Charles E. Johnston II, M.D.

Editorial Positions - Journals

Editorial board, *Orthopedics*. (Slack Incorporated). 1984 – present.

Consultant reviewer, *Spine* (Lippincott Williams & Wilkins). 1999 – present.

Consultant reviewer, *Journal of Bone & Joint Surgery*, 2001 - present

Editorial Board, *Journal of Children's Orthopedics*, 2006-present

Service Organizations

Board of Directors, United Cerebral Palsy (Dallas), 1986-89.

Presentations

Johnston, C.E. II: Anatomical and Functional Analysis of Reconstructive Procedures for the Paralytic Shoulder. Orthopaedic Grand Rounds, University of Virginia, February, 1979.

Johnston, C.E. II: Anatomy and Surgical Complications of Approaches to the Hip for Arthroplasty. Orthopaedic Grand Rounds, University of Virginia, April, 1979.

Johnston, C.E. II: Fractures and Fracture-Dislocations of the Shoulder. Orthopaedic Grand Rounds, Roanoke Memorial Hospital, Roanoke, Virginia, August, 1979.

Johnston, C.E. II; Strong, T.E.; and Shaffer, L.W.: Primary Endoprosthetic Replacement for Acute Femoral Neck Fractures - A Review of 150 Cases. Virginia Orthopaedic Society, The Homestead, Hot Springs, Virginia, April, 1980.

Johnston, C.E. II: Biomechanics of Implant Failures in Hip Fractures. Orthopaedic Grand Rounds, University of Virginia, August, 1980.

Johnston, C.E. II et al: Primary Endoprosthetic Replacement for Acute Femoral Neck Fractures. Eastern Orthopaedic Association, Boca Raton, Florida, 1981.

Johnston, C.E. II: Biomechanics of Implant Failures in Hip Fractures. Orthopaedic Grand Rounds, University of Texas Southwestern Health Science Center, Dallas, August, 1981.

Johnston, C.E. II: Anatomic and Radiographic Evaluation of Acetabular Coverage of Hip Dysplasia. Participant, Brandon Carrell Memorial Lectureship, Texas Scottish Rite Hospital, Dallas, June, 1982; Louisiana Orthopaedic Association, New Orleans, October, 1982.

Johnston, C.E. II: Myelodysplasia: Correction of Hip, Knee and Foot Deformities. Presented at Myelodysplasia Conference, Children's Hospital, New Orleans, February, 1983.

Johnston, C.E.; Ashman, R.B.; and Carollo, J.A.: Comparative Stiffness of Dwyer and Zielke Instrumentation in Three-Point Bending. Presented at the Scoliosis Research Society, New Orleans, September, 1983.

Johnston, C.E. II: Pediatric Orthopedic Problems - Especially Traumatic. Presented at New Orleans Emergency Medicine Seminar, New Orleans, March, 1984.

Johnston, C.E. II: Common Congenital and Developmental Orthopedic Problems. Family Practice Update, New Orleans, May, 1984.

Johnston, C.E. II; Norris, R.; Burke, S.W.; Happel, L.; King, A.G., and Roberts, J.M.: Delayed Paraplegia Complicating Segmental Spinal Instrumentation. Presented at the Scoliosis Research Society, Orlando, Florida, September, 1984.

Johnston, C.E. II: New Knowledge of Natural History and Non-operative Treatment of Idiopathic Scoliosis. Presented at the Clinical Orthopedic Society, New Orleans, October, 1984.

Johnston, C.E. II; Wenger, D.R.; Roberts, J.M.; and Burke, S.W.: Acetabular Coverage: Three Dimensional Anatomy and Radiographic Evaluation. Presented at the American Academy of Orthopaedic Surgeons, Las Vegas, January, 1985; Brandon Carrell Memorial Lectureship, Texas Scottish Rite Hospital, Dallas, March, 1985.

Johnston, C.E. II: Non-operative Treatment for Idiopathic Scoliosis - An Oxymoron? Participant, Brandon Carrell Memorial Lectureship, Texas Scottish Rite Hospital, Dallas, March, 1985.

Johnston, C.E. II; Fletcher, R.R., and MacKenzie, F.R.: Aneurysmal Bone Cyst - Role of Trauma in Pathogenesis. Brandon Carrell Memorial Lectureship, Texas Scottish Rite Hospital, Dallas, March - 1985; North Texas Orthopedic Association, Salado, Texas, September - 1986; Texas Orthopedic Association, Houston, May 1987; Pediatric Orthopaedic Society of North America, Toronto, May, 1987; American Academy of Orthopedic Surgeons, Atlanta, February, 1988.

Johnston, C.E. II: The Anterior Approach to Scoliosis. Orthopaedic Grand Rounds, University of Texas Health Science Center, Dallas, April, 1985.

Johnston, C.E. II; Ashman, R.B.; and Sherman, M.C.: Mechanical Consequences of Rod Contouring and Residual Scoliosis in Sublaminar Pelvic SSI. Presented at the Scoliosis Research Society, San Diego, California, September, 1985.

Johnston, C.E. II: Non-operative Treatment of Scoliosis. University of Texas Southwestern Orthotic and Prosthetic Annual Training Program, Dallas, October, 1985 – 2003.

Johnston, C.E. II: Holes in Children's Bones - Orthopedic Grand Rounds, University of Texas Health Science Center, Dallas, March, 1986.

Carollo, J.J.; Johnston, C.E. II; Birch, J.G.; Herring, J.A., and Aston, J.W.: A Slow Motion Video/EMG System for Clinical Gait Analysis. Scientific Exhibit, American Academy of Orthopedic Surgeons, New Orleans, February, 1986.

Johnston, C.E. II: Biomechanical Testing of Spinal Instrumentation Systems. Luque Peduncular Fixation Course, Indianapolis, Indiana, August - 1986; February, 1987; May, 1987; Phoenix, Arizona, March, 1988; Orthopedic Grand Rounds, University of Texas Health Science Center, Dallas, June, 1987; SRS - NASS Course on Pedicle Fixation of the Spine, Chicago, September 17-18, 1988. Dallas, Texas April 29-30, 1989.

Johnston, C.E. II; Ashman, R.B., and Corin, J.D.: Mechanical Effects of Cross-Linking Rods in Cotrel-Dubousset Instrumentation. Scoliosis Research Society, Southampton, Bermuda, September, 1986; Federation of Spine Associations, San Francisco, January, 1987.

Johnston, C.E. II. Faculty Participant, Operative and non-operative Treatment in Children's Orthopedics:

1. CDH. Non-operative Treatment. Closed Reduction (Video).
2. Operative Treatment of Clubfoot. (Video)
3. Torticollis
4. Cerebral Palsy. The Role of Gait Analysis.
5. Cavus Foot.
6. Operative Treatment, Supracondylar Fracture of Humerus. (Video)

American Academy of Orthopedic Surgeons Continuing Education Course. Dallas, Texas, October 22-24, 1987.

Johnston, C.E., II; and Loder, R.T.: Infantile Tibia Vara. Pediatric Orthopaedic Societyof North America, Toronto, May, 1987; American Academy of Orthopedic Surgeons Specialty Day, Atlanta, February, 1988.

Galpin, R.D.; Johnston, C.E. II; Bone, L.B.; Ashman, R.B.; Corin, J.D.: Biomechanical Evaluation of Anterior and Posterior Instrumentation Systems for Treatment of Thoracolumbar Burst Fractures. Scientific Exhibit, American Academy of Orthopaedic Surgeons, Atlanta, February, 1988.

Johnston, C.E. II; Ashman, R.B.; Herring, J.A: Development of TSRH Spinal Instrumentation. Presented at the Gulf South Pediatric Orthopaedic Group, New Orleans, December 10, 1988; Florida Spinal Deformities Study Group, Orlando, April 14-15, 1989.

Johnston, C.E. II: Methods of Analysis of Biomechanical Performance of Spinal Implants. Scoliosis Research Society Tutorial, Dallas, Texas, April, 1989.

Johnston, C.E. II; Ashman, R.B.; Corin, J.D.; Allard, R.; Welch, R.D.: Effect of Spinal Construct Stiffness on Early Fusion Mass Incorporation. Experimental Study. Presented at the Orthopedic Research Society, Las Vegas, Nevada, February, 1989; Scoliosis Research Society, Amsterdam, The Netherlands, September, 1989.

Johnston, C.E. II: TSRH Instrumentation. Faculty, SRS/NASS Advanced Pedicle Fixation of the Lumbar Spine. Dallas, Texas, March 16-17, 1990.

Johnston, C.E.; Dales, M.C.; Loder, R.T.: Prognostic Factors in Infantile Tibia Vara. Pediatric Orthopaedic Society of North America, San Francisco, May 1990.

Johnston, C.E. II; Haideri, N.; Ashman, R.B.: Early Experience with Rigid Crosslinking. Scoliosis Research Society, Honolulu, Hawaii, September 1990.

Johnston, C.E. II, Hobatho, M.C.: 3-Dimensional Analysis of Clubfoot. Combined Meeting, Pediatric Orthopedic Society of North America-European Pediatric Orthopedic Society, Montreal, P.Q., September 1990.

Johnston, C.E. II: Gait Abnormalities in Children. American Academy of Family Practice, Dallas, Texas, October 1990.

Johnston, C.E. II: Overview of Deformity Correction (Anterior and Posterior) Using TSRH Instrumentation. Modernas Technicas de Instrumentacion Vertebral, Hospital Ramon y Cajal, Madrid, Spain, November 6-8, 1990.

Johnston, C.E. II: "Modern Management of Lower Extremity Growth Disturbances". Instructional Course Lecture, American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, February, 1990; Anaheim, California, March, 1991.

Johnston, C.E. II: Panel Participant, "Idiopathic Scoliosis: Pitfalls in Diagnosis and Management." Pediatric Orthopaedic Society of North America Specialty Day, American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, February, 1990; Anaheim, California, March, 1991.

Johnston, C.E. II: Anterior and posterior lumbar applications of TSRH Instrumentation. Faculty, SRS/NASS Advance Pedicle Fixation Course, Phoenix, AZ. May 3-4, 1991.

Johnston, C.E. II, Turi, M., and Richards, B.S.: Treatment of idiopathic scoliosis by anterior TSRH instrumentation. Pediatric Orthopedic Society of North America, Dallas, May 13-15, 1991.

Johnston, C.E. II, Herring, J.A., Ashman, R.B., Birch, J.G., Roach, J.W., Richards, B.S.: TSRH Spinal Instrumentation Tutorial. Presented at Texas Scottish Rite Hospital for Children, Dallas, Texas, July 12, 1991.

Johnston, C.E. II: Applications anterieure de l'instrumentation TSRH dans le traitment chirurgical du rachis. Visiting lecturer; Hopital Purpan, Toulouse, France October 24, 1991.

Johnston, C.E. II: European Pediatric Orthopedic Society Postgraduate Seminar, University of Navarra, Pamplona, Spain. October 24-26, 1991. Idiopathic Scoliosis Update: Basic Science and Clinical Concepts
1. Pitfalls in Diagnosis and Treatment of Idiopathic Scoliosis.
2. TSRH Universal Spine Instrumentation.

Johnston, C.E. II, Ashman, R.B., Herring, J.A., Birch, J.G., Roach, J.W., Richards, B.S.: TSRH Spinal Instrumentation Tutorial. Presented at Texas Scottish Rite Hospital for Children, Dallas, Texas, December 13, 1991.

Johnston, C.E. II, Ashman, R.B., Herring, J.A., Birch, J.G., Richards, B.S.: Pediatric Orthopaedic Society of North America (POSNA) TSRH Spinal Instrumentation Tutorial. Presented at Texas Scottish Rite Hospital for Children, Dallas, Texas, March 27, 1992.

Johnston, C.E. II, Ashman, R.B., Herring, J.A., Birch, J.G., Roach, J.W., Richards, B.S.: Scoliosis Research Society (SRS) TSRH Spinal Instrumentation Tutorial. Presented at Texas Scottish Rite Hospital for Children, Dallas, Texas, April 17, 1992.

Johnston, C.E. II, Ashman, R.B., Birch, J.G., Richards, B.S.: Specialized Spinal Instrumentation Applications; Pediatric Deformities. Presented at Texas Scottish Rite Hospital for Children, Dallas, Texas, June 5, 1992.

Johnston, C.E. II: Traitment anterieure de la scoliose ideopathique avec l'instrumentation TSRH. Societe Francaise de la Chirurgie Orthopedique et Traumatologie. Paris, France November 16, 1991; European Spinal Deformities Society, Lyon, France, June 17-19, 1992.

Karol, L.A., Browne, R.H., and Johnston, C.E. II: Incidence of curve progression in male idiopathic scoliosis. Pediatric Orthopedic Society of North America, Newport, R.I. May 6-9, 1992.

Johnston, C.E II: Comparison of TSRH and other spinal instrumentations. St. Luke's Orthopaedic Symposium, Houston, TX. April 25, 1992.

Johnston, C.E. II: Participant, Round Table on Posterior Three-Dimensional Instrumentation Systems. Ninth International Congress on Cotrel-Dubousset Instrumentation. Lyon, France, June 15-16, 1992.

Johnston, C.E. II: Alternative Methods of Pelvic Fixation Including Galveston Technique. Workshop, SRS/NASS Advanced Pedicle Fixation Course, Phoenix, AZ. May 1-2, 1992.

Johnston, C.E. II: 1) Galveston Fixation to Sacro-Pelvis: 2) Biomechanical Issues of Spinal Fusion. SRS/NASS Pedicle Fixation and Other Advanced Techniques Course. Orlando, Florida, May 14-15, 1992.

Johnston, C.E. II, Hobatho, M.C., Ashman, R.B. 3D Assessment of Clubfoot Deformity By Computer Analysis. Societe Internationale de Recherche en Orthopedie et Traumatologie (SIROT), Brussels, Belgium, July 2-4, 1992.

Johnston, C.E. II: Faculty participant, Sociedad Argentina de Patologia de la Columna Vertebral. Buenos Aires, October 22-24, 1992.

1. Pitfalls in Diagnosis and Treatment of Idiopathic Scoliosis
2. Deformities of the Cervical Spine in Children
3. Advantages of TSRH Instrumentation
4. Anterior Treatment of Scoliosis, Trauma, and Tumors

Johnston, C.E. II: TSRH Experience: Indications/Results/Complications in Pediatric Deformity. Spinal Science Advancement Foundation (SSAF), Texas Scottish Rite Hospital, Dallas,

Texas, November 13, 1992; Summer Symposium, Spinal Science Advancement Foundation, Southhampton, Bermuda, July 15-16, 1993.

Johnston, C.E. II: Spondylolisthesis and Scheuermann's Disease. AAOS Comprehensive Review Course for Orthopaedic Surgeons. Chicago, Illinois, March 1993, 1994, 1995.

Johnston, C.E. II, Ashman, R.B., Richards, B.S., Birch, J.G.: Pediatric Orthopaedic Society of North America (POSNA) Tutorial - TSRH Spinal Instrumentation. Presented at Texas Scottish Rite Hospital for Children, Dallas, Texas, March 26, 1993.

Johnston, C.E. II, Turi, M., Richards, B.S., Ashman, R.B.: Treatment of Idiopathic Scoliosis with Anterior TSRH Instrumentation. Japanese Orthopaedic Association, Kobe, Japan, April 8, 1993.

Johnston, C.E. II: Cervical Kyphosis in Skeletal Dysplasias. Presented at the 15th Brandon Carrell Lectureship, Texas Scottish Rite Hospital, Dallas, Texas, April 23, 1993.

Johnston, C.E. II: Deformities of the Neck In Young Children. Presented to Sociedad de Ortopedia y Traumatologia de Nuevo Leon, Monterrey, Mexico, April 29, 1993.

Johnston, C.E. II, Turi, M., Richards, B.S., Ashman, R.B.: Treatment of Idiopathic Scoliosis with Anterior TSRH Instrumentation. Scoliosis Research Society, Dublin, Ireland, September 18-23, 1993.

Johnston C.E. II: TSRH Course presented at the University of Minnesota, Minneapolis, MN, October 7-9, 1993.
1. Adolescent Scoliosis; Treatment, indications, fusion levels, Hook Patterns and Surgical Approach;
2. Anterior Treatment of Scoliosis; Indications and Surgical Approach.

Johnston, C.E. II: Faculty Participant, II Congreso Ibero-Latinoamericano de Patologia de la Columna Vertebral, Santiago, Chile, October 13-15, 1993.
1. Pitfalls in Diagnosis and Treatment of Idiopathic Scoliosis
2. Correction of Neuromuscular Scoliosis with Pelvic Obliquity
3. Single Rod Construct for Correction of Scoliosis

Johnston, C.E. II: Course Participant, Deformidad de la columna vertebral. XXII Congreso Nacional de Orthopedia, Mexico City, May 1-7, 1994.

Johnston, C.E. II, Robbins, R., Ezaki, M.B.: Transfer of the Long Head of the Triceps to Restore Elbow Flexion in Arthrogryposis. Pediatric Orthopedic Society of North America, Memphis, TN, May 11-14, 1994.

Johnston, C.E. II: Single Rod Construct in Scoliosis. Charles Gregory Visiting Professorship, UT Southwestern Medical Center, Dallas, Texas, June 3, 1994.

Johnston, C.E. II, Birch, J.G., Daniels, R.G.: Cervical Kyphosis in Patients with Larsen's Syndrome. Presented at the Scoliosis Research Society, Portland, Oregon, September 22-24, 1994.

Johnston, C.E. II: Faculty Participant, Third International Spine Symposium in Turkey. Antalya, Turkey, October 3-6, 1994.
1. Pitfalls in diagnosis and management of idiopathic scoliosis.
2. Scheuermann's kyphosis.

Johnston, C.E. II, Song, K.M., Birch, J.G., Richards, B.S., Herring, J.A., Karol L.A.: Scoliosis Research Society (SRS) Tutorial - Management of Severe Spinal Deformities in Young Children. Presented at Texas Scottish Rite Hospital for Children, Dallas, Texas, November 11, 1994.

Johnston, C.E. II: Faculty Participant, San Diego Spine Symposium, San Diego, CA, November 18-20, 1994.
1. Posterior instrumentation for idiopathic and neuromuscular scoliosis in children.
2. Anterior spinal instrumentation in children.
3. Development of new spinal instrumentation systems.

Johnston, C.E. II, Greene, W.B., Oppenheim, W.L.: Debate: Brace Treatment in Infantile Tibia Vara. POSNA Specialty Day, American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, FL, February 1995.

Johnston, C.E. II: Choosing Levels for Anterior Instrumentation in the Lumbar Spine. How to Preserve Lordosis. Federation of Spine Associations, Orlando, FL. February 1995.

Johnston, C.E. II: Spondylolisthesis. Presented at the American Academy of Orthopaedic Surgeons Review Course, Chicago, Illinois, March 19-24, 1995.

Johnston, C.E. II, Song, K.M., Birch, J.G., Richards, B.S., Herring, J.A., Karol L.A.: Pediatric Orthopaedic Society of North America (POSNA) Tutorial - Management of Severe Spinal Deformities in Young Children. Presented at Texas Scottish Rite Hospital for Children, Dallas, Texas, March 31, 1995.

Johnston, C.E. II: Pitfalls in Diagnosis of Idiopathic Scoliosis. Presented at Grand Rounds, The University of Virginia, Charlottesville, Virginia, April 19-20, 1995.

Johnston, C.E. II: Faculty Participant, Current Techniques in Spinal Surgery Symposium, Eindhoven, the Netherlands, April 21-22, 1995.
1. Single Rod Construct for Scoliosis.
2. Anterior Correction of Spinal Deformity.
3. Management of Severe Spinal Deformities in Young Children.

Johnston, C.E. II: Faculty Participant, Pediatric Office Orthopaedics Symposium at Texas Scottish Rite Hospital, Dallas, Texas, May 20, 1995; May 18, 1996; May 3, 1997.
1. Angular Deformities of the Lower Extremities.
2. Bone and Joint Infections.

Johnston, C.E. II: Faculty Participant, TSRH Instrumentation Annual Seminar, Sevilla, Spain, May 30, 1995.
1. Management of Severe Spinal Deformities in Young Children.
2. Single Rod Construct in Scoliosis.

Johnston, C.E. II, Birch, J.G., Richards, B.S., Herring, J.A., Karol L.A.: Scoliosis Research Society (SRS) Tutorial - Management of Severe Spinal Deformities in Young Children. Presented at Texas Scottish Rite Hospital for Children, Dallas, Texas, November 3, 1995.

Johnston, C.E. II, Weinstein, S.L., Winter, R.W: Debate: A 17-year-old male with Scheuermann's disease should have surgical stabilization. Presented at the POSNA Specialty Day, American Academy of Orthopaedic Surgeons, Atlanta, February 1996.

Schoenecker, P., Johnston, C.E. II, Crawford, A., Carroll, N., Watts, H: Controversies in the Management of Non-Traumatic Pediatric Orthopaedic Pathology. Instructional Course Lecture, American Academy of Orthopaedic Surgery, Atlanta, February 1996.

Johnston, C.E. II: Visiting Professor, Universidad Autonoma de Nuevo Leon, Servicio del Ortopedia y traumatologia, Monterrey N.L., March 1996.
1. Spondylolisthesis
2. Bowing Deformities of the Tibia in Children

Johnston, C.E. II: Tutorial Director. Management of Severe Spinal Disorders in Young Children. Presented at the POSNA Tutorial at Texas Scottish Rite Hospital for Children, Dallas, Texas, March 29, 1996.

Johnston, C.E. II, Karol, L.A., Haideri, N: Functional Assessment of Healed Congenital Pseudarthrosis of the Tibia. Presented at the European Pediatric Orthopaedic Society, Prague, Czech Republic, April 11-13, 1996.

Johnston, C.E. II: Three-Dimensional Analysis, Treatment, and Long-Term Results of Clubfoot. Orthopaedic Grand Rounds, Baylor College of Medicine, Houston, Texas, August 21, 1996.

Johnston, C.E. II: Visiting Professor, Shriner's Hospital for Crippled Children, Springfield, MA, October 24-25, 1996.
1. Cervical Spine Anomalies in Children
2. Angular Deformities of the Lower Leg

Johnston, C.E. II: Tutorial Director. Management of Severe Spinal Disorders in Young Children. Presented at the SRS Tutorial at Texas Scottish Rite Hospital for Children, Dallas, Texas, November 8, 1996.

Schoenecker, P., Johnston, C.E. II, Crawford, A., Carroll, N., Watts, H: Controversies in the Management of Non-Traumatic Pediatric Orthopaedic Pathology. Instructional Course Lecture, American Academy of Orthopaedic Surgery, San Francisco, California, February 1997.

Johnston, C.E. II: Anterior Correction of Idiopathic Scoliosis - Functional Outcome. Presented at the Brandon Carrell Memorial Lectureship, Texas Scottish Rite Hospital, Dallas, Texas, June 6-7, 1997.

Johnston, C.E. II: Visiting Professor, Children's Hospital, New Orleans, Louisiana, September 12-13, 1997.
1. Long-term follow up of surgically treated clubfoot. Implications for treatment.
2. Deformities of the lower leg in children.
3. Idiopathic scoliosis - classification and natural history.
4. Adolescent idiopathic scoliosis - operative treatment.

Johnston, C: Profesor Internacional, XIV Congreso Nacional de Asociacion Mexicana de Ortopedia y Traumatologia, Merida, Mexico, October 23-27, 1997.
1. Scoliosis instrumentation with a single rod.
2. Treatment of paralytic scoliosis.
3. Use of the threaded rod in anterior spine surgery.

Johnston, C.E. II: University of Virginia Orthopaedic Alumni Meeting, Charlottesville, Virginia, November 14-15, 1997.
1. Functional Assessment of Healed Pseudarthrosis of the Tibia.
2. Return of the Threaded Rod in Spine Surgery.

Johnston, C.E. II: Ten year followup of operatively treated clubfeet. American Orthopaedic Foot and Ankle Society Specialty Day, New Orleans, March 22, 1998.

Johnston, C.E. II: Functional assessment of healed congenital pseudarthrosis of the tibia. Pediatric Orthopaedic Society of New Zealand, Queenstown, New Zealand. January 29 - 30, 1998; Pediatric Orthopaedic Society of North American, Cleveland, May 7 - 9, 1998.

Schoenecker P, Johnston C, Crawford A, Carroll N, Roberts J: Commonly occurring hip pathology in pediatric orthopaedics. Instructional Course Lecture, American Academy of Orthopaedic Surgeons, New Orleans, March 1998.

Johnston C: Guest faculty, 11th Ste-Justine Paediatric Orthopaedic Review Course, Montreal, P.Q. April 15 - 17, 1998.
1. Lumbosacral fixation: techniques and results.
2. Clubfoot: Long term functional outcome and it's implication for current surgical management.
3. Congenital and developmental deformities of the lower limb.

Johnston CE II, Sucato DJ, Birch JG, Herring JA: Outcome of ultrasonic hip abnormalities in clinically normal hips. Pediatric Orthopaedic Society of North America, Cleveland, May 7 - 9, 1998.

Johnston CE: Anterior correction of scoliosis-functional outcome. Scoliosis Research Society, New York, September 16-20, 1998.

Johnston CE II: Return of the threaded rod in spine surgery. Poster exhibit, Scoliosis Research Society, New York, September 16-20, 1998.

Johnston CE II: Visiting professor, Children's Hospital Medical Center, Cincinnati, March 4-6, 1999.
1. Clubfoot '99: Outcome assessment and implications for treatment
2. Deformities of the cervical spine in young children
3. Deformities of the lower leg

Johnston CE II: Visiting professor, Robert Wood Johnson Medical School, New Brunswick, NJ, March 18,1999.
1. Deformities of the lower leg.
2. Selection of fusion levels in idiopathic scoliosis.

Schoenecker P, Johnston C, Crawford A, Gross R: Commonly occurring lower extremity deformities in children. Instructional Course Lecture, American Academy of Orthopaedic Surgeons, Anaheim, CA. February 1999.

Johnston CE, Wilson H, Richards BS: Non-operative treatment of clubfoot - the French technique. Pediatric Orthopaedic Society of North America, Orlando, FL, May 17-19,1999; American Orthopaedic Association, Sun Valley ID, June 6-8, 1999.

Johnston CE: Profesor internacional, Sociedad Puertoriquena de Ortopedia y Traumatologia, Palmas del Mar, Humacao, Puerto Rico, Sept. 3-6, 1999.
1. Deformities of the tibia and lower leg
2. Pitfalls in the diagnosis and management of idiopathic scoliosis.

Johnston CE: The Pediatric Spine, international faculty. Genoa, Italy, December 2-4, 1999.
1. Surgical treatment of congenital kyphosis in early age.
2. Congenital scoliosis in the adolescent.
3. Non-congenital kyphosis.

Johnston CE II, Birch JG, Brown KLB, Gillespie R: Significant congenital and developmental lower limb deficiencies. Instructional Course Lecture, American Academy of Orthopaedic Surgeons, Orlando, FL March 15-19, 2000.

Richards BS, Wilson H, Johnston CE: Non-operative clubfoot treatment comparing the French technique to serial casting - early results. Poster exhibit, Pediatric Orthopaedic Society of North America, Orlando, FL, May 15-19, 1999; American Academy of Orthopaedic Surgeons, Orlando, FL, March 15-19, 2000.

Johnston CE II, Halliday SE, Karol LA: Functional motion and balance following fusion for idiopathic scoliosis. Pediatric Orthopaedic Society of North America, Vancouver B.C., May 1-4, 2000.

Johnston CE II: Faculty participant, “Spinal Deformity: Challenges and Solutions”, Medical Education Resources, Los Croabas, Puerto Rico, May 12-13, 2000.
1. Adolescent idiopathic scoliosis.
2. Anterior open and endoscopic correction for AIS.

Johnston CE II: Faculty participant, SRS Tutorial “Exotic Scoliosis”. New Orleans LA., Sept. 22-23, 2000.
1. Scoliosis management in young children using halo-gravity traction.
2. Spinal deformity management according to “degree of difficulty”.

Johnston CE II: Congenital abnormalities and dysplasias. Southwestern Orthopaedic Recertification Review, Dallas, Texas, 1997, 1998, 1999. 2000.

Johnston CE II: Visiting professor, Frank H. Stelling Pediatric Orthopaedic Conference, Medical College of Georgia, Augusta, GA. Nov. 3-4, 2000.
1. Clubfoot 2000 – non-operative vs. operative treatment.
2. Pitfalls in the diagnosis and management of idiopathic scoliosis.
3. Cervical spine abnormalities in children.

Johnston CE II: Radiographic and clinical outcome assessment for single overhang AIS curves. Medtronic Sofamor Danek Deformity Study Group, New York, NY, December 9-11, 2000.

Johnston CE II: Participant, European Pediatric Orthopaedic Society Annual Meeting, Montpellier, France, April 4-8, 2001.
1. Evaluation of surgical treatment variations in IM rodding for congenital pseudarthrosis of the tibia.
2. Effect of grafting technique on maintenance of frontal and sagittal plane correction in anterior treatment of scoliosis.

Johnston CE II: Faculty participant, Saint Justine Pediatric Orthopaedic Review Course. Montreal, Quebec, April 18-20, 2001.
1. Clubfoot treatment 2001; paradigm shift to non-operative treatment
2. Angular deformities of the lower leg.
3. Cervical spine abnormalities in young children.
4. Pitfalls in the diagnosis and general management of idiopathic scoliosis.

Johnston CE II: Participant, Pediatric Orthopaedic Society Annual Meeting, Cancun, Mexico, May 2-5, 2001.
1. Congenital pseudarthrosis of the tibia (CPT). Technical aspects of the Charnley-Williams procedure.
2. Effect of grafting technique on maintenance of coronal and sagittal correction in anterior treatment of scoliosis.

Johnston CE II: Participant, College of Physicians and Surgeons of Columbia University, Alumni Reunion Weekend, New York, New York, May 10-12, 2001. “Spinal Deformity Treatment Based Upon Degree of Difficulty”.

Johnston CE II: Participant, Puerto Rico Orthopaedic Society Annual Meeting, San Juan Puerto Rico, August 31 – September 3, 2001. “Non-operative management of clubfoot”.

Johnston CE II: guest professor, Hoke-Kite Conference, Children’s Healthcare of Atlanta at Scottish Rite, March 14-16 2002. “Failure of surgical treatment and shift to non-operative management of clubfeet”.

Johnston CE II: Faculty participant, Ste.-Justine Pediatric Orthopedic Review Course, Montreal, PQ. April 10-11,2002.
1. Cervical spine anomalies in young children.
2. Clubfoot: conservative management
3. Angular deformities of the lower limb.

Podeszwa DA, Karol LA, Johnston CE II, Jeans K, Talwalker V: Gait analysis following proximal femoral valgus osteotomy for femoral head osteonecrosis. Pediatric Orthopedic Society of North America, Salt Lake City Utah, May 2-5, 2002.

O'Brien SE, Karol LA, Johnston CE II: Calcaneus gait following treatment for clubfoot: results of surgical correction. 3rd International Clubfoot Conference, SICOT, San Diego, August 27-28, 2002.

Johnston CE II. Faculty participant, SRS tutorial "Exotic Scoliosis". Chicago, October 4-5, 2002.
1. Halo-traction in the treatment of severe scoliosis in young children.
2. Strategies for management of spinal deformity without fusion.

Johnston CE II. Faculty participant, VIII International Seminar on Pediatric Orthopaedics, Pamplona, Spain, November 8-9, 2002.
1. Idiopathic scoliosis
2. Congenital pseudarthrosis of the tibia and other disorders of the leg.

Johnston CE II. Visiting professor, Beijing Children's Hospital; Peking Union Medical College, Beijing, PR China; 4th Military Hospital, Xian, PR China, November 12-17, 2002.
1. Treatment of scoliosis based on degree of difficulty
2. Update on anterior treatment of spinal deformity.

Johnston CE II. Unusual forms of pediatric kyphosis. Federation of Spine Associations, AAOS Specialty Day, New Orleans, February 8 2003.

Johnston CE II. Faculty participant, Ste-Justine Pediatric Orthopedic Review Course, Montreal P.Q. March 26-28, 2003.
1. Cervical spine anomalies in children
2. Non-operative management of clubfoot.
3. Angular deformities of the lower limb.

Johnston CE II. Visiting speaker, Grand Rounds, Wayne State University/Henry Ford Hospital Department of Orthopedic Surgery, Detroit, June 4 2003:
1. Angular deformities of the lower limb
2. Cervical spine anomalies in children.

Johnston CE II. Medical sequelae of early onset scoliosis. Pediatric Grand Rounds, Children's Medical Center, Dallas, August 27 2003.

Johnston CE II, Elerson E, Dagher G. Correction of adolescent hyperkyphosis by posterior-only threaded rod compression instrumentation. 38th Scoliosis Research Society Annual Meeting, Quebec City, September 10-13 2003; Combined Meeting of the English Speaking Orthopedic Associations, Sydney, Australia, October 2004

Pierce WA, Haideri N, Bronson D, Clavenna A, Ashman RB, Johnston CE. Crosslinks revisted: evaluation of crosslinking in the pedicle screw era. Poster exhibit, 38th Scoliosis Research Society Meeting, Quebec City, September 10-13 2003.

Johnston CE II: Treatment of congenital knee dislocation: femoral shortening and ACL reconstruction. International Pediatric Orthopedic Think Tank (IPOTT), Boston, October 15-18 2003.

Johnston CE II: invited faculty, International Pediatric Orthopedic Seminar, San Diego CA.,
1. Valgus osteotomy for severe AVN of the adolescent hip
2. Ipsilateral hip and knee surgery for severe complex congenital limb deformity.
3. Congenital dislocation of the knee: treatment by femoral shortening and ligament reconstruction.
4. IM rodding for congenital pseudarthrosis of the tibia – Charnley-Williams technique.
5. Physeal resection for grade III-IV infantile Blounts disease.

Johnston CE II: Congenital dislocation of the knee: treatment by limited open reduction, femoral shortening, and ACL reconstruction. Presented at the POSNA Specialty Day (AAOS annual meeting), San Francisco, March 13, 2004; European Paediatric Orthopaedic Society, Geneva, Switzerland, March 31-April 3, 2004

Johnston CE II: New treatment techniques in pediatric kyphosis deformities. Visiting professor, Beijing Children's Hospital, Beijing, P.R. China; Section of Spine Surgery, Chinese Orthopedic Association, 301 Military Hospital, Beijing; visiting professor, Tower Drum Hospital, Nanjing, P.R. China, May 13-18, 2004.

Johnston CE: Early onset scoliosis – treatment challenges. Patrick MacAuley Lecturer, Temple Street Children's University Hospital, Dublin, Ireland. July 10, 2004

Johnston CE: Treatment options in early onset scoliosis – avoiding thoracic insufficiency. SRS/POSNA Symposium on the Growing Spine. Children's Hospital, San Diego, CA. July 23, 2004; July 22, 2005.

Johnston CE, Milbrandt T: Down's syndrome and scoliosis: a sixty year experience at one institution. 39th Scoliosis Research Society, Buenos Aires, Argentina. September 6-9, 2004

Karol LA, Wilk B, Colby S, Johnston C: The effect of scoliosis fusion on spinal motion: comparison of fused vs. unfused patients. 39th Scoliosis Research Society, Buenos Aires, Argentina. September 6- 9, 2004

Johnston CE: Physeal bar resection for stage III-IV infantile Blount's disease. IPOTT meeting, Brisbane Australia, October 2004

Johnston CE: Medical sequelae of early onset scoliosis – revisited. Pediatric Grand Rounds, Children's Medical Center, Dallas, November 10 2004

Johnston CE: Visiting professor, Children's Orthopedic Day, The Children's Hospital, Denver, CO. April 1, 2005. 1. Neck deformity in children: torticollis; 2. Congenital knee instability.

Johnston CE: Visiting professor, Nemours Children's Clinic, Orlando, FL. June 2-4, 2005.
1. Epiphysiolysis in advanced stage infantile tibia vara.

2. Overview of management of early-onset Scoliosis.
3. Congenital knee instability and dislocation.

Johnston CE: Visiting professor, Children's Hospital Los Angeles, CA. April 6-7, 2006.
1. A tale of two tibias (congenital pseudarthrosis cases);
2. Treatment of advanced stage infantile tibia vara;
3. Cervical deformities in young children;
4. Treatment of congenital knee deformity and instability.

Johnston CE: Treatment of adolescent hyperkyphosis by posterior surgery with osteotomy only. Advanced techniques in deformity surgery for pediatric spine surgeons, Dallas, April 29-29 2006.

Johnston CE and Andrade N: Medial epiphysiolysis in severe infantile tibia vara. Pediatric Orthopedic Society of North America, San Diego CA., May 4-6 2006.

Johnston CE, Sanders JO, D'Astous JL: Casting and traction techniques. 41st Annual Scoliosis Research Society, Monterey, CA. September 13-16 2006

Johnston CE: Beattie Visiting Professor, Shriner's Hospital for Children, Portland OR. December 8-9, 2006
1. The challenge of early onset scoliosis
2. Congenital pseudarthrosis of the tibia (A tale of 2 tibias)
3. Neck deformities in children
4. Congenital deformities of the knee
5. Treatment of severe Blount's disease

Johnston CE II: Early onset scoliosis: defining the problem and patient evaluation. AAOS Instructional Course Lecture, San Diego CA. Feb 16 2007; AAOS San Francisco CA, Mar 5 2008; AAOS Las Vegas NV, Feb 26 2009

Johnston CE, Fallatah S, McClung A: Correlation of thoracic dimensions and CT volumes in early onset scoliosis. European Pediatric Orthopedic Society, Sorrento, Italy, April 11-14 2007

Johnston CE: 1. Posterior only treatment of kyphosis and scoliosis using pedicle screws and osteotomies. 2. Evaluation and assessment of the young child with spinal deformity. Faculty, Advanced Techniques in Deformity Surgery for Pediatric Spine Surgeons, Dallas TX, April 20-21 2007

Johnston CE: Alf Nachemson lecturer, Nordic Spinal Deformity Society, Uppsala, Sweden, May 29-30 2007.
1. Early onset scoliosis. Evaluation, prognosis, treatment.
2. Home-made VEPTRs
3. Complications of growing rod instrumentation

Johnston CE, d'Astous J, Sanders JO: faculty, Non-operative management of early onset spine deformity. POSNA tutorial, Salt Lake City, June 29 2007

Johnston CE, Richards BS, Sucato DJ, Lenke LG, Bridwell KH, Erickson MA: Preoperative Correlation of Sagittal, Coronal, and Axial Deformities to Pulmonary Function in AIS. 2007 IMAST e-poster ,

Emans J, Johnston C, Smith J: Preliminary halo-gravity traction facilitates insertion of growing rods or VEPTR devices in severe early onset spinal deformity. 42nd Scoliosis Research Society, Edinburgh, Scotland, September 5-8 2007

Johnston CE: Defining who needs fusionless treatment for early onset spine deformity. SRS Tutorial: Exotic Scoliosis: Treatment of Spinal Deformity in Children with Rare Syndromes. San Antonio Tx Oct.5-6 2007

Johnston CE: Organizing committee and faculty, 1st International Congress on Early-onset Scoliosis (ICEOS). Madrid, Spain, Nov. 2-3 2007.
Debate: traction vs. early surgery for early onset spinal deformity

Johnston CE: Monitoring treatment outcomes in early onset deformity – objective anatomic and physiologic measures of pulmonary and chest volume. 30th Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas, April 4-5 2008

Johnston CE, Richards BS, Sucato DJ et al: Decreased pulmonary function in postoperative AIS patients who remain hypokyphotic. 15th Annual IMAST, Hong Kong, July 8-11 2008

Johnston CE, D'Astous J, Sanders J: Early onset scoliosis tutorial. Natural history, pulmonary evaluation, casting techniques, traction techniques. Shriners Hospital, Salt lake City UT, Sept 8 2008

Johnston CE: Growing spine deformities. Experimental background of growth modulation. Instructional course lecture, 43rd Annual SRS meeting, Salt Lake City UT, Sept 10-13 2008

Walick K, McClung A, Sucato DJ, Johnston CE: Halo-gravity traction in severe pediatric spinal deformity. 43rd Annual SRS meeting, Salt Lake City UT, Sept 10-13 2008

Johnston CE: Organizing Committee and faculty, 2nd International Congress on Early-onset Scoliosis. Montreal PQ, Nov. 7-8 2008.
1. Outcome of early fusion in EOS
2. Debate: traction followed by cast or brace is the treatment of choice in syndromic deformity

Johnston CE: invited faculty, Winter Orthopedic Conference, University of New Mexico, Albuquerque, NM Jan 30-31 2009.
1. Congenital abnormalities of the knee
2. Congenital and developmental tibial dysplasia

Johnston CE: Infantile Blount Disease: Who's Best for Osteotomy. POSNA Specialty Day, AAOS Las Vegas NV, Feb. 28, 2009.

Johnst2on CE: Faculty, St Justine Pediatric Orthopedic Review Course, Montreal PQ. March 25-26 2009.

1. Scheuermann kyphosis – treatment
2. Angular deformity of the lower leg

Johnston CE : Growth modulation for treatment of spinal deformity. Presented at Brandon Carrell Visiting Professorship, Texas Scottish Rite Hospital, Dallas TX. March 27-28 2009.

Johnston CE: Chairman, SRS Regional Instructional Course, Beijing PRC, May 16-17 2009
1. EOS patient evaluation and treatment decisions
2. Pediatric kyphosis.

Johnston CE: Pediatric limb lengthening and deformity correction course, Texas Scottish Rite Hospital, Dallas TX , June 14 2009
1. Overview of treatment of congenital pseudarthrosis of the tibia.
2. Treatment of distal tibia valgus deformity

Johnston CE: Grice Memorial lecturer, Children's Hospital Boston, October 28 2009
1. Growth modulation of the spine – new ideas from old research
2. Physeal resection for severe Blount disease
3. Congenital knee instability and transphyseal ACL reconstruction in young children
4. Overview – congenital pseudarthrosis of the tibia

Johnston CE: inviter international lecturer, 41st Congresso Brasiliero de Ortopedia y Traumatologia Rio de Janiero, Oct 31-Nov 2 2009
Early onset scoliosis – Patient Evaluation and Treatment Options
Children Lower Limb Angular Deformities
Painful Foot in Adolescents
Neck/cervical spine deformities in children
Complications of fusionless deformity treatment + future directions
Congenital deformities of the knee (dislocation, flexion contracture)
Overview of Congenital Pseudarthrosis of the Tibia

Johnston CE: Organizing Committee, 3rd International Congress on Early Onset Scoliosis and Growing Spine, Nov 20-21 2009, Istanbul, Turkey
1. Growth modulation 2009 – invited lecture
2. Casting and traction workshop (with James Sanders)
3. CT lung volumes in EOS – clinical applications

Johnston CE II (moderator), Vitale M, Zeller R: Early-onset and congenital spine deformity. Instructional Course Lecture, AAOS Annual Meeting New Orleans March 12 2010

Johnston CE : South African Spine Society international faculty; Chairman, SRS Regional instructional course, Capetown, South Africa. May 19-22, 2010
1. Pitfalls in diagnosis and non-operative management idiopathic scoliosis
2. Pediatric neck deformities
3. Syndromic spine deformity
4. Workshop – occipito-cervical fixation techniques in children

McClung A, Johnston CE, Fallatah S: CT Lung volume studies are still necessary to document volume changes in early-onset scoliosis. 17th Annual IMAST, Toronto, ON. July 21-24, 2010

Johnston CE, McClung A, Garg S: Increased rates of anchor failure can be predicted by an early onset scoliosis severity score. 17th Annual IMAST, Toronto, ON. July 21-24, 2010

Johnston CE: Invited faculty, SRS-AMCICO Regional Instructional Course, Acapulco, September 12-13,2010.

1. Delaying tactics – early onset scoliosis.
2. Final surgical procedure – when, what, why

Johnston CE: Cervical Spine Deformities in Children. Toronto Spine Program Visiting Professor, Mt. Sinai Hospital Center, Toronto, ON . Oct 22 2010

Johnston CE: Invited international Faculty, International Pediatric Orthopedic Seminar, Barcelona Spain, Nov 5-6 2010

1. Lower leg congenital abnormalities
2. Spondylolysis/spondylolisthesis
3. Early onset scoliosis – patient evaluation and treatment options

Johnston CE: Program director, 4th International Congress on Early Onset Scoliosis (ICEOS). Toronto, ON. Nov 19-20, 2010

1. Outcome of Early Fusion – What We Know
2. Serial Casting As A Delay Tactic In The Treatment Of Moderate To Severe Early Onset Scoliosis. *Nicholas Fletcher, MD; Anna McClung, RN; Charles E. Johnston, MD*
3. Increased Rates of Anchor Failure can be Predicted by an Early Onset Scoliosis Severity Score. *Sumeet Garg, MD; Anna McClung, BSN; Charles E. Johnston, MD*
4. Head/Neck Deformity with OCTO (Oblique Cervical Take-off) Moderator: *C. Johnston* Panel: R *Campbell, L. Letko, D. Skaggs*
5. Apical Correction is Critical for Growing Instrumentations

Johnston CE (moderator), Vitale M, Zeller R: Congenital and Early-onset Scoliosis. AAOS Instructional Course Lecture #466, San Diego, CA. February 18, 2011.

Johnston CE: Guest Lecturer, Turkish Spine Conference, Istanbul, Turkey, 4/27/11 – 5/5/11.

1. Delaying tactics – traction and casting to delay surgery in young children.
2. Cervical deformity in young children.
3. Early onset scoliosis – patient evaluation and documentation.

Fletcher ND, McClung A, Browne R, Johnston CE: E-poster. Serial casting as a delay tactic for moderate to severe early onset scoliosis. POSNA Annual Meeting, Montreal, Quebec. 5/11/11 – 5/14/11.

Schiller JR, Johnston CE, Karol LA, Tulchin K, Daniel C: Presentation. Treatment of congenital pseudarthrosis of the tibia: a long-term function study. POSNA Annual Meeting, Montreal, Quebec. 5/11/11 – 5/14/11

Johnston CE, Richards BS, Sucato DJ, Bridwell KH, Lenke LG, Erickson M: Improvement in

Pulmonary function at 2 Years Following Corrective Surgery for AIS? A Prospective Study. 46th SRS Annual Meeting, Louisville, KY, 9/14 - 9/17/11.

Fletcher ND, McClung A, Rathjen KE, Browne R, Johnston CE: Serial casting as a delay tactic in the treatment of moderate to severe early onset scoliosis. 46th SRS Annual Meeting, Louisville, KY, 9/14 - 9/17/11.

Johnston CE: Guest Lecturer, Argentine Association of Orthopaedics & Traumatology, Buenos Aires, Argentina, 11/28 – 12/2/11.

1. Tactics to delay surgical treatment in EOS.
2. The lower extremities in skeletal dysplasia.
3. The spine in skeletal dysplasia.
4. The selection of treatment in rigid curves – timing of osteotomy.

Johnston CE, McClung A, Thompson GH, Poe-Kochert C, et al. Comparison of growing rod vs. cast treatment for early-onset scoliosis. European Paediatric Orthopaedic Society, Helsinki, Finland 4/18-4/21/12; paper #53, Pediatric Orthopedic Society of North America, Denver, CO. 5/16-19/2012; paper # 29, 47th Scoliosis Research Society, Chicago, Sept 5-8 2012

Johnston C, Martin B, Denning JR, et al. Incidence of intrathecal anomalies in infantile idiopathic scoliosis (IIS). Paper #37, EPOS, Helsinki, Finland. 4/18-21/2012

Johnston C. Sagittal plane abnormality associated with early-onset scoliosis. Symposium: sagittal plane problems in the paediatric spine. EPOS, Helsinki, Finland, 4/19/12.

Johnston CE II, McClung A: Pulmonary function outcomes in early-onset scoliosis – operative vs. non-operative treatment. EPOS, Helsinki, Finland. 4/18-21/2012 (e-poster), POSNA Spine Symposium, Denver CO. 5/17/12 (presentation).

Johnston C., Muchow R.: Spinal penetration index and outcome in early onset scoliosis. Spinal Penetration Study Group, Chicago, IL., 9/4-12/12.

Johnston CE: What non-fusion scoliosis techniques have evolved for the treatment of the growing spine and have stood the test of time: vertebral body stapling, Shilla, and tethers. Pre-meeting course, 47th Scoliosis Research Society, Chicago, Sept 5-8 20102

Johnston CE: Roundback and Scheuermann's. Half-day course, "Sagittal Plane Deformity-Cradle to Grave", 47th SRS Chicago, Sept 5-8 2012

Johnston, C.E.: Effects of Growing Instrumentation on Endothoracic Deformity in Early Onset Scoliosis Utilizing the Spinal Penetration Index. ICEOS, Dublin, Ireland, November 15-16, 2012.

Johnston, C.E.: (invited faculty) SRS Worldwide Regional Course – Ho Chi Minh City, Viet Nam, November 27 – December 5, 2012:

1. Pitfalls in diagnosis of idiopathic deformity
2. Delaying tactics in early onset scoliosis
3. Dysplastic / syndromic kyphosis

Johnston, C.E.: (invited faculty) First Jeddah Spine Conference – Jeddah, Saudi Arabia, February 20 – March 1, 2013.

1. Pediatric cervical spine deformities
2. Early thoracic spine fusion – what have we learned?
3. Growth modulation and guidance – new developments in EOS tx
4. Pediatric kyphosis – spectrum of tx difficulty
5. Pitfalls in diagnosis / evaluation of idiopathic scoliosis
6. Posterior column shortening in kyphotic spine deformity

Johnston, C.E.: Effects of growing instrumentation on endothoracic deformity in EOS utilizing the SPI. EPOS Annual Mtg, Athens, Greece, April 17-20, 2013.

Johnston, C.E.: (invited faculty) Lower Extremity and Neuromuscular Subspecialty Day, POSNA Annual Meeting, Toronto, Ontario, Canada, May 3, 2013.

Yamaguchi, K.T., Skaggs, D.L., Mansour, S.; Johnston, C.E., et al: (e-Poster) Are proximal rib anchors protective against rod breakage in distraction-based growing rods? POSNA Annual Meeting, Toronto, Ontario, Canada, May 1 - 4, 2013.

Johnston, C.E.: (Visiting Professor) Sutherland Visiting Professorship, San Diego, CA, May 16 – 17, 2013.

1. Pseudarthrosis of the tibia – update on current management
2. Treatment options for severe foot deformities
3. Understanding the child's cervical spine – guidelines for the pediatrician and orthopaedic Surgeon
4. World Peace, International Diplomacy, and the Game of Golf

Johnston, C.E.: (Visiting Professor) EOS – the Big Picture. University of Arkansas Medical School, Little Rock, AR, June 24 – 25, 2013.

Publications

Johnston, C.E. II; Wang, G.J.; Croft, B.; and Sussman, M.D.: The Circulatory Anatomy of the Distal Femoral Epiphysis in the Dog. **Transactions 26th Orthopaedic Research Society**, Atlanta, 1980, p.263.

Johnston, C.E. II; Hakala, M.W.; and Rosenberger, R.: Orthotic Management of Paralytic Spinal Deformity in Spinal Discontinuity Syndromes. **J Pediatr Orthop** 2:233-241, 1982.

Johnston, C.E. II; Ripley, L.R.; Bray, C.B.; Shaffer, L.W.; Henning, G; and Pruner, R.A.: Primary Endoprosthetic Replacement for Acute Femoral Neck Fractures - A Review of 150 Cases. **Clinical Orthopaedics and Related Research** 167:123-130, 1982.

Schutte, M.D. and Johnston, C.E. II: Bilateral Middle Facet Talocalcaneal Coalition. **Orthopedics** 5:1524-1534, 1982.

Schutte, M.D. and Johnston, C.E. II: Avascular Necrosis Following Closed Treatment of CDH. A Case Report of the Long Term Sequelae. **Orthopedics** 6:85-100, 1983.

Johnston, C.E. II: Congenital Pseudarthrosis of the Tibia. **Orthopedics** 6:358-367, 1983.

Johnston, C.E. II: Scoliosis in Metatropic Dwarfism. **Orthopedics** 6:491, 1983.

Johnston, C.E. II: Congenital Short Femur with Coxa Vara. **Orthopedics** 6:892-898, 1983.

Johnston, C.E. II and Siegel, M.S.: Chiari Osteotomy for Severe Deformity in Legg-Calve-Perthes Disease. **Orthopedics** 6:1199-1203, 1983.

Johnston, C.E. II: Recurrent Valgus Deformity Following Treatment for Congenital Dislocation of the Hip. **Orthopedics** 6:1661-1666, 1983.

Bernard, T.N. Jr.; Johnston, C.E. II; Roberts, J.M.; and Burke, S.W.: Late Complications Due to Wire Breakage in Segmental Spinal Instrumentation. **J Bone Joint Surg** 65-A: 1339-1345, 1983.

Johnston, C.E. II: Late Onset Tibia Vara (Adolescent Blount's Disease). **Orthopedics** 7:734-739, 1984.

Johnston, C.E. II and Schutte, J.: The Grice Operation in Cerebral Palsy. **Orthopedics** 7:1223-1227, 1984.

Johnston, C.E. II and Hernandez, A.A.: Prophylactic Pinning in Slipped Upper Femoral Epiphysis. **Orthopedics** 7:1502-1507, 1984.

Fletcher, R.; Johnston, C.E. II and Roberts, J.M.: Aneurysmal Bone Cyst: A Report of Three Cases and Analysis of the Role of Trauma in Pathogenesis. Submitted for Publication.

Bernard, T.N. Jr.; Burke, S.W.; Johnston, C.E. II; Roberts, J.M.: Congenital Spine Deformities. A Review of 47 cases. **Orthopedics** 8:777-783, 1985.

Fletcher, R.R. and Johnston, C.E. II: Greater Trochanteric Advancement for the Treatment of Coxa Brevis Associated with Congenital Dislocation of the Hip. **Orthopedics** 8:519-525. 1985.

Burke, S.W.; French, H.G.; Roberts, J.M.; Johnston, C.E. II; Whitecloud, T.S.; and Edmunds, J.O. Jr.: Chronic Atlantoaxial Instability in Down's Syndrome. **J Bone Joint Surg**: 67-A, 1356-1360, 1985.

Johnston, C.E. II; Norris, R.; Burke, S.W.; Happel, L.; King, G.A.; and Roberts, J.M.: Delayed Paraplegia Complicating Segmental Spinal Instrumentation. **J Bone Joint Surg** 68-A: 556-563, 1986.

French, H.G.; Burke, S.W.; Roberts, J.M.; Johnston, C.E. II; Whitecloud, T.S.; and Edmunds, J.O. Jr.: Upper Cervical Ossicles in Down's Syndrome. **J Pediatr Orthop** 7:69-71, 1987.

Burke, S.W.; Jameson, V.P.; Roberts, J.M.; Johnston, C.E. II and Willis, J.: Birth Fractures in Spinal Muscular Atrophy. **J Pediatr Orthop** 6:34-37, 1986.

Burke, S.W.; Macey, T.I.; Roberts, J.M.; and Johnston, C.E. II: Congenital Dislocation of the Hip in the American Black. **Clinical Orthopaedics and Related Research** 192:120-123, 1985.

Johnston, C.E. II and Roach, J.R.: Dorsal Bunion Following Clubfoot Surgery. **Orthopaedics** 8:1036-1040, 1985.

Loder, R.T.; Birch, J.G.; and Johnston, C.E. II: Concomitant Discitis and Spondylolisthesis at Adjacent Lumbar Vertebrae. **Orthopedics** 9:283-285, 1986.

Beskin, J.L.; Burke, S.W.; Johnston, C.E. II; Roberts, J.M.: Clinical Basis for a Mechanical Etiology in Adolescent Blount's Disease. **Orthopedics** 9:365-370, 1986.

Pribyl, C.; Burke, S.W.; Roberts, J.M.; Mackenzie, F.R.; Johnston, C.E. II: Infiltrating Angiolipoma or Intramuscular Hemangioma? A Report of Five Cases. **Journal of Pediatric Orthopedics** 6:172-176, 1986.

Johnston, C.E. II; Wenger, D.R.; Roberts, J.M.; Burke, S.W.; and Roach, J.W.: Acetabular Coverage: Three-Dimensional Anatomy and Radiographic Evaluation. **Journal of Pediatric Orthopedics** 6:548-558, 1986.

Johnston, C.E. II: Post Laminectomy Kyphoscoliosis Following Surgical Treatment for Spinal Cord Astrocytoma. **Orthopedics** 9:587-594. 1986.

Bone, L.B.; Johnston, C.E. II; and Bucholz, R.W.: Unicameral Bone Cyst. **Orthopedics** 9:1155-1161, 1986.

Loder, R.T. and Johnston C.E. II: Infantile Tibia Vara. **J Pediatr Orthop** 7:639-646, 1987.

Johnston, C.E. II; Ashman, R.B.; Sherman, M.C., et al: Mechanical Consequences of Rod Contouring and Residual Scoliosis in Sublaminar Segmental Instrumentation. **J Orthop Res** 5:206-216, 1987.

Johnston, C.E. II and Fletcher, R.R.: Traumatic Transformation of Unicameral Bone Cyst Into Aneurysmal Bone Cyst. **Orthopedics** 9:1441-1447, 1986

Ashman, R.B.; Birch, J.G.; Bone, L.B.; Corin, J.D.; Herring, J.A.; Johnston, C.E. II; Ritterbush, J.F., and Roach, J.W.: Mechanical Testing of Spinal Instrumentation. **Clinical Orthopaedics and Related Research** 227:113-125, 1988.

Bone, L.B.; Johnston, C.E. II; Ashman, R.B.; Roach, J.W.: Mechanical Comparison of Anterior Spinal Instrumentation in a Burst Fracture Model. **Journal of Orthopaedic Trauma** Vol 2; No. 3:195-201, 1988.

Johnston, C.E. II: Genu Valgum Associated with Short Stature. **Orthopedics** 10:370-376, 1987.

Beck, C.L.; Burke, S.W.; Roberts, J.M.; and Johnston, C.E. II: Physeal Bridge Resection in Infantile Blount Disease. **J Pediatr Orthop** 7:161-163, 1987.

Richards, B.S.; and Johnston, C.E. II: Cotrel-Dubousset Instrumentation for Adolescent Idiopathic Scoliosis. **Orthopedics** 10:649-654, 1987.

Sullivan, J.A.; Davidson, R.; Renshaw, T.S.; Emans, J.B.; Johnston, C.E. II; and Sussman, M.: Further Evaluation of the Scolitron Treatment of Idiopathic Adolescent Scoliosis. **Spine** 11:903-906, 1986.

Herring, J.A. and Johnston, C.E. II: Lytic Lesion of C2. Instructional case. **J Pediatr Orthop** 7: 481-483, 1987.

Jarvis, J.G.; Ashman, R.B; Johnston, C.E. II; and Herring, J.A.: The Posterior Tether in Scoliosis. **Clinical Orthopaedics and Related Research** 227:126-134, 1988.

Birch, J.G.; Herring, J.A.; Roach, J.W.; and Johnston C.E. II: Cotrel-Dubousset Instrumentation in Idiopathic Scoliosis. **Clinical Orthopaedics and Related Research** 227:24-29, 1988.

Ackman, J.D.; Rouse, L.; and Johnston, C.E. II: Radiation Induced Physeal Injury. **Orthopedics** 11:343-349, 1988.

Johnston, C.E. II and Sklar, F.: Multiple Hereditary Exostosis with Spinal Cord Compression. **Orthopedics** 11:1213-1216, 1988.

Ashman, R.B.; Bechtold, J.E.; Edwards, W.T.; Johnston, C.E. II; McAfee, P.C.; and Tencer, A.F.: In Vitro Spinal Arthrodesis Implant Mechanical Testing Protocol. **Journal of Spinal Disorders** 2:274-281, 1989.

Richie, M.F., and Johnston, C.E. II: Management of Developmental Coxa Vara in Cleidocranial Dysostosis. **Orthopedics** 12:1001-1004, 1989.

Ashman, R.B.; Galpin, R.D.; Corin, J.D.; and Johnston, C.E. II: Biomechanical Analysis of Pedicle Screw Instrumentation Systems in a Corpectomy Model. **Spine** 14:1398-1405, 1989.

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Johnston, C.E. II: Infantile Tibia Vara. **Clinical Orthopaedics and Related Research** 255:13-24, 1990.

Johnston, C.E. II; Ashman, R.B.; Baird, A.M.; Allard, R.N.: Effects of Spinal Construct Stiffness on Early Fusion Mass Incorporation. Experimental Study. **Spine**, 15:908-912, 1990.

Viere, R.G., Birch, J.G., Herring, J.A., Roach, J.W. and Johnston, C.E.: Use of Pavlik Harness in Congenital Dislocation of the Hip. **Journal of Bone and Joint Surgery** 72-A: 238-244, 1990.

Pruner R.A. and Johnston C.E. II: Avulsion Fracture of the Ischial Tuberosity. **Orthopedics** 13: 357-8, 1990.

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Blanco, J.S., Taylor, B., and Johnston, C.E. II: Comparison of Single Pin Versus Multiple Pin Fixation in Treatment of Slipped Capital Femoral Epiphysis. **Journal of Pediatric Orthopedics** 12: 384-389, 1992.

Johnston C.E. II, Welch R.D., Baker K.J., and Ashman R.B.: Effect of Spinal Construct Stiffness on Short Segment Fusion Mass Incorporation. **Spine**, 20: 2400-2407, 1995.

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Turi, M., Johnston, C.E., Richards, B.S: Anterior Correction of Idiopathic Scoliosis Using TSRH Instrumentation. **Spine** 18: 417-422 1993.

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Tuncay, I.C., Johnston, C.E. II, and Birch, J.G.: Spontaneous Resolution of Congenital Anterolateral Bowing of the Tibia. **J. Pediatric Orthop**. 14: 599-602, 1994.

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