom, Newton, HSG. Evolution of Scoliosis Research Society Outcome Scores in Adolescent Idiopathic Scoliosis Patients: A Mixed Longitudinal Study. IMAST annual meeting, Jul 12-15, 2017, Cape Town, South Africa (podium). (Whitecloud nominee)
740. Newton, Kluck, Saito, Yaszay, Bartley, Bastrom. 2-Year Outcomes of Spinal Growth Tethering vs. Posterior Spinal Fusion for Scoliosis – Flexibility vs. Reliability. IMAST annual meeting, Jul 12-15, 2017, Cape Town, South Africa (podium). (Whitecloud Award Recipient)
741. Upasani, Bartley, Jeffords, Cross, Bastrom, Yaszay, Newton. Three-Dimensional Analysis of Deformity Progression following Posterior Spinal Fusion for Adolescent Idiopathic Scoliosis. IMAST annual meeting, Jul 12-15, 2017, Cape Town, South Africa (podium). (Whitecloud nominee)
742. Yaszay, Bartley, Sponseller, Cahill, Shah, Miyajima, Samdani, Abel, Asghar, Newton. Major Complications following Surgical Correction of Spine Deformity in 253 Patients with Cerebral Palsy. IMAST annual meeting, Jul 12-15, 2017, Cape Town, South Africa (podium).
743. Akhil A Tawari, Jahangir K. Asghar, Stephen G. George, Jennifer Strahle, Tracey P. Bastrom, Harms Study Group, Harry L. Shufflebarger. Lenke 5C AIS Curves: Surgical Decision Making and Factors Determining Fusion of the Thoracic Curve for Experienced Spine Surgeons. SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (poster).
744. Jackson, Yaszay, Asghar, Pahys, Singla, Miyajima, Shah, Sponseller, Newton, Flynn MD, Cahill. Intraoperative Halo traction may obviate the need for Anterior/Posterior Surgery in Severe Cerebral Palsy Scoliosis. SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (poster).
745. Milby, Yaszay, Parent, Nelson, Pahys, Samdani, Capraro, Flynn, Harms Study Group, Cahill. The thoracic curve correction ratio as a predictor of T1 tilt following correction of double thoracic (Lenke 2) idiopathic curves. SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (poster).
746. Stephen, Samdani, Miyajima, Sponseller, Lonner, Hwang, Newton, Yaszay, Shah, Pahys. Correction of Primary Kyphosis involves More Reoperations and Complications than Primary Scoliosis in Patients with Cerebral Palsy. SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (poster).
747. Bauer, Shah, Sponseller, Samdani, Newton, Marks, Yaszay, Lonner, Harms Study Group. The Incidence of Short Term Morbidity and Complications after Surgery for Adolescent Idiopathic Scoliosis: Feedback and Process Improvement Impact Results. SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (poster).
748. Shufflebarger, Asghar. Anatomic Trajectory for Iliac Screw Placement: An Alternative to SAI Portal. SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (poster).
749. Brooks, Yaszay, Bartley, Bastrom, Sponseller, Shah, Samdani, Cahill, Miyajima, Newton, Harms Study Group. Do all Patients with Cerebral Palsy Require Postoperative Intensive Care Admission After Posterior Spinal Fusion? SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (poster).
750. Cahill, Miller, Flynn, Pasha, Yaszay, Parent, Asghar, Abel, Pahys, Harms Study Group, Sponseller. Improving Health Related Quality of Life in Patients with Non-Ambulatory Cerebral Palsy: Who Stands to Gain from

- Scoliosis Surgery? SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (podium).
751. Buckland, Moon, Betz, Lonner, Newton, Shufflebarger, Errico, Harms Study Group. Ponte Osteotomies increase the risk of Neuromonitoring Changes in Surgery for Adolescent Idiopathic Scoliosis SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (podium).
752. Hwang, Samdani, Bastrom, Newton, Lonner, Pahys. Preoperative SRS Pain Score is the Primary Predictor of Postoperative Back Pain after AIS Surgery. SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (podium).
753. Kelly, Bastrom, Lenke, Marks, Newton, Harms Study Group. Mental Health and not Deformity Magnitude Correlate to Self Image in Adolescent Idiopathic Scoliosis. SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (podium).
754. Lenke, Lehman, Kelly, Vitale, Lonner, Errico, Betz, Shah, Shufflebarger, Newton, Blanke, Harms Study Group. Thoracic-Only Fusions for Double (Type 3) and Triple (Type 4) Major Curves in AIS at a Minimum 5 Year Follow-Up: Are They Possible and Durable? SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (podium).
755. Mac-Thiong, Hresko, Parent, Sucato, Lenke, Marks, Labelle. Guidelines for Surgical Reduction in High-Grade L5-S1 Spondylolisthesis Based on Quality of Life Measures SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (podium).
756. Fletcher, Murphy, Bush, Guerreso, Habib, Kusomoto, Schmitz, Miyajima, Impact of an accelerated discharge pathway on early outcomes and recovery following posterior spinal fusion for adolescent idiopathic scoliosis: A prospective comparative study. SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (podium).
757. Jain, Sponseller, Sullivan, Shah, Samdani, Yaszay, Narayanan, Newton, Marks, Harms Study Group, Relative Valuation for Severe Cerebral Palsy: Spinal Correction Ranked the Most Beneficial Intervention, but Below G-tube. SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (podium).
758. Abousamra, Sponseller, Samdani, Yaszay, Cahill, Newton. Pelvic Fixation in Cerebral Palsy Scoliosis: Differences Evident at 5 Year Follow Up. SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (podium).
759. Shufflebarger, Asghar. Temporary Internal Distraction Facilitates Surgical Reduction of High Grade Spondylolisthesis. SRS annual meeting, Sept. 6-9, 2017, Philadelphia, PA (podium).