

## **CURRICULUM VITAE**

**John G. Thometz MD**

**Professor  
Department of Orthopaedic Surgery  
Division of Pediatric Orthopaedic Surgery**

### **OFFICE ADDRESS:**

Children's Corporate Center  
999 N 92 St  
Milwaukee, WI 53226

### **EDUCATION:**

1971 - 1973 B.S.M., Northwestern University, Chicago, Illinois  
1973 - 1974 Loyola University, Rome, Italy  
1974 - 1978 M.D., Northwestern Medical School, Chicago, Illinois  
1978 Surgical Scholarship, Addenbrooke Hospital, Cambridge, England

### **POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:**

1978 - 1979 Intern - General Surgery, Loyola University, Chicago, IL  
1979 - 1980 Resident, Surgery, Loyola University, Chicago, IL  
1980 - 1984 Resident - Orthopaedic Surgery, Northwestern University, Chicago, IL  
1984 - 1985 Postgraduate Fellow in Pediatric Orthopaedics, Harvard University, Children's Hospital, Boston, MA

### **FACULTY APPOINTMENTS:**

1985 - 1992 Assistant Professor, Department of Orthopaedic Surgery, Medical College of Wisconsin, Milwaukee, WI  
1992 - 2000 Associate Professor, Department of Orthopaedic Surgery, Medical College of Wisconsin, Milwaukee, WI  
1996 - 2000 Post Graduate Class 2000 Advisor, Medical College of Wisconsin, Milwaukee, WI  
2000 - Present Professor, Department of Orthopaedic Surgery, Medical College of Wisconsin, Milwaukee, WI  
2000 - Present Adjunct Professor, Orthopaedic and Rehabilitation Engineering Center (OREC), Marquette University, Milwaukee, WI

### **HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:**

1991 - 07/2021 Medical Director, Pediatric Orthopaedic Surgery, Department of Orthopaedic Surgery, Medical College of WI / Children's Hospital of WI, Milwaukee, WI  
06/2019 Emeritus Medical Director, Spina Bifida, Children's Hospital of WI, Milwaukee, WI

### **RESEARCH ADMINISTRATIVE APPOINTMENTS:**

2017 - Present Vice Chair of the Resident Research Committee, Orthopaedic Surgery, Medical College of WI, Milwaukee, WI  
2019 - Present Co-Program Director Advanced Rehabilitation Research Training (ARRT), Orthopedic Surgery, Medical College of WI, Milwaukee, WI

### **HOSPITAL STAFF PRIVILEGES:**

1985 - Present Children's Hospital of Wisconsin, 9000 W Wisconsin Avenue, Milwaukee WI 53201

### **SPECIALTY BOARDS AND CERTIFICATION:**

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
American Board of Orthopaedic Surgeons	1987	2027

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Wisconsin License			10/31/2023

#### **AWARDS AND HONORS:**

1988 Teacher of the Year, Department of Orthopaedic Surgery, Medical College of Wisconsin  
 2000 Teacher of the Year, Department of Orthopaedic Surgery, Medical College of Wisconsin  
 2010 Louis A Goldstein Award-Best Clinical Poster Presentation; 2010 Scoliosis Research Society Annual Meeting  
 2011 Best Doctors in America  
 2012 Best Doctors in America  
 2013 Best Doctors in America  
 2014 M Magazine Best Doctors List  
 2014 Best Doctors in America  
 2015 M Magazine Best Doctors List  
 2016 M Magazine Best Doctor List  
 2017 Best Doctors in America  
 2018 M Magazine Best Doctors List  
 2019 MKE Lifestyle Magazine Best Doctors List  
 2020 MKE Lifestyle Magazine Best Doctors List  
 2021 MKE Lifestyle Magazine Best Doctors List

#### **MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:**

1986 American Medical Association  
 1986 Wisconsin State Medical Society  
 1986 Medical Society of Milwaukee County  
 1986 Wisconsin Orthopaedic Society  
 1987 American Academy of Cerebral Palsy  
 1987 American Academy of Orthopaedic Surgeons  
 1989 American Academy of Orthopaedic Surgeons Fellow  
 1989 Pediatric Orthopaedic Society of North America  
 1991 Mid-America Orthopaedic Association  
 1994 Academic Orthopaedic Society  
 1995 Scoliosis Research Society  
 1996 Socete Internationale de Chirurgie Orthopedique et de Traumatologie  
 1996 Milwaukee Pediatric Society  
 2003 American Orthopaedic Association 2003

#### **EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:**

Journal Review  
 1993 - 2002 Clinical Orthopaedics and Related Research  
 1996 - 2002 American Journal of Orthopaedics  
 2010 - Present Spine Journal  
 2011 - Present Orthopaedic Knowledge Online Journal  
 2015 - Present Journal of Pediatric Orthopedics

#### **NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:**

1989 Fellow American Academy of Orthopaedic Surgery  
 1998 Pediatric Orthopaedic Society of North America, representing State of Wisconsin  
 2000 - 2001 By-Laws Committee, Mid-America Orthopaedic Association  
 2008 - 2011 Nonoperative Management Committee, Scoliosis Research Society  
 2011 - 2014 Program Committee, Scoliosis Research Society

2013 - 2017 Growing Spine Committee, Scoliosis Research Society  
2018 - 2021 Co-Chair, 2020 Annual Meeting Planning Committee, IRSSD

## **RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:**

### **Active**

#### **Peer Review**

Title: Bracing vs Casting in the Treatment of  
Idiopathic Early-Onset Scoliosis  
Source: OREF  
Role: MCW PI  
Dates: 2020 - 2023

#### **Non-Peer Review**

Title: U.S. Department of Health and Human  
Services –National Institute on  
Disability, Independent Living, and  
Rehabilitation Research (NIDILRR):  
Advanced Rehabilitation Research  
Training in Pediatric Mobility for  
Physicians and Engineers.  
90ARHF0006-01-00.  
Dates: 09/30/2020 - 09/29/2025

### **Prior**

#### **Peer Review**

Source: Orthopaedic Research and Education  
Foundation (OREF)  
Dates: 2004  
Direct Funds: \$150,000

Title: Development of Dynamic Pedorthosis  
for Improving Clubfoot Correction  
Source: National Institute on Disability and  
Rehabilitation  
Dates: 2006  
Direct Funds: \$450,000

Title: Clinical Reliability and Validity of a  
Foot Model-Assessing efficacy and  
functional outcome with orthotic  
intervention in children with CP  
Source: National Institute on Disability and  
Rehabilitation  
Dates: 2006  
Direct Funds: \$450,000

Title: 3D Fluoroscopy and Pressure Validated  
Orthotics in the Application of Pediatric  
Flatfoot  
Source: Rehabilitation Engineering Research  
Center on technologies for Children with  
Orthopedic Disabilities, National  
Institute on Disability and Rehabilitation  
Research (H133E100007)  
Role: Investigator for D4

PI:	Dr. Harris
Dates:	10/01/2010 - 09/30/2015
Direct Funds:	\$4,500,000
Title:	Effect of Torque on Aymmetric Remodeling of the Vertebral Growth Plate
Source:	Scoliosis Research Society
Role:	Co-Investigator
Dates:	10/01/2013 - 09/30/2015
Direct Funds:	\$3,000

#### **Non-Peer Review**

Title:	Quantec Spinal Measuring System
Source:	Variety Club of Wisconsin
Dates:	1996
Direct Funds:	\$50,000 (for purchase)

Title:	Emed Platform Measuring System
Source:	Variety Club of Wisconsin
Dates:	1998
Direct Funds:	\$50,000 (for purchase)

Title:	Kinematic and Kinetic Analysis of the Lower Extremity During Walking
Source:	Variety Club Children's Foundation of Wisconsin
Dates:	2001
Direct Funds:	\$100,000 (for purchase)

Title:	Functional Magnetic Resonance Image Before and After CIMT in Children with Hemiplegic CP
Source:	United Cerebral Palsy Research and Education Foundation
Dates:	2003
Direct Funds:	\$84,894

Title:	A Novel Flexible Spinal System for Modulation of Spinal Growth in Goats
Source:	EBI Biomedical System Research
Dates:	2003
Direct Funds:	\$30,000

Title:	Development of Dynamic Pedorthosisas Community-based Rehabilitation for an Improvement of Clubfoot Correction
Source:	Rehabilitation Engineering Research Center (NIDRR)
Dates:	2005

Title:	Functional Evaluation of Pediatric Foot Deformity-Clubfoot
Source:	Rehabilitation Engineering Research Center (NIDRR)
Dates:	2005

Title:	New EMED Pressure System Software Analysis
Source:	Children's Hospital of WI
Dates:	2005
Direct Funds:	\$25,900

  

Title:	Finite Element Analysis for the Novel Spinal Device in Pig Spine
Source:	Intramural Pediatric Orthopaedic Grant
Dates:	2005
Direct Funds:	\$2,500

  

Title:	Accuracy and Prediction of Functional Scoliosis Classification System Based Upon Quantec
Source:	Intramural Orthopaedic Grant
Dates:	2005
Direct Funds:	\$1,640

  

Title:	Development of Zebrafish (Danio rerio) as a natural model system for studying scoliosis-Phase I
Source:	Orthopaedic Surgery Department, MCW
Dates:	2008
Direct Funds:	\$10,000

  

Title:	Identification of Genetic Risk Factors and Disease Modifiers in Adolescent Idiopathic Scoliosis
Source:	Texas Scottish Rite Hospital for Children
Role:	Investigator
Dates:	02/01/2009 - 01/30/2011
Direct Funds:	\$2,000

#### **INVITED LECTURES/WORKSHOPS/PRESENTATIONS:**

##### **Local**

Thometz JG: School Screening and Scoliosis. Milwaukee Public School Nurses, Milwaukee, Wisconsin, 09/1985

Thometz JG: Torsional Deformities of the Lower Extremities. Presented at Grand Rounds, Children's Hospital of Wisconsin, 10/1985

Thometz JG: Pediatric Orthopaedic Emergencies. Presented at E.R. Grand Rounds - Froedtert, 03/1986

Thometz JG: Idiopathic Scoliosis. Symposium for Pediatric Residents, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 08/1986

Thometz JG: Pediatric Sports Medicine. Grand Rounds, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 12/1986

Thometz JG: Examination of the Knee. Presented to the Milwaukee County School Screening Nurses, Milwaukee, Wisconsin, 05/1987

Thometz JG: Common Orthopaedic Problems of the Young Child. Milwaukee School Screening Nurses, Milwaukee, Wisconsin, 06/1987

Children's Hospital Symposium for Parents of Children with Spina Bifida, Milwaukee, Wisconsin, 06/1987

Thometz JG: Aspect of Pediatric Orthopaedics, Symposium on Orthopaedics for the Primary Care Physician. St. Francis Hospital, Milwaukee, Wisconsin, 07/1987

Thometz JG: Neonatal Orthopaedic Problems. Presented to the Neonatal ICU Physicians - Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 07/1987

Thometz JG: Orthopaedic Aspects of Muscular Dystrophy. Curative Rehabilitation, Milwaukee, Wisconsin,

03/1988

- Thometz JG: Pelvic Osteotomies for Acetabular Dysplasia. Grand Rounds, St. Francis Hospital, Milwaukee, Wisconsin, 04/1988
- Thometz JG: Pitfalls in Evaluation of the Pediatric Hip. Grand Rounds, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 06/1988
- Thometz JG: The Pre-Participation Sports Physical Examination. Grand Rounds, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 08/1988
- Thometz JG: Pediatric Orthopaedic Diagnoses. Nursing Grand Rounds, St. Francis Hospital, Milwaukee, Wisconsin, 10/1988
- Thometz JG: Introduction to Common Problems in Pediatric Orthopaedics. Junior Medical Students, Milwaukee, Wisconsin, 10/1988
- Thometz, JG: Common Pediatric Foot Deformities. Grand Rounds, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 11/1989
- Thometz JG: Idiopathic Scoliosis, Assessment and Treatment. Grand Rounds, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 04/1990
- Walter P. Blount Pediatric Orthopaedic Symposium, Fontana, Wisconsin, 10/1991
- Current Concepts in the Care of Children with Myelomeningocele Symposium, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 12/1992
- Current Concepts in the Care of Children with Myelomeningocele Symposium, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 01/1994
- Thometz JG: Adolescent Idiopathic Scoliosis. Wisconsin Orthopaedic Nurses Society, Milwaukee, Wisconsin, 03/1994
- Walter P. Blount Pediatric Orthopaedic Symposium, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 04/1994
- Spina Bifida Symposium, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 04/1996
- Walter P. Blount Pediatric Orthopaedic Symposium - Current Concepts on Pediatric Fracture Treatment, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 04/1997
- Thometz JG: Spine in Sports Panel Member. Wisconsin Back Society, Milwaukee, Wisconsin, 05/1997
- Thometz JG: Spine and the Young Athlete. Wisconsin Back Society, Milwaukee, Wisconsin, 05/1997
- Thometz JG: Foot Abnormalities in the Young Child. National Pedorthics Review Course, Medical College of Wisconsin, Milwaukee, Wisconsin, 08/1997
- The Child's Hip Symposium, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 10/1997
- Walter P. Blount Pediatric Orthopaedic Symposium, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 05/1998
- Thometz JG: Back Injuries. Pediatric Sports Conference: Issues and Controversies. Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 09/1998
- Thometz JG: Scoliosis and Bracing. Midwest Chapter of the American Academy of Orthotists and Prosthetists annual meeting, Lake Geneva, Wisconsin, 06/1999
- Thometz JG: Spondylolisthesis. The Aching Back Symposium, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 10/1999
- Thometz JG: New advances in the assessment and treatment of patients with scoliosis. The Aching Back Symposium, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 10/1999
- The Aching Back Symposium, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 10/1999
- Thometz JG: Spinal disorders in children. Pediatric Grand Rounds, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 09/2000
- Thometz JG: Deformity and instability in the pediatric cervical spine. 10th Annual Spine Symposium, Advances in Cervical spine Surgery, Medical College of Wisconsin at Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 02/2001
- Scoliosis Symposium, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 05/2002
- Thometz JG: Recent Developments in the Management of Childhood Scoliosis. 13th Annual Spine Symposium, Medical College of Wisconsin at Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 03/2003
- Clinical Gait Analysis in Children with LE Deformities. Dept. of Orthopaedic Surgery. Grand Rounds, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 01/2008
- NIDRR funded annual meeting for the development of dynamic pedorthosis for clubfoot; Preliminary results, progress and functional outcome. Country Inn and Suites, Brookfield, Wisconsin, 10/2008
- NIDRR funded annual meeting for the development of dynamic pedorthosis for clubfoot. A short-term results

and compliance with the use new dynamic pedorthosis. Harmony Inn, Greendale, Wisconsin, 09/2009  
 Combined NIDRR funded annual meeting for the development of dynamic pedorthosis for clubfoot and for clinical rehabilitatee and validity of a foot model; Summary and Prediction. Children's Hospital of WI, Milwaukee, Wisconsin, 12/2010

Thometz, JG, Scoliosis; Natural History and Management., Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 12/2010

Thometz, JG, Genetic Based Disorders, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 03/23/2011

Thometz, JG, Mini Spine Symposium, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 05/2011

Thometz, JG, Pediatric Spine Overview; The Rules, Department of Orthopaedic Surgery; Grand Rounds, Milwaukee, WI, 01/11/2012

Thometz, JG, Update on Genetic Bases of Disorders with Orthopedic Manifestations, Department of Orthopaedic Surgery; Grand Rounds, Milwaukee, WI, 11/14/2012

Thometz, JG, Mini Pediatric Symposium, Department of Orthopaedic Surgery; Grand Rounds, Milwaukee, WI, 04/03/2013

Thometz, JG, Spina Bifida, Department of Orthopaedic Surgery; Grand Rounds, Milwaukee, WI, 05/22/2013

Thometz, JG, Myelomeningocele, Department of Orthopaedic Surgery; Grand Rounds, Milwaukee, WI, 11/13/2013

Thometz, JG, Neuromuscular Disorders, Dystrophies, SMA, CMT, Department of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 01/22/2014

Thometz, JG, Mini Pediatric Symposium, Department of Orthopaedic Surgery; Grand Rounds, Milwaukee, WI, 03/26/2014

Thometz, JG, Early Onset Scoliosis / Congenital Scoliosis, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 09/24/2014

Thometz, JG, Cervical Spine, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 12/10/2014

Thometz, JG, Mini Pediatric Symposium, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 03/11/2015

Thometz, JG, Genetic Based Disorders, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 04/08/2015

Thometz, JG, Myelomeningocele, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 10/28/2015

Thometz, JG, Neuromuscular Disorders, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 02/24/2016

Thometz, JG, Genetic Bases of Disorders with Orthopaedic Manifestations, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 11/23/2016

Thometz, JG, C-Spine Anomalies and Kyphosis in Children, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 01/11/2017

Thometz, JG, Myelomeningocele, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 04/12/2017

Thometz, JG, Congenital Scoliosis, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 06/28/2017

Thometz, JG, Myelomeningocele, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 01/10/2018

Thometz, JG, Neuromuscular Disorders, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 02/28/2018

Thometz, JG, Genetic Disease in Orthopaedics, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 12/19/2018

Thometz, JG, Scoliosis (early onset/congenital), Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 01/09/2019

Thometz, JG, C-spine, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 03/27/2019

Thometz, JG, Schuermann's, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 04/10/2019

Thometz, JG., Scoliosis (Early onset/Congenital), Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 02/10/2021

Thometz, JG, Neuromuscular Disorders (Dystrophies, SMA, CMT), Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 01/12/2022

Thometz, JG, Myelomeningocele, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI, 03/30/2022

Naisarg Vanani, J.Thometz, A retrospective review of VEPTR instrumentation in patients with neuromuscular scoliosis with regard to complication in instrumentation alignment., Medical Student summer research training and education program-poster, Medical College of WI; Milwaukee, WI, 10/03/2022 - Present

Thometz, JG, Scoliosis Early Onset/Congenital, Dept of Orthopaedic Surgery Grand Rounds, Milwaukee, WI,

04/26/2023

**Regional**

- Thometz JG: Progression of Scoliosis in Adult Institutionalized Patients with Cerebral Palsy. Milwaukee Orthopaedic Society, Milwaukee, Wisconsin, 10/1985
- Thometz JG: Orthopaedic Management of Spina Bifida. Curative Rehabilitation, Milwaukee, Wisconsin, 04/1986
- Thometz JG: Torsional and Angular Deformities in Children. Family Health Plan Annual Symposium for Primary Care Physicians, Milwaukee, Wisconsin, 05/1986
- Thometz JG: Orthopaedic Management of the Child with Spina Bifida. The Children's Hospital Symposium for Parents of Children with Spina Bifida, Milwaukee, Wisconsin, 06/1987
- Thometz JG: Results of Treatment of Congenital Dislocation of the Hip (Ages 6 months to 2 years). (Critique) Northwestern University Alumnae Day, Chicago, Illinois, 05/1988
- Thometz JG: A New Method for Treating Pediatric Supracondylar Fractures of the Humerus. Northwestern University Alumnae Day, Chicago, Illinois, 05/1988
- Thometz JG: Pediatric Orthopaedics for Physicians Assistants. State Meeting, Wisconsin Orthopaedic Physicians Assistants, Milwaukee, Wisconsin, 09/1988
- Thometz JG: Common Lower Extremity Problems in Children. Wisconsin Family Physicians, 10/1988
- Thometz JG: Pinning of Supracondylar Humerus Fractures Using Direction Visual Techniques. Wisconsin Orthopaedic Society, Kohler, Wisconsin, 11/1988
- Thometz JG: The Complete Pericapsular Pelvic Osteotomy. A New Method for Correction of Acetabular Dysplasia. Wisconsin Orthopaedic Society, Kohler, Wisconsin, 11/1988
- Thometz JG: Neuromuscular Scoliosis. Blount-Schmidt Spinal Symposium, Milwaukee, Wisconsin, 09/1989
- Thometz JG: Management of Acetabular Dysplasia. Midwest Pediatric Orthopaedic Symposium, Door County, Wisconsin, 10/1989
- Thometz JG: Torsional Abnormalities in Children. Midwest Pediatric Orthopaedic Symposium, Door County, Wisconsin, 10/1989
- Thometz JG: Femoral Neck Fractures in Children. Midwest Pediatric Orthopaedic Symposium, Door County, Wisconsin, 10/1989
- Thometz JG: What's New in Pediatric Orthopaedics? Alumni Meeting for Pediatrics, Medical College of Wisconsin, Milwaukee, Wisconsin, 11/1989
- Thometz JG: Common Back Problems in Children. State Medical Society, 04/1990
- Thometz JG: Percutaneous Single Pin Fixation of Slipped Capital Femoral Epiphysis. Wisconsin Orthopaedic Society, Kohler, Wisconsin, 05/1990
- Thometz JG: Lower Extremity Trauma and Its Complications. Orthopaedic Physicians Assistants Convention, Davenport, Iowa, 07/1990
- Thometz JG: Fractures in Children. Wisconsin Association of Orthopaedic Technologists, Milwaukee, Wisconsin, 09/1990
- Thometz JG: Complete Correction of Talipes Equinovarus Through the Lateral Approach. Wisconsin Orthopaedic Society, Oconomowoc, Wisconsin, 11/1990
- Thometz JG (Visiting Professor): Scoliosis and Cerebral Palsy. Visiting Professor, Marshfield Clinic, Marshfield, Wisconsin, 01/1991
- Thometz JG (Visiting Professor): Upper Extremity Surgery in Cerebral Palsy. Visiting Professor, Marshfield Clinic, Marshfield, Wisconsin, 01/1991
- Thometz JG (Visiting Professor): The Dislocated Hip in Cerebral Palsy. Visiting Professor, Marshfield Clinic, Marshfield, Wisconsin, 01/1991
- Thometz JG: Sports Injuries in Children. Wisconsin State Medical Society, Milwaukee, Wisconsin, 04/1991
- Thometz JG: Kawamura Dome Pelvic Osteotomy. Wisconsin Orthopaedic Society, Kohler, Wisconsin, 05/1991
- Thometz JG: Orthopaedic Infections in Children. Infection in Orthopaedics Workshop, Medical College of Wisconsin, Milwaukee, Wisconsin, 09/1991
- Thometz JG: Technique: Single Pin Percutaneous Fixation. Walter P. Blount Pediatric Orthopaedic Symposium, Fontana, Wisconsin, 10/1991
- Thometz JG: Femoral Neck Fractures: Classification and Treatment. Walter P. Blount Pediatric Orthopaedic Symposium, Fontana, Wisconsin, 10/1991
- Thometz JG: Percutaneous Pin Fixation of Supracondylar Humerus Fractures. Walter P. Blount Pediatric Orthopaedic Symposium, Fontana, Wisconsin, 10/1991



Thometz JG: Percutaneous Reduction of Radial Neck Fractures. Walter P. Blount Pediatric Orthopaedic Symposium, Fontana, Wisconsin, 10/1991

Thometz JG: The Natural History of Scoliosis and the Natural History of the Dislocated Hip in Cerebral Palsy. Wisconsin Orthopaedic Society, Milwaukee, Wisconsin, 11/1991

Thometz JG: Adolescent Idiopathic Scoliosis: Diagnosis and Management. Wisconsin State Medical Society, Milwaukee, Wisconsin, 04/1992

Thometz JG: Osteochondritis Dissecans. Sports Medicine Symposium, Milwaukee, Wisconsin, 04/1992

Thometz JG: Office Orthopaedics for the Primary Care Physician. Common Problems in Pediatrics program, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 11/1992

Thometz JG: Motion Analysis in Spina Bifida Wisconsin Orthopaedic Society, Pewaukee, Wisconsin, 11/1992

Thometz JG: Motion Analysis in Myelomeningocele. Current Concepts in the Care of Children with Myelomeningocele Symposium, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 12/1992

Thometz JG: Motion Analysis in Myelomeningocele. Marquette Medical Alumni Association Meeting, Orlando, Florida, 03/1993

Thometz JG: One Stage A/P Fusion for Scoliosis, Wisconsin Orthopaedic Society, Pewaukee, Wisconsin, 11/1993

Thometz JG: Common Foot Deformities, Current Concepts in the Care of Children with Myelomeningocele Symposium, Milwaukee, Wisconsin, 01/1994

Thometz JG: Brace Management of Idiopathic Scoliosis. Walter P. Blount Pediatric Orthopaedic Symposium, Milwaukee, Wisconsin, 04/1994

Thometz JG: Unusual Presentations of Pediatric Bone and Joint Infection. Walter P. Blount Pediatric Orthopaedic Symposium, Milwaukee, Wisconsin, 04/1994

Thometz JG: Legg-Perthes: When to Treat. Walter P. Blount Pediatric Orthopaedic Symposium, Milwaukee, Wisconsin, 04/1994

Thometz JG: Common Pediatric Orthopaedic Problems in Primary Care. Tenth Annual Family Symposium, Pewaukee Wisconsin, 09/1994

Thometz JG: The Pathoanatomy of Congenital Vertical Talus as Shown by Magnetic Resonance Imaging. Wisconsin Orthopaedic Society, Pewaukee, Wisconsin, 11/1994

Thometz JG: Management of Torsional Deformities in the Lower Extremity in Children. Family Practice Lecture, Combined lecture series between St. Mary's and Columbia Hospitals, Milwaukee, Wisconsin, 12/1994

Thometz JG: Clubfoot Surgery in Spina Bifida. Wisconsin Orthopaedic Society, Kohler, Wisconsin, 05/1995

Thometz JG: Reproducibility of Radiographic Measurements for Talipes Equinovarus. Wisconsin Orthopaedic Society, Kohler, Wisconsin, 05/1995

Thometz JG: The "Strained" Back. Sports Injuries in Children symposium, Milwaukee, Wisconsin, 05/1995

Thometz JG: Spina Bifida. MCW Motion Analysis Course, Milwaukee, Wisconsin, 06/1995

Thometz JG: Management of Congenital Foot Anomalies. Pediatric Grand Rounds meeting, St. Luke's Hospital, Racine, Wisconsin, 08/1995

Thometz JG: Use of the Miami-Moss Instrumentation System for Treatment of Scoliotic Deformities: A Report of the First Fifty Cases. Wisconsin Orthopaedic Society, Kohler, Wisconsin, 05/1996

Thometz JG: Spina Bifida (Myelomeningocele). Medical College of Wisconsin Gait Course, Children's Hospital of Wisconsin, Milwaukee, Wisconsin, 09/1996

Thometz JG: Evaluation and Treatment of Paralytic Scoliosis. Spine Symposium, Children's Hospital of Wisconsin, 11/1996

Thometz JG: Foot Abnormalities in the Newborn. Partners in Pediatrics, Gurnee, Illinois, 04/1997

Thometz JG: Radial Neck Fractures. Blount Symposium - Current Concepts on Pediatric Fracture Treatment, Children's Hospital of Wisconsin, 04/1997

Thometz JG: Supracondylar Humerus Fractures. Blount Symposium - Current Concepts on Pediatric Fracture Treatment, Children's Hospital of Wisconsin, 04/1997

Thometz JG: Ankle Fractures. Blount Symposium - Current Concepts on Pediatric Fracture Treatment, Children's Hospital of Wisconsin, 04/1997

Thometz JG: Hip Fractures. Walter P. Blount Symposium - Current Concepts on Pediatric Fracture Treatment, Children's Hospital of Wisconsin, 04/1997

Thometz JG: The Routine Use of Thoracoplasty as an Aid in Cosmetic Correction of Scoliosis. Wisconsin Orthopaedic Society meeting, Kohler, Wisconsin, 05/1997

Thometz JG: Late Presentation of the Dislocated Hip: Postnatal Dislocation. The Child's Hip symposium at

Children's Hospital of Wisconsin, J. Thometz, course chair, Milwaukee, Wisconsin, 10/1997

Thometz JG: Perthes Disease: Current Concepts on Etiology and Treatment. The Child's Hip symposium at Children's Hospital of Wisconsin (J. Thometz, course chair) Milwaukee, Wisconsin, 10/1997

Thometz JG: Three-dimensional Analysis of the Scoliotic Spine with Quantec Spinal System. Wisconsin Orthopaedic Society meeting, Kohler, Wisconsin, 05/1998

Thometz JG: Third World Pediatric Orthopaedics. Visiting Professor Lectureship, University of Wisconsin, Madison Department of Orthopaedics, Madison, Wisconsin, 11/2000

Thometz JG: Spinal Disorders in Children. Grand Rounds, Provena Saint Therese Medical Center, Waukegan, Illinois, 11/2000

Thometz JG: Common Spinal Disorders in Children, Grand Rounds, All Saints Healthcare System, Inc., St. Luke's Hospital, Racine, Wisconsin, 04/2001

Henry G.Tomasiewicz; Channing. Tassone; John.Thometz; Xue C.Liu., A line of Zebrafish with Progressive Spinal Curvature, 47th Scoliosis Research Society Meeting, Chicago, Illinois, 09/05/2012 - 09/08/2012

Thometz, JG, New developments in the Management of Scoliosis, Connect with Childrens; CME Event, Appleton, WI, 04/22/2015

### **National**

Thometz JG: Long-Term Results of Flexor Carpi Ulnaris Transfer. American Academy of Pediatrics, Chicago, Illinois, 09/1984

Thometz JG: A Combined Pelvic Osteotomy for Acetabular Dysplasia. American Academy of Pediatrics, Chicago, Illinois, 09/1984

Thometz JG: Long-Term Results of Flexor Carpi Ulnaris Transfer. American Academy of Cerebral Palsy, Washington, DC, 10/1984

Thometz JG: Comparison of Sublaminar and Spinous Process Wiring Techniques in Adolescent Idiopathic Scoliosis. Scoliosis Research Society, Coronado, California, 09/1985 - 01/1985

Thometz JG: Gait Analysis of Medial Hamstring Lengthening in Cerebral Palsy. American Academy of Cerebral Palsy, Seattle, Washington, 10/1985

Thometz JG, Emans J: A Comparison Between Harrington Distraction Rods Combined with Spinous Process Wiring and Harrington Distraction Rods Combined with Sublaminar Wiring in Adolescent Idiopathic Scoliosis. Pedi, Boston, Massachusetts, 05/1986

Thometz JG, Simon S, Griffin P: Gait Analysis of Medial Hamstring Lengthenings in Cerebral Palsy. American Academy of Pediatrics, Washington, DC, 10/1986

Thometz JG, Emans J: A Comparison Between Harrington Distraction Rods Combined with Spinous Process Wiring and Harrington Distraction Rods Combined with Sublaminar Wiring in Adolescent Idiopathic Scoliosis. Amer, Washington, DC, 10/1986

Thometz JG, Simon S, Griffin P: Natural History of Scoliosis in Institutionalized Patients with Cerebral Palsy. The American Academy of Cerebral Palsy, 10/1987

Thometz JG: Poster Exhibit - Calcaneocuboid Subluxation in Talipes Equinovarus. American Academy of Orthopaedic Surgeons. New Orleans, Louisiana, 02/1990

Thometz JG: Calcaneocuboid Deformity in Talipes Equinovarus. Pediatric Orthopaedic Society of North America, San Francisco, California, 05/1990

Thometz JG: Calcaneocuboid Deformity in Talipes Equinovarus. First International Congress on Clubfeet, Milwaukee, Wisconsin, 09/1990

Thometz JG: Moderator, Surgical Techniques in Talipes Equinovarus. First International Congress on Clubfeet, Milwaukee, Wisconsin, 09/1990

Thometz JG: The Unstable Hip in Patients with Cerebral Palsy and Scoliosis. American Academy of Pediatrics, Boston, Massachusetts, 10/1990

Thometz JG: Poster Exhibit - Complete Correction of Talipes Equinovarus Through the Lateral Approach. American Academy of Orthopaedic Surgeons, Boston, Massachusetts, 10/1990

Thometz JG: In-toeing and Out-toeing. Foot and Ankle Society Regional Review Course, Milwaukee, Wisconsin, 10/1990

Thometz JG: The Cavus Foot. Foot and Ankle Society Regional Review Course, Milwaukee, Wisconsin, 10/1990

Thometz JG: Complete Correction of Talipes Equinovarus From the Lateral Approach. Videotape, American Academy of Orthopaedic Surgery, Anaheim, California, 03/1991

Thometz JG: Scientific Exhibit - Complete Correction of Talipes Equinovarus From the Lateral Approach. American Academy of Orthopaedic Surgery, Anaheim, California, 03/1991

Thometz JG: Gait Analysis, Foot and Ankle Review Course. American Academy of Orthopaedic Surgery, 04/1991

Thometz JG: Complete Correction of Talipes Equinovarus From the Lateral Approach. Pediatric Orthopaedic Society of North America, Dallas, Texas, 05/1991

Thometz JG: Videotape Interview with Dr. Walter Blount for Pioneer Award. Pediatric Orthopaedic Society of North America, Dallas, Texas, 05/1991

Thometz JG: Kawamura Pelvic Osteotomy with Simultaneous Trochanteric Transfer. American Academy of Pediatrics, New Orleans, Louisiana, 10/1991

Thometz JG: Technique for Direct Radiographic Visualization During Closed Pinning of Supracondylar Humerus Fractures in Children. (Poster Exhibit). Orthopaedic Trauma Association, Seattle, Washington, 10/1991

Thometz JG, Setlock M: Anaphylaxis in Myelodysplasia Patients Related to Latex Allergy. American Academy of Pediatrics, New Orleans, Louisiana, 10/1991

Thometz JG, Setlock M: Scientific Exhibit - Anaphylaxis in Myelodysplasia Patients Related to Latex Allergy. American Academy of Orthopaedic Surgeons, Washington, DC, 02/1992

Thometz JG: Kawamura Pelvic Osteotomy with Simultaneous Trochanteric Transfer. Pediatric Orthopaedic Society of North America, 05/1992

Thometz JG: An H: Comparison Between Standing Active Side Bend Scoliosis Films with Forced Supine Side Bend Films (Poster). Scoliosis Research Society, Kansas City, Kansas, 09/1992

Thometz JG: Percutaneous Reduction of Radial Neck Fractures. American Academy of Pediatrics, San Francisco, California, 10/1992

Thometz JG: Percutaneous Pinning for Slipped Capital Femoral Epiphysis. American Academy of Pediatrics, San Francisco, California, 10/1992

Thometz JG: Scientific Exhibit - Kawamura Pelvic Osteotomy with Simultaneous Trochanteric Transfer. American Academy of Orthopaedic Surgeons, San Francisco, California, 02/1993

Thometz JG: Kawamura Pelvic Osteotomy with Simultaneous Trochanteric Transfer. Mid-America Orthopaedic Association, Hilton Head, South Carolina, 04/1993

Thometz JG: Scientific Exhibit - The Complete Release of the Subtalar, Talonavicular, and Calcaneocuboid Joints in the Surgical Correction of Talipes Equinovarus in Myelomeningocele. American Academy for Cerebral Palsy and Developmental Medicine, Nashville, Tennessee, 10/1993

Thometz JG: The Complete Release of the Subtalar, Talonavicular, and Calcaneocuboid Joints in the Surgical Correction of Talipes Equinovarus in Myelomeningocele. American Academy for Cerebral Palsy and Developmental Medicine, Nashville, Tennessee, 10/1993

Thometz JG, Gabriel S: Pathoanatomy of Congenital Vertical Talus Magnetic Resonance Imaging Study. Pediatric Orthopaedic Society of North America, Memphis, Tennessee, 05/1994

Thometz JG, Chusid M: Poster Exhibit - Report of Tolerant Staphylococcus Aureus Hip Infection. Pediatric Orthopaedic Society of North America, Memphis, Tennessee, 05/1994

Thometz JG: Traumatic Growth Plate Injuries. American Academy of Orthopaedic Surgeons, Nurses and Allied Health Professionals - One-Day Course, Milwaukee, Wisconsin, 07/1994

Thometz JG: Poster Exhibit - Traumatic Growth Plate Injuries. American Academy of Orthopaedic Surgeons, Nurses and Allied Health Professionals - One-Day Course, Milwaukee, Wisconsin, 07/1994

Thometz JG: Scoliosis - Assessment and Treatment. American Academy of Orthopaedic Surgeons, Nurses and Allied Health Professionals Meeting, Milwaukee, Wisconsin, 07/1994

Thometz JG: The Complete Release of the Subtalar, Talonavicular, and Calcaneocuboid Joints in the Surgical Correction of Talipes Equinovarus. Pediatric Orthopaedic Society of North America, Miami, Florida, 05/1995

Thometz JG, Sathoff L: EMG Evaluation in Patients with Clubfeet. Mid-America Orthopaedic Association, Hilton Head Island, South Carolina, 04/1997

Thometz JG: Poster Exhibit - Routine Use of Thoracoplasty with Fusions for Adolescent Idiopathic Scoliosis. Scoliosis Research Society, St. Louis, Missouri, 09/1997

Thometz JG: Instructional Course Lectures - The Child's Foot. American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, 03/1998

Thometz JG, Sathoff L: Poster Exhibit - EMG Evaluation in Patients with Clubfoot. American Academy of Orthopaedic Surgeons, New Orleans, Louisiana, 03/1998

Thometz JG, Liu XC: Comparison of the posterior trunk asymmetry index between normal and patients with idiopathic scoliosis. Workshop on Surface Topography, Kansas City, 04/1998

Thometz JG, Liu XC: Correlation of the Quantec measurement with Cobb angle in patients with idiopathic

- scoliosis. Workshop on Surface Topography, Kansas City, 04/1998
- Lyon RM, Thometz JG, Harris GF: Poster Exhibit - Kinematic and Kinetic Evaluation of the Ankle Joint Before and After Achilles-Tendon Lengthening in Patients with Spastic Diplegia. North American Society of Gait and Clin, California, 04/1998
- Thometz JG, Liu XC: Accuracy and Reproducibility in Three-Dimensional Measurement of the Back Shape by the Quantec Image System in the Normal Subjects (Poster). Pediatric Orthopaedic Society of North America, Cleveland, Ohio, 05/1998
- Thometz JG, Liu XC: Three-dimensional Analysis of the Scoliotic Spine with Quantec Spinal System. Wisconsin Orthopaedic Society, Kohler, Wisconsin, 05/1998
- Thometz JG, Liu XC: Functional Classification of Patients with Idiopathic Scoliosis Assessed by the Quantec System: A Discriminate Functional Analysis to Determine the Patient Groups. International Research Soc, Burlington, Vermont, 06/1998
- Thometz JG, Liu XC: Poster Session (with talk) - Axial Rotation in Idiopathic Scoliosis: A Comparison of the Perdriolle, Scoliometer, and the Quantec Spinal Image System. International Research Society of Spinal Deformities meeting, Burlington, Vermont, 06/1998
- Thometz JG, Liu XC: Correlation of the Quantec Measurement with the Cobb Angle in Patients with Idiopathic Scoliosis. Pediatric Orthopaedic Society of North America, Florida, 05/1999
- Thometz JG, Liu XC: A Retrospective Long-term Study on Dynamic Plantar Pressure in the Treated Clubfoot. American Academy of Pediatrics, Washington DC, 10/1999
- Thometz JG, Liu XC, Manz R: Reproducibility of Radiographic Measurements in the Assessment of Talipes Equinovarus. Mid-America Orthopaedic Association, Scottsdale, AZ, 04/2000
- Thometz JG: Moderator SICOT 3rd International Clubfoot Congress, San Diego, CA, 08/2002
- Thometz JG, Liu XC, Reinenck J, Lyon R, and Tassone C. Changes of three-dimensional back contour following posterior fusion for idiopathic scoliosis. American Academy of Pediatrics, 2006
- R.Rizza, X.C.Liu, J.Thometz, R. Lyon, S. Kamara, C.Tassone, and G. Harris. Simulation of Dynamic Pedorthosis Using Computer Modeling in the Treatment of Clubfoot. The Rehabilitation Engineering and Assistive Technology Society of North American (RESNA), Washington, DC, Arlington, VA, 06/26/2008 - 06/30/2008
- Thometz J and Liu XC. Effects of a Growth Modulation Device on the Immature Goat Spine. John H. Moe Award Nominee for Best Basic Science Presentation. 43rd SRS, Salt Lake City, Utah, USA, 09/10/2008 - 09/13/2008
- XC.Liu, R.Rizza, J.Thometz, R.Lyon, C.Tassone, and G.Harris. A Newly Designed Dynamic Pedorthosis for Patients with Clubfoot. 55th Orthopaedic Research Society (ORS), Las Vegas, NV, 02/22/2009 - 02/25/2009
- Liu XC, Thometz J, Lyon R, Tassone C, and Mckillip J. Long-term follow-up surgical impact using 7-segment foot model. 55th Orthopaedic Research Society (ORS), Las Vegas, NV, 02/22/2009 - 02/25/2009
- XC.Liu, R.Rizza, J.Thometz, R.Lyon, C.Tassone, and G.Harris. A Newly Designed Dynamic Pedorthosis for Patients with Clubfoot. 14th GCMAS, Denver, CO, 03/11/2009 - 03/14/2009
- XC.Liu, J.Thometz, R.Lyon, C.Tassone, and J.McKillip. Long-term follow-up surgical impact using 7-segment foot model. 14th GCMAS, Denver, CO, 03/11/2009 - 03/14/2009
- Rizza, R., X.-C. Liu, M. Mahinfalah, Y. Wang, J. Thometz, R. Lyon and C. Tassone. An In-Vitro Experiment To Study Sustained Torque On The Spine. Presented at the 2009 ASME Summer Bioengineering Conference, Lake Tahoe, CA, 06/17/2009 - 06/21/2009
- Thometz J, Liu XC, Lyon R, Tassone C, Mckillip J, and Tarima S..Long-Term Follow-up in Children with Clubfoot Using Clubfoot Functional Score. American Academy of Pediatrics, 10/16/2009 - 10/20/2009
- F Klingbeil, XC Liu, C Tassone, R Lyon, and J Thometz. Impact of the Ankle-Foot Orthoses on 3D ankle joint Rotation in Children with Spastic CP. AAPMR, Austin, TX, 10/22/2009 - 10/25/2009
- Rizza, R., X.C. Liu, J. Thometz, R. Lyon, and C. Tassone. Effect of Torque on Spinal Growth Asymmetry. Presented at Third International Conference on Mechanics of Biomaterials & Tissues, Clearwater Beach, Florida, 12/13/2009 - 12/17/2009
- Rizza, R.; Liu, X.C.; Thometz, J.; R. Lyon; Tassone, C.; Harris, G. Effectiveness of a New Dynamic Pedorthosis with Wedge on the Clubfoot. 56th Annual Meeting of the Orthopaedic Research Society, New Orleans, Louisiana, 03/06/2010 - 03/09/2010
- Liu, X.C., Rizza, R., Thometz, J., Lyon, R., Tassone, C., Tarima, S. Effect of Novel CAD Designed Pedorthosis for Children with Clubfoot. GCMAS Combined EMACS, Miami, Florida, 05/12/2010 - 05/15/2010

- XC. Liu, D. Embrey, R. Lyon, C. Tassone, F. Klingbeil, BA. Brandsma, C. Marquez, S.Tarima, J.Thometz, and E.Dabrowski. Does the Anatomical Foot and Ankle Motion Really Change Following Orthotic Intervention in Children with Spastic CP? GCMAS Combined EMACS, Miami, Florida, 05/12/2010 - 05/15/2010
- Marquez-Barrientos C., Liu, X.C., Thometz, J., Lyon, R., Tarima, S., and Verber M. Comparison of Six-Segment-Foot Movements between MRI and Motion System in TD Children. GCMAS Combined EMACS, Miami, Florida, 05/12/2010 - 05/15/2010
- Rizza, R.; Liu, X.C.; Thometz, J.; R. Lyon, C. Tassone. Implementation of a New Torque Device in Ox-Tails. Presented at the ASME Summer Bioengineering Conference, Naples, Florida, 06/16/2010 - 06/19/2010
- Tomasiewicz, H, Liu, X-C, Tassone, JC, Thometz, J. Zebrafish as a Model System or Studying Scoliosis. 9th International Conference on Zebrafish Development and Genetics, University of Wisconsin-Madison, Madison, WI, 06/16/2010 - 06/20/2010
- XueCheng Liu, David Embrey, Roger Lyon, Channing Tassone, Fred Klingbeil, Sergey Tarima, John Thometz, and E. Dabrowski. Effects of Orthotic Intervention on the Multi-Segment Foot in Children with CP. The Rehabilitation Engineering and Assistive Technology Society of North American (RESNA), Las Vegas, 06/26/2010 - 06/30/2010
- XC. Liu, R. Rizza, J. Thometz, R. Lyon, C.Tassone, S.Van Valin, and G. Harris. Impact of a New Dynamic Pedorthosis on the Clubfoot Function. The Rehabilitation Engineering and Assistive Technology Society of North American (RESNA), Las Vegas, 06/26/2010 - 06/30/2010
- X.C. Liu, R. Rizza, J. Thometz, R. Lyon, C. Tassone, S. Tarima. Effect of CAD Designed Pedorthosis with Build-in Wedge for Children with Clubfoot. 12th ESM Conference on Dynamic Load Distribution in Biomechanics, Providence, RI, 08/14/2010 - 08/17/2010
- F. Klingbeil, XC. Liu, D. Embrey, R. Lyon, C. Tassone, S.Tarima, J.Thometz, and E.Dabrowski. Comparisons of multiple segment foot motion between different orthotic interventions in children with spastic CP. 64th AACPD, Washington, DC, 09/22/2010 - 09/25/2010
- Liu, XC; Embrey, D; Tassone, C; Klingbeil, F; Lyon, R; Thometz, J; Tarima, S; and E.Dabrowski, Effects of the Use of Orthotics on Anatomical Foot and Ankle Motion in Children with Spastic CP., Annual meeting of the Orthopaedic Research Society, Long Beach, CA, 01/13/2011 - 01/16/2011
- Tomasiewicz, HG; Liu, XC; Tassone, C; Thometz, J., Idiopathic Scoliotic Model in Zebrafish, Annual meeting of the Orthopaedic Research Society, Long Beach, CA, 01/13/2011 - 01/16/2011
- Liu, XC; Rizza, R.; Thometz, J.; Lyon, R; Tassone, C; North, P, Lerch-Gaggl AF, and Jensen E, In-Vivo Torque Effect on Growth in Rat Tails, Annual meeting of the Orthopaedic Research Society, Long Beach, CA, 01/13/2011 - 01/16/2011
- Liu, X.C., Rizza, R., Thometz, J., Lyon, R., Tassone, C., S.Van Valin., and Tarima, S, Impact of Individualized Pedorthosis on Plantar Pressures and Functional Outcomes for Children with Clubfoot, Annual Gait and Clinical Movement Analysis Society Conference (GCMAS), Bethesda, MD, 04/26/2011 - 04/29/2011
- Liu, X.C., Marquez, C., Lyon, R., Tassone, C, Thometz, J., and Tarima, S., Correlations between MRI Measurements and 3D Motion in a Six-Segment-Foot Model in Children with CP, Annual Gait and Clinical Movement Analysis Society Conference (GCMAS), Bethesda, MD, 04/26/2011 - 04/29/2011
- Thometz JG, Liu XC, Rizza R, Rosol D, Tassone C, Tarima S, North P, Static vs Dynamic Torque on Asymmetric Remodeling of the Caudal Vertebral Growth Plate, Orthopaedic Research Society, Orlando, FL, 03/05/2016 - 03/08/2016
- John Thometz, Xue-Cheng Liu, Aria Bagheri, Channing Tassone, Sergey Tarima, The Reliability of the Three Dimensional Spinal Modeling of Patients with Adolescent Idiopathic Scoliosis Using EOS System, 2017 AAOS Annual Meeting, San Diego, CA, 03/14/2017 - 03/18/2017
- Hornig J, Thometz J, Tassone C, Liu X, Correlations Between Cobb Angle and Center of Pressure Trajectories During Gait in Adolescent Idiopathic Scoliosis, Orthopaedic Research Society (ORS), Virtual, - 02/13/2021

### **International**

- Thometz JG, Simon S, MD, Griffin P: The Natural History of Scoliosis in Institutionalized Patients with Cerebral Palsy. Scoliosis Research Society, Hamilton, Bermuda, 09/1986
- Thometz JG, Simon S, Griffin P: The Natural History of Scoliosis in Institutionalized Patients with Cerebral Palsy. Pediatric Orthopaedic Society of North America, Toronto, Canada, 05/1987
- Thometz JG, Huizenga B, Major M, Mikaelian M, Zuege R, Blount W: Poster Exhibit - Results of Milwaukee Brace Treatment of Adolescent Kyphosis (Scheuermann's and Postural). Scoliosis Research Society,

- Vancouver, British Columbia, 09/1987
- Thometz JG: Gait/X-ray Panel Chair. Second International Congress on Clubfeet, Amsterdam, 08/1996
- Thometz JG: Complete Subtalar Release in Patients with Clubfoot and Myelomeningocele. Second International Congress on Clubfeet, Amsterdam, 08/1996
- Thometz JG: Poster Exhibit - A Pediatric Foot and Ankle Motion Analysis System - Preliminary Results of Postoperative Clubfeet. Pediatric Orthopaedic Society of North America, Banff, Alberta, Canada, 05/1997
- Thometz JG, Pennington W: "Cold" Bone Scan Osteomyelitis: A Clinical Perspective. Pediatric Orthopaedic Society of North America, Banff, Alberta, Canada, 05/1997
- Thometz JG, Pennington W: Cold-Bone Scan Osteomyelitis: A Clinical Perspective. Mid-America Orthopaedic Association, Acapulco, Mexico, 04/1998
- Thometz JG: Single Stage Anterior and Posterior Spinal Fusion in Children. Mid-America Orthopaedic Association, Acapulco, Mexico, 04/1998
- Thometz JG, Liu XC: Dynamic Effects on the Postural Sway on Back Surface Contour: Implication for 3-D Assessment of Spinal Position. International Conference of the IEEE Engineering in Medicine and Biology Society, Hong Kong, 1998
- Thometz JG, Liu XC: Computerized Evaluation of the Surface Measurement of Kyphosis and Lordosis in Idiopathic Scoliosis. 20th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Hong Kong, 1998
- Thometz JG, Liu XC: A Retrospective Study of Dynamic Plantar Pressure in the Treated Clubfoot. Pediatric Orthopaedic Society of North America, Vancouver, British Columbia, Canada, 05/2000
- XC.Liu, R.Rizza, J.Thometz, and C.Tassone. Impact of a Spinal Instrument on the Intravertebral Pressure During Growth. International Research Society of Spinal Deformities (IRSSD), Liverpool, UK, 07/08/2008 - 07/13/2008
- M. Trawicki, XC.Liu, C.Tassone, J.Thometz, and R.Lyon. Improvements in Three-Dimensional Back Contour After Spinal Fusion For Idiopathic Scoliosis. International Research Society of Spinal Deformities (IRSSD), Montreal, Canada, 07/01/2010 - 07/03/2010
- R. Rizza, Xue C. Liu, J. Thometz, C. Tassone, and R. Lyon. Design and Measurement of an In Vitro Torque Device in Ox-Tails. International Research Society of Spinal Deformities (IRSSD), Montreal, Canada, 07/01/2010 - 07/03/2010
- L.Rankine, XC. Liu, C. Tassone, S. Tarima, J. Thometz, and R. Lyon. Effect of Trunk Position on Spinal Topography Measurements Using Newly Developed System. International Research Society of Spinal Deformities (IRSSD), Montreal, Canada, 07/01/2010 - 07/03/2010
- J. Thometz, Xue C. Liu, and R. Rizza. Biological Impact of Growth Modulation Device on the Immature Goat Spine. International Research Society of Spinal Deformities (IRSSD), Montreal, Canada, 07/01/2010 - 07/03/2010
- HG. Tomasiewicz, XC.Liu, C.Tassone, and J.Thometz. Development of Zebrafish as a Natural Model System for Studying Scoliosis. International Research Society of Spinal Deformities (IRSSD), Montreal, Canada, 07/01/2010 - 07/03/2010
- Thometz, XC.Liu and R.Rizza. Spine growth modulation in the immature goat. 4th International Conference on Early On-set Scoliosis, Toronto, Canada, 11/19/2010 - 11/20/2010
- Thometz, J., Liu, XC, A Line of Zebrafish with Development of Abnormal Spinal Curvatures, 2014 SOSORT Annual Meeting, Wiesbaden, Germany, 05/09/2014
- Thometz JG, Liu XC, Rizza R, CAD/CAM Assisted Bracing for Children with Infantile or Juvenile Scoliosis, International Research Society of Spinal Deformities, Banff, Canada, 05/25/2016 - 05/28/2016
- Thometz JG, Tassone CJ, Escott B, Liu XC, Bracing for the Early Onset of Scoliosis, 2021 Virtual IRSSD Congress, Milwaukee, WI, USA, 01/22/2021 - 01/23/2021
- Thometz JG, Liu XC, Follow-up of an Elongation Bending Derotation Brace in the Treatment of Infantile Scoliosis, 2021 Virtual IRSSD Congress, Milwaukee, WI, USA, 01/22/2021 - 01/23/2021
- Aymeric Guy, MS; Maxence Coulombe, BEng; Hubert Labelle, MD; Manuel Rigo, MD; M S Wong, PhD; Babak H. Beygi, PhD; James Wynne, CPO, FAAOP; M. Timothy Hresko, MD; Eric Ebermeyer, MD; Philippe Vedreine ; Xue-cheng Liu, MD, PhD; John G. Thometz, MD; Benoit Bissonnette ; Charlotte Sapaly, MS; Soraya Barchi, BSc; Carl-Eric Aubin, PhD., Biomechanical Effectiveness of Various Brace Designs to Treat Adolescent Idiopathic Scoliosis: An International Multicenter Study, 57th Annual SRS meeting, Stockholm, Sweden, 09/14/2022 - 09/17/2022
- Hornig, Liu, Thometz, Tassone, Escott, Potential for Comprehensive Evaluation of Scoliosis Using Formetric 4D, 14th Annual International SOSORT Meeting, San Francisco, CA, - 04/18/2019

## **COMMITTEE SERVICE:**

### **Medical College of Wisconsin**

- 1994 - Present Academic Council, Orthopaedic Surgery, since 1994
- 1995 - 1997 Clinical Practice Group
- 1996 - 1998 Pediatric Specialty Organizing Committee
- 1999 - Present Orthopaedic Research Committee
- 2014 - Present Program Evaluation Committee
- 2015 - Present Resident Research Committee
- 2020 - Present Member, Council of Collaboration (COC), CTSI, Medical College of WI

### **Hospital**

- 1988 - Present Operating Room Committee
- 1988 - Present Patient Care Committee
- 1989 - Present Quality Assurance Committee
- 1994 - Present Planning Committee
- 1995 - Present Product & Equipment Evaluation Committee
- 2013 - Present Website Feedback Panel

## **MEDICAL COLLEGE TEACHING ACTIVITIES:**

### **Medical Student Education**

- 1992 - 2000 Associate Professor, Department of Orthopaedic Surgery, Medical College of Wisconsin
- 2000 - Present Professor, Department of Orthopaedic Surgery, Medical College of Wisconsin

### **Graduate Student Education**

- 1996 - 2000 Post Graduate Class 2000 Advisor

## **BIBLIOGRAPHY**

### **Refereed Journal Publications/Original Papers**

1. THOMETZ JG, Emans JB: A comparison between spinous process and sublaminae wiring combined with Harrington distraction instrumentation in the management of adolescent idiopathic scoliosis. *Journal of Pediatric Orthopaedics*, Vol 8 (2): 129-32, March-April 1988.
2. THOMETZ JG, Tachdjian MO: Long-term follow-up of the flexor carpi ulnaris transfer in spastic hemiplegic children. *Journal of Pediatric Orthopaedics*, Vol 8 (4): 407-12, July-August 1988.
3. THOMETZ JG, Simons SR: Progression of scoliosis after skeletal maturity in institutionalized patients with cerebral palsy. *Journal of Bone and Joint Surgery - American*, 70 (9): 1290-6, October 1988.
4. THOMETZ JG, Simon SR, Rosenthal R: The effect on gait of lengthening of the medial hamstrings in cerebral palsy. *Journal of Bone and Joint Surgery - American*, Vol 71 (3): 345-53, March 1989.
5. Mah JY, THOMETZ JG, Emans JB, Millis M, Hall J: Threaded K-wire spinous process fixation of the axis for modified Gallie fusion in children and adolescents. *Journal of Pediatric Orthopaedics*, Vol 9 (6): 675-9, November-December 1989.
6. THOMETZ JG: Techniques for direct radiographic visualization during closed pinning of supracondylar humerus fractures in children. *Journal of Pediatric Orthopaedics*, Vol 10(4): 555-8, July-August 1990.
7. Chusid MJ, Schneider JP, THOMETZ JG, Dunne WM: Osteomyelitis and septic arthritis caused by *Haemophilus influenzae*, type f, in a young girl. *Diagnostic Microbiology and Infectious Disease*, Vol 15(2): 157-9, February 1992.
8. THOMETZ JG, Simons GW: Deformity of the calcaneocuboid joint in patients who have talipes equinovarus. *Journal of Bone and Joint Surgery - American*, Vol 75(2): 190-5, 1993.
9. THOMETZ JG, Gabriel SR: Septic arthritis associated with brachial plexus neuropathy. *The Journal of Bone and Joint Surgery - American*, Vol 78(1):103-5, January 1995.
10. THOMETZ JG, Lamdan R: Osteonecrosis of the femoral head after intramedullary nailing of a femoral shaft fracture in an adolescent. *Journal of Bone and Joint Surgery - American*, Vol 77(9): 1423-6, September 1995.

11. THOMETZ JG, Lamdan R, Kehl KS, Chusid MJ: Microbial tolerance phenomenon in orthopaedic infections: delayed response of septic arthritis and osteomyelitis of the hip due to infection with tolerant *Staphylococcus aureus*. *Journal of Pediatric Orthopaedics*, Vol 16 (4): 518-21, July-August 1995.
12. Slyper AH, Shaker JL, THOMETZ JG, McCormick K: Osteomalacia with hypophosphatemia and hypercalciuria: a possible new variant of osteomalacia. *Journal of Pediatrics*, 127 (1): 105-9, July 1995
13. Gabriel SR THOMETZ JG, Jaradeh S. Septic arthritis associated with brachial plexus neuropathy. A case report. *Journal of Bone and Joint Surgery - American Volume*. 78 (1): 103-5, January 1996.
14. THOMETZ JG, DiRaimondo CA: A case of recurrent Caffey's disease treated with naproxen. *Clinical Orthopaedics and Related Research*, (323): 304-9, February 1996.
15. THOMETZ JG, Liu XC, McGrady L, Harris GF: Dynamic effects of postural sway on back surface contour: implication for 3-D assessment of spinal position. *Conference of the IEEE Engineering in Medicine and Biology Society*, Vol 20 (5), 1998.
16. Liu XC, THOMETZ JG, Fabry G: Leg length discrepancy defines gait pattern: functional analysis in LLD. *BioMechanics*, Vol. V (12), December 1998.
17. Pennington, WT, Mott MP, THOMETZ JG, Sty JR, Metz D (B.S.): Photopenic bone scan osteomyelitis: A clinical perspective. *Journal of Pediatric Orthopaedics*, Vol 19 No 6, 1999.
18. THOMETZ JG., Liu XC, Lyon R. Three-dimensional rotations of the thoracic spine after distraction with and without rib resection: a kinematic evaluation of the apical vertebra in rabbits with induced scoliosis. *Journal of Spinal Disorders*. 13 (2): 108-12, April 2000.
19. THOMETZ JG, Liu XC: Variability in 3-D back contour measurement. *Journal of Pediatric Orthopedics*, Issue 20 (1), 2000.
20. THOMETZ JG, Lamdan R, and Liu XC: Relationship between Quantec measurement and Cobb angle in patients with idiopathic scoliosis. *Journal of Pediatric Orthopaedics*, Vol 20, 2000.
21. Thometz JG, Liu XC, Lyon R, Harris GF. Variability in three-dimensional measurements of back contour with raster stereography in normal subjects. *J Pediatr Orthop*. 2000;20(1):54-8.
22. Thometz JG, Liu XC, Lyon R. Three-dimensional rotations of the thoracic spine after distraction with and without rib resection: a kinematic evaluation of the apical vertebra in rabbits with induced scoliosis. *J Spinal Disord*. 2000 Apr;13(2):108-12.
23. Thometz JG, Lamdan R, Liu XC, Lyon R. Relationship between Quantec measurement and Cobb angle in patients with idiopathic scoliosis. *J Pediatr Orthop*. 2000;20(4):512-6.
24. Liu XC, THOMETZ JG, Klein J, and Lyon R. Functional classification of patients with idiopathic scoliosis: a discriminate analysis to determine the curve. *Spine* 2001, Vol 26 (11): 1274-1278.
25. Liu XC, THOMETZ JG, and Lyon R. Measurement of spinal transverse rotation in idiopathic scoliosis: comparison of the Perdriolle torsionmeter, scoliometer, and topographic system. *Clinic Orthop*, submitted 2001.
26. Liu XC, Thometz JG, Lyon RM, Klein J. Functional classification of patients with idiopathic scoliosis assessed by the Quantec system: a discriminant functional analysis to determine patient curve magnitude. *Spine (Phila Pa 1976)*. 2001 Jun 01;26(11):1274-8; discussion 1279.
27. Lyon R, Liu XC, Eric J, and THOMETZ JG. The reproducibility of the Quantec measurements in patients with idiopathic scoliosis. *American Journal of Orthopaedics* 2002.
28. Liu XC, Thometz JG, Lyon RM, McGrady L. Effects of trunk position on back surface-contour measured by raster stereophotography. *Am J Orthop (Belle Mead NJ)*. 2002 Jul;31(7):402-6.
29. Liu XC, THOMETZ JG, Lyon RM, and McGrady L. Effects of trunk position on back surface-contour measured by raster stereophotography. *American Journal of Orthopedics*, Vol 33 (7): 402-406.
30. THOMETZ JG, Liu XC, Tassone JC, and Klein S. Predictors of dynamic foot function in post-surgical clubfoot by foot radiographs. *J Ped Orthop*, submitted 2003.
31. Liu XC, Lyon R, Meier H, Henderson J, THOMETZ JG, Defird C, and Haworth S. Effect of lower level laser therapy on rabbit tibial fracture. *J Ortho Research*, submitted 2003
32. Lyon R, Liu XC, Thometz JG, Nelson ER, Logan B. Reproducibility of spinal back-contour measurements taken with raster stereography in adolescent idiopathic scoliosis. *Am J Orthop (Belle Mead NJ)*. 2004 Feb;33(2):67-70.
33. 27 Lyon R, Liu X.C, THOMETZ JG, Nelson ER, and Logan B. Reproducibility of Spinal Back-Contour Measurements Taken With Raster Stereography. *American Journal of Orthopedics*, Vol 33 (2): 67-70.
34. Lyon R, Liu XC, Soon J, and THOMETZ JG. Dynamic Plantar Pressure Measurement for the Normal Subject. *J Ped Orthop* , Vol 25 (1): 103 - 106, January 2005.
35. THOMETZ JG, Liu XC, Tassone C, and Klein S. Predictors of Dynamic foot Function in Post-Surgical



- Clubfoot by Foot Radiographs. *J Ped Orthop*, 25 (2): 249-252, 2005
36. Liu XC, THOMETZ JG, Tassone C, Lyon R, and Brady M. Dynamic Plantar Pressure Distribution in normal subjects: Free -Mapping Model for the Analysis of Pediatric Foot Deformities. *J Ped Orthop*, 25(1): 103 - 106, 2005.
  37. Thometz JG, Liu XC, Tassone JC, Klein S. Correlation of foot radiographs with foot function as analyzed by plantar pressure distribution. *J Pediatr Orthop*. 2005;25(2):249-52.
  38. Liu XC, Thometz JG, Tassone C, Barker B, Lyon R. Dynamic plantar pressure measurement for the normal subject: Free-mapping model for the analysis of pediatric foot deformities. *J Pediatr Orthop*. 2005;25(1):103-6.
  39. Lyon R, Liu XC, Soon J, and THOMETZ JG. Dynamic Plantar Pressure and EMG patterns in Patients with Idiopathic Tarsal Coalition who had Resection. *J Foot and Ankle Surg*, 44 (4): 252-248, 2005.
  40. Khazzam M, Tassone C, Liu XC, Freeto B, Lyon R, Schwab, J, and THOMETZ JG. The Use of Flexible Intramedullary Nail Fixation in the Treatment of Femur Fractures in Children. *J Ped Orthop*, submitted 2005.
  41. THOMETZ JG, XC. Liu, J. Reineck, R. Lyon, and C. Tassone. Changes of three-dimensional back contour following posterior fusion for idiopathic scoliosis Research into Spinal Deformities V, 2006, Editor: Dirk Uyttendaele and Peter H. Dangerfield, IOS press, Lancaster, UK.
  42. Destino L, Sutton DA, Helon AL, Havens PL, Thometz JG, Willoughby RE Jr, Chusid MJ. Severe osteomyelitis caused by *Myceliophthora thermophila* after a pitchfork injury. *Ann Clin Microbiol Antimicrob*. 2006 Sep 08;5:21. PMID: PMC1592504
  43. Liu XC, Lyon R, Meier H, THOMETZ JG, Haworth S. Effect of Lower-Level Laser Therapy on Rabbit Tibial Fracture. *Photomedicine and Laser Surgery*. 25(6):487-94, 2007 December.
  44. Klos SS, Liu XC, Lyon RM, Tassone JC, THOMETZ JG. Reliability of a functional Classification System in the Monitoring of Patients with Idiopathic Scoliosis. *Spine*. 32(15):1662-6, 2007 July 1.
  45. Klos SS, Liu XC, Lyon RM, Tassone JC, Thometz JG. Reliability of a functional classification system in the monitoring of patients with idiopathic scoliosis. *Spine (Phila Pa 1976)*. 2007 Jul 01;32(15):1662-6.
  46. XC.Liu, R.Rizza, THOMETZ JG, and C.Tassone. Impact of a Spinal Instrument on the Intravertebral Pressure During Growth Research into Spinal Deformities VI, 2008, Editor: Peter H. Dangerfield, IOS press, Lancaster, UK.
  47. C.Tassone, XC.Liu, R.Rizza, T. Jones, THOMETZ JG, and R.Lyon. Alteration of Mobility and Trunk Muscle Activation During Walking and Bending in AIS Patients with Posterior Fusion. Research into Spinal Deformities VI, 2008, Editor: Peter H. Dangerfield, IOS press, Lancaster, UK.
  48. Michael Khazzam, Channing Tassone, Xue C Liu, Brian Freeto, Roger Lyon, Jeffery Schwab, John G Thometz.. The Use of Flexible Intramedullary Nail Fixation in the Treatment of Femur Fractures in Children. *Am J Orthop*; 38(3):E49-E55, 2009.
  49. J.Thometz, J. R.Manz, XC.Liu. John Klein, and Barbara Manz. Reproducibility of radiographic measurements in the assessment of congenital talipes equinovarus. *Am J Orthop*; 38(12):617-620, 2009.
  50. Thomas Jones, Xue-Cheng Liu, Channing Tassone and John Thometz. Altered Mobility and Trunk Muscle Activation in Adolescent Idiopathic Scoliosis after Posterior Fusion. *The Spine Journal*; Vol. 9 (10), Supplement 1: 47S-48S, 2009.
  51. Rizza, R; Liu, X.C.; Thometz, J.; R. Lyon; Tassone, C. A New Method in the Design of a Dynamic Pedorthosis for Children with Residual Clubfoot. *J Medical Device*; 4(2): 2010.
  52. Trawicki, M. Liu, X C. Tassone, C. Thometz, J. Lyon, R. Improvements in three-dimensional back contour after spinal fusion for idiopathic scoliosis. *Studies in Health Technology & Informatics*; 158:19-23, 2010.
  53. J.Thometz, HS. Zhu, XC.Liu, C.Tassone, ad S.Gabriel. A three-dimensional pathoantomy study of congenital vertical talus with magnetic resonance image. *J Pediatric Orthop*; 30(5):460-464, 2010.
  54. R. Rizza, XC. Liu, J. Thometz, R. Lyon, C. Tassone, and G. Harris. Effectiveness of a new dynamic pedorthosis with wedge on the clubfoot. *Foot and Ankle International*;31(9):849, 2010.
  55. F. Klingbeil, XC. Liu, D. Embrey, R. Lyon, C. Tassone, S.Tarima, E.Dabrowski, and J.Thometz, Comparisons of multiple segment foot motion between different orthotic interventions in children with spastic CP. *Development Medicine & Child Neurology*; 52 (Suppl.5):61,2010.
  56. Rusy LM, Hainsworth KR, Nelson TJ, Czarnecki ML, Tassone JC, Thometz JG, Lyon RM, Berens RJ, Weisman SJ. Gabapentin use in pediatric spinal fusion patients: a randomized, double-blind, controlled trial. *Anesth Analg*. 2010 May 01;110(5):1393-8.
  57. Thometz JG, Zhu H, Liu XC, Tassone C, Gabriel SR. MRI pathoanatomy study of congenital vertical talus. *J*

- Pediatr Orthop. 2010;30(5):460-4.
58. Thometz JG, Sathoff L, Liu XC, Jacobson R, Tassone C. Electromyography Nerve Conduction Velocity Evaluation of Children with clubfeet. *American Journal of Orthopaedics*, Vol 40(2): 84-86, February 2011
  59. Liu XC, Lyon R, Thometz JG, Curtin B, Tarima S, Tassone C. Insole-pressure distribution for normal children in different age groups. *J Pediatr Orthop*. 2011 Sep;31(6):705-9.
  60. Lim CH, Tassone C, Liu XC, Thometz JG, Lyon R. Correlation of idiopathic scoliosis assessments between newly developed Milwaukee Topographic Scanner and Quantec. *Stud Health Technol Inform*. 2012;176:255-8.
  61. C. Marquez-Barrientos, XC. Liu, R. Lyon, C. Tassone, J. Thometz, S. Tarima. Correlation between anatomic foot and ankle movement measured with MRI and with a motion analysis system. *Gait & Posture*; 36: 389-393, 2012.
  62. Rankine, Leah; Liu, Xue C; Tassone, Channing; Lyon, Roger, Tarima, Sergey; and Thometz, John. Reproducibility of Newly Developed Spinal Topography Measurements for Scoliosis. *The Open Orthopaedics Journal*; 6:226-230, 2012.
  63. Liu XC. Tassone JC. Thometz JG. Lyon RM. Tarima S. Lim CH. Paulsen LC. A New 3D Topographic Device for Monitoring Scoliosis Progression in Children. *Studies in Health Technology & Informatics*; 176:485, 2012.
  64. Tomasiewicz HG. Liu XC. Tassone C. North P. Thometz J. A line of zebrafish with increased incidence of spinal deformities. *Studies in Health Technology & Informatics*; 176:454, 2012.
  65. Lim CH. Tassone C. Liu XC. Thometz JG. Lyon R. Correlation of Idiopathic Scoliosis Assessments between Newly Developed Milwaukee Topographic Scanner and Quantec. *Studies in Health Technology & Informatics*; 176:255-8, 2012.
  66. Rizza R. Liu XC. Thometz J. The in-vivo effect of torque on growth in caudal vertebrae. *Studies in Health Technology & Informatics*; 176:209-12, 2012.
  67. Liu XC, Tassone JC, Thometz JG, Paulsen LC, Lyon RM, Marquez-Barrientos C, Tarima S, Johnson PR. Development of a 3D Back Contour Imaging System for Monitoring Scoliosis Progression in Children. *Spinal Deformity Journal* 1: 102-107, 2013.
  68. Labelle H; Richards SB; De Kleuver M; Grivas TB; Luk KD; Wong HK; Thometz J; Beausejour M; Turgeon I; Fong DY. Screening for adolescent idiopathic scoliosis: an information statement by the scoliosis research society international task force. *Scoliosis*. 8:17, 2013.
  69. Liu XC, Tassone JC, Thometz JG, Paulsen LC, Lyon RM, Marquez-Barrientos C, Tarima S, Johnson PR. Development of a 3-Dimensional Back Contour Imaging System for Monitoring Scoliosis Progression in Children. *Spine Deform*. 2013 Mar;1(2):102-107.
  70. XC Liu, J Thometz, C Tassone, L Paulsen, and R Lyon. Historical Review and Experience with the Use of Surface Topographic Systems in Children with Idiopathic Scoliosis. *OA Musculoskeletal Medicine* May 1; 1(1):9, 2013
  71. Thometz, JG, Liu, XC, Tassone, JC, Lyon, RM. Clinical Application of 3D Topographic Device for Monitoring Scoliosis Progression. *Scoliosis and Spinal Disorder* 8(Suppl 2): 023, (DOI: 10.1186/1748-7161-8-S2-023), 2013
  72. Liu XC; Embrey D; Tassone C; Klingbeil F; Marquez-Barrientos C; Brandsma B; Lyon R; Schwab J; Tarima S; Thometz J. Foot and ankle joint movements inside orthoses for children with spastic CP. *Journal of Orthopaedic Research*. 32(4):531-6, 2014 Apr.
  73. J Thometz, XueCheng Liu, C Tassone. Does 3D Back contour Change Following Spinal Fusion in Children with Idiopathic Scoliosis? *Scoliosis and Spinal Disorder* 9(Suppl 1): 061, (DOI:10.1186/1748-7161-9-S1-061), 2014.
  74. Smith BG; Kanel JS; Halsey MF; Thometz JG; Rosenfeld SR; Epps HR; McCarthy J. Emergency Department On-Call Status for Pediatric Orthopaedics: A Survey of the POSNA Membership. *Journal of Pediatric Orthopedics*. 35(2):199-202, 2015 Mar.
  75. Rizza R; Liu X; Thometz J; Tassone C. Comparison of biomechanical behavior between a cast material torso jacket and a polyethylene based jacket. *Scoliosis*. 10(Suppl 2):S15, 2015.
  76. Liu XC, Embrey D, Tassone C, Zvara K, Brandsma B, Lyon R, Goodfriend K, Tarima S, Thometz J. Long-Term Effects of Orthoses Use on the Changes of Foot and Ankle Joint Motions of Children With Spastic Cerebral Palsy. *PM R*. 2018 Mar;10(3):269-275.
  77. Bagheri A, Liu XC, Tassone C, Thometz J, Tarima S. Reliability of Three-Dimensional Spinal Modeling of Patients With Idiopathic Scoliosis Using EOS System. *Spine Deform*. 2018;6(3):207-212.
  78. Thometz J, Liu X, Rizza R, English I, Tarima S. Effect of an elongation bending derotation brace on the

- infantile or juvenile scoliosis. *Scoliosis Spinal Disord.* 2018;13:13. PMCID: PMC6080392
79. Xue-Cheng Liu, John Thometz, Channing Tassone, Adam Thiessen, Mahua Dasgupta, Pippa Simpson, Aria Bagheri. Patterns of Intervertebral Axial Rotations in Children with Idiopathic Scoliosis. *Scoliosis and Spinal Disorder*; 13 (Suppl 1):8 (O28), (Doi/10.1186/s13013-018-0154-2) 2018.
  80. Robert Rizza, Xue-Cheng Liu, John Thometz and Anewenter, V. Optimal Thickness for Additive Manufactured Brace. *Scoliosis and Spinal Disorder*; 13 (Suppl 1):8 (P13), (Doi/10.1186/s13013-018-0154-2), 2018
  81. Kenoma Anighoro, Channing Tassone, Adam Miller, John Thometz, and Xue-Cheng Liu. Does Direct Vertebral Body Derotation Using Multiple-Level Pedicle Screws Improve Axial Vertebral Rotation? A Pre- and Post-Operative Analysis Using Biplanar Radiography. *Scoliosis and Spinal Disorder*; 13 (Suppl 1):8 (O31), (Doi/10.1186/s13013-018-0154-2), 2018
  82. Adam Miller, Kenoma Anighoro, Channing Tassone, John Thometz, Xue-Cheng Liu. Reliability of the EOS 3D Imaging System for Adolescent Idiopathic Scoliosis Patients Status Post-Surgery. *Scoliosis and Spinal Disorder*; 13 (Suppl 1):8 (O23), (Doi/10.1186/s13013-018-0154-2), 2018
  83. Thometz J, Liu XC. Serial CAD/CAM Bracing: An Alternative to Serial Casting for Early Onset Scoliosis. *J Pediatr Orthop.* 2019 Mar;39(3):e185-e189.
  84. Xue-Cheng Liu, John Thometz, Jonathan Campbell, Channing Tassone. Long-term follow-up of children with a surgically treated clubfoot: Assessing the multi-segment-foot motions, dynamic plantar pressures, and functional outcomes. *Journal of Clinical Orthopaedics and Trauma* 2021; DOI: 10.1016/j.jcot.2021.101758
  85. Horng J, Liu XC, Thometz J, Tassone C. Effect of Adjunct Thoracoplasty on Adolescent Idiopathic Scoliosis Patients' 3D Back Contour. *Stud Health Technol Inform.* 2021 Jun 28;280:81-85 (PMID: 34190065)
  86. Horng J, Liu XC, Thometz J, Tassone C, Duey-Holtz A. Evaluation of Plantar Pressures and Center of Pressure Trajectories in Adolescent Idiopathic Scoliosis. *Stud Health Technol Inform.* 2021 Jun 28;280:131-135 (PMID: 34190074)
  87. Tassone C, Thometz J, Escott B, Spellman C. Liu XC. Comparison of Two Types of Casting in Early-Onset Scoliosis. *Stud Health Technol Inform.* 2021 Jun 28;280:155-160 (PMID: 34190078)
  88. Thometz J, Liu XC. Follow-up of an Elongation Bending Derotation Brace in the Treatment of Infantile Scoliosis. *Stud Health Technol Inform.* 2021 Jun 28;280:174-178 (PMID: 34190082)
  89. Luaks K, Tassone C, Liu XC, Thometz J, Escott B, Tarima S. Boston vs. Providence Brace in Treatment of Adolescent Idiopathic Scoliosis. *Stud Health Technol Inform.* 2021 Jun 28;280:179-183 (PMID: 34190083)
  90. Grivas TB, Negrini S, Aubin CE, Aulisa AG, De Mauroy JC, Donzelli S, Hresko MT, Kotwicki T, Lou E, Maruyama T, Parent EC, Rigo M, Thometz JG, Wong MS, Zaina F. Nonoperative management of adolescent idiopathic scoliosis (AIS) using braces. *Prosthet Orthot Int.* 2022 Aug 01;46(4):383-391.
  91. Guy A, Coulombe M, Labelle H, Rigo M, Wong MS, Beygi BH, Wynne J, Hresko MT, Ebermeyer E, Vedreine P, Liu XC, Thometz JG, Bissonnette B, Sapaly C, Barchi S, Aubin CÉ. Biomechanical Effects of Thoracolumbosacral Orthosis Design Features on 3D Correction in Adolescent Idiopathic Scoliosis: A Comprehensive Multicenter Study. *Spine (Phila Pa 1976).* 2022 Aug 01;47(15):1103-1110.
  92. Bureau BL, Sherburne E, Thometz JG, Foy AB. Prophylactic Spinal Cord Untethering in Children with Spinal Dysraphism Undergoing Thoracolumbar Fusion for Scoliosis. *World Neurosurg.* 2023 Oct;178:e427-e430.

### **Books, Chapters, and Reviews**

1. Gill JC, THOMETZ JG, Scott JP, Montgomery RR: Musculoskeletal problems in hemophilia. Chapter in *Hemophilia in the Child and Adult*, Raven Press 1989.
2. THOMETZ JG: Pediatric ankle fractures. Chapter in *Operative Foot Surgery*. (J. Gould, Editor) W. B. Saunders 1990.
3. THOMETZ JG. Pediatric foot fractures. Chapter in *Operative Foot Surgery*. (J. Gould, Editor) W. B. Saunders 1990.
4. THOMETZ JG: Congenital hallux varus. Chapter in *Operative Foot Surgery*. (J. Gould, Editor) W. B. Saunders 1990.
5. THOMETZ JG, An HS: Pediatric orthopaedics. Chapter in *Orthopaedic Surgery Review*. (H. An, Editor) W. B. Saunders 1990.
6. THOMETZ JG, Gould JS: Cavus deformity. Chapter in *The Child's Foot and Ankle*. Raven Press 1991.
7. THOMETZ JG, An HS: Luque instrumentation with sublaminar wiring. Chapter in *Spinal Instrumentation*. W.

- B. Saunders 1992.
8. THOMETZ JG: Paralytic scoliotic and kyphotic deformities of the spine. Chapter in text Principles and Techniques of Spine Surgery. (H. An, Editor) W. B. Saunders 1994.
  9. THOMETZ JG: Rotational and angular deformities of the lower extremities. Chapter in Orthopaedic Knowledge Update. (B. Stephens Richards, Editor) AAOS 1996.
  10. THOMETZ JG: Luque rod and Galveston techniques. Chapter in text Spinal Instrumentation. (H. An, J. Colter, Editors) Williams and Wilkins 1997.
  11. THOMETZ JG: Spondylolysis and spondylolisthesis in children. Chapter in text Seminars in Spine Surgery. (H. An, Editor) W. B. Saunders 1998.
  12. THOMETZ JG: Spondylolysis and spondylolisthesis. Chapter in Orthopaedic Knowledge Update. (H. An, Editor) AAOS 1999.
  13. THOMETZ JG: Tarsal Coalition. Chapter in Foot and Ankle Clinics of North America (R. Marks, Editor), W. B. Saunders Company, 2000
  14. THOMETZ JG: Rotational and angular deformities of the lower extremities. Chapter in Orthopaedic Knowledge Update. (W. J. Shaughnessy, Editor) AAOS 2000.
  15. THOMETZ JG: Pediatric foot and ankle. Review for Current Opinion in Orthopedics. Lippincott, Williams & Wilkins, 11:6 2000 (submitted)
  16. THOMETZ JG and Liu XC. 3D Measurements and Advanced Treatments in Patients with Idiopathic Scoliosis. BACKTALK Issue, submitted April 2002
  17. THOMETZ JG, and Liu XC. Dynamic plantar pressure characteristics and clinical application in residual clubfoot. Foot and Ankle Analysis, submitting 2005, Editor: G. Harris, IEEE Press. NJ, USA.
  18. THOMETZ JG, Liu XC, Reinenck J, Lyon R, and Tassone C. Changes of three-dimensional back contour following posterior fusion for idiopathic scoliosis. Research into Spinal Deformities V, 2006, Editor: Dirk Uyttendaele and Peter H. Dangerfield, IOS press, Lancaster, UK.
  19. THOMETZ JG, Liu XC, Reinenck J, Lyon R, and Tassone C. Changes of three-dimensional back contour following posterior fusion for idiopathic scoliosis. International Meeting of the International Research Society of Spinal Deformities, Ghent, Belgium 06/21-24, 2006.
  20. Liu, XC., Rizza, R., THOMETZ, J, Tassone, C. Impact of a Spinal Instrument on the Intravertebral Pressure During Growth. Research into Spinal Deformities VI, 2008, Editor: Peter H. Dangerfield, IOS press, Lancaster, UK.
  21. Tassone, C., Liu, XC., Rizza, R., Jones, T., THOMETZ, J., Lyon, R. Alteration of Mobility and Trunk Muscle Activation During Walking and Bending in AIS Patients with Posterior Fusion. Research into Spinal Deformities VI, 2008, Editor: Peter H. Dangerfield, IOS press, Lancaster, UK.
  22. M. Trawicki, XC.Liu, C.Tassone, J THOMETZ, and R.Lyon. Improvements in Three-Dimensional Back Contour after Spinal Fusion for Idiopathic Scoliosis. Research into Spinal Deformities VII, 2010, Editors: CE. Aubin, I.F.Stokes, H.labelle, A.Moreau. IOS press, Nieuwe Hemweg, Netherlands.
  23. THOMETZ JG: Scheuermann Kyphosis. Chapter in Orthopaedic Knowledge Update: Spine 4 (Deborah Williams, Senior Editor) AAOS 2011

#### **Editorials, Letters to Editor, Other**

1. Magnets in Spinal Rods Help Girl "Grow" Without Surgery. Mark Johnson, Milwaukee Journal Sentinel; Journalmediagroup, Jan. 20, 2016

#### **Abstracts**

1. Thometz JG, Tachdjian MO: Results of the flexor carpi ulnaris transfer in cerebral palsy. Orthopaedic Transactions Vol 9 No 1:101, Spring 1985.
2. Thometz JG: A modification of the "combination" osteotomy for acetabular dysplasia. Orthopaedic Transactions Vol 9 No 1:150, Spring 1985.
3. Thometz JG, Tachdjian MO: Results of the flexor carpi ulnaris transfer in cerebral palsy. Orthopaedic Transactions Vol 9 No 1:153, Spring 1985.
4. Thometz JG: Clinical comparison between spinous process and sublaminar wiring combined with Harrington instrumentation in the management of adolescent idiopathic scoliosis. Orthopaedic Transactions, Vol 10, No 1, Spring 1985.
5. Thometz JG, Emans JB: Clinical comparison between spinous process and sublaminar wiring combined with Harrington distraction instrumentation in the management of adolescent idiopathic scoliosis. Orthopaedic Transactions Vol 10 No 1:35, Spring 1986.
6. Thometz JG, Rosenthal RK, Simon SR, Griffin PP: The effect of medial hamstring lengthening on the gait of

- patients with cerebral palsy. Orthopaedic Transactions, Vol 10, No 1:152, Spring 1986.
7. Thometz JG, Emans JB: Clinical comparison between spinous process and sublaminar wiring combined with Harrington distraction instrumentation in the management of adolescent idiopathic scoliosis. Orthopaedic Transactions Vol 11 No 1:49, Spring 1987.
  8. Thometz JG: Progression of scoliosis after skeletal maturity in institutionalized patients with cerebral palsy. Orthopaedic Transactions Vol 11 No 1:121, Spring 1987.
  9. Thometz JG, Simon SR, Griffin PP: Progression of scoliosis after skeletal maturing in institutionalized patients with cerebral palsy. Orthopaedic Transactions Vol 11 No 3:527, Fall 1987.
  10. Thometz JG: Clinical comparison between spinous process and sublaminar wiring combined with Harrington distraction instrumentation in the management of adolescent idiopathic scoliosis. Orthopaedic Transactions Vol 12 No 1:174, Spring 1988.
  11. Simon SR, Thometz JG: The effect of medial hamstring lengthening on the gait of patients with cerebral palsy. Orthopaedic Transactions Vol 12 No 1:175, Spring 1988.
  12. Thometz JG, Major MR, Huizenga BA, Zuege RC, Mikaelian MD, Blount WP: Preliminary report on the treatment of kyphosis with the Milwaukee brace. Orthopaedic Transactions Vol 12 No 2:261, Summer 1988.
  13. Thometz JG, Simons S, Griffin P: Progression of scoliosis after skeletal maturity in institutionalized patients with cerebral palsy. Orthopaedic Transactions Vol 13 No 3:746, Fall 1989.
  14. Thometz JG, Eberle C: Gait Analysis in surgically treated clubfeet. Orthopaedic Transactions Vol 14 No 2:289, Summer 1990.
  15. Thometz JG, Simons GW III, Springer M: Calcaneocuboid joint deformity in talipes equinovarus. Orthopaedic Transactions Vol 15 No 1:105, Spring 1991.
  16. Thometz JG: Complete correction of talipes equinovarus through the lateral approach. Orthopaedic Transactions Vol 15 No 2:331, Summer 1991.
  17. Thometz JG: The unstable hip in patients with cerebral palsy and scoliosis. Orthopaedic Transactions Vol 15 No 2:337, Summer 1991.
  18. Thometz JG: Complete correction of talipes equinovarus through the lateral approach. Orthopaedic Transactions Vol 16 No 1:6, Spring 1992.
  19. Thometz JG: Kawamura pelvic osteotomy with simultaneous trochanteric transfer. Orthopaedic Transactions Vol 16 No 2:373, Summer 1992.
  20. Thometz JG, Kelly KJ, Setlock MA: Anaphylaxis in myelodysplasia patients related to latex allergy. Orthopaedic Transactions Vol 16 No 2:377, Summer 1992.
  21. Thometz JG, An HS: Comparison between standing active side bend scoliosis films with forced supine side bend films. Orthopaedic Transactions Vol 17 No. 1:132, 1993.
  22. Thometz JG: Kawamura pelvic osteotomy with simultaneous trochanteric transfer. Orthopaedic Transactions Vol 17 No 2:401, 1993.
  23. Thometz JG: Percutaneous pinning for slipped capital femoral epiphysis. Orthopaedic Transactions Vol 17 No 3:411, 1993.
  24. Thometz JG: Percutaneous reduction of radial neck fracture. Orthopaedic Transactions Vol 17 No 3:413, 1993.
  25. Thometz JG: Kawamura pelvic osteotomy with simultaneous trochanteric transfer. Orthopaedic Transactions Vol 17 No 3:602, 1993-1994.
  26. Thometz JG, McWilliams JR: Complete subtalar release in patients with clubfoot and myelomeningocele. Orthopaedic Transactions Vol 20 No 4:936, 1996-1997.
  27. Thometz JG: New steps in clubfoot surgery. Sui Generis, Summer 1996.
  28. Sathoff LE, Thometz JG: EMG evaluation in patients with clubfeet. Orthopaedic Transactions, Vol 21, No 2:538, 1997.
  29. Pennington WT, Mott MP, Thometz JG, Sty JR: "Cold" bone scan osteomyelitis: A clinical perspective. Orthopaedic Transactions, Vol 21, No 2:679, 1997.
  30. Rhode BA, Thometz JG, Sathoff LE: Techniques for direct radiographic visualization during closed pinning of supracondylar humerus fractures in children. Orthopaedic Transactions, Vol 22, No 4:1093, 1998-1999.
  31. Sathoff LE, Thometz JG: Single stage anterior and posterior spinal fusion in children. Orthopaedic Transactions, Vol 22, No 4:1118, 1998-1999.
  32. Pennington WT, Mott MP, Thometz JG, Sty JR: Cold bone scan osteomyelitis: A clinical perspective. Orthopaedic Transactions, Vol 22, No 4:1120, 1998-1999.
  33. Liu XC, Thometz JG, Lyon R, Harris GF: Dynamic plantar pressure in the treated clubfoot: An orthopaedic

- engineering study. Proceedings of the First Joint BMES/EMBS Conference, October 1999.
34. Tulchin KL, Harris GF, Liu XC, Thometz JG: Non-radiographic analysis of the pediatric spine in adolescent idiopathic scoliosis. Proceedings of the First Joint BMES/EMBS Conference, October, 1999.
  35. Thometz JG, and Liu XC. A retrospective study of dynamic plantar pressure in the treated clubfoot. Pediatric Orthopaedic Society of North American (POSNA) 2000, May 1-4, Vancouver, British Columbia, Canada. Abstracts: 54.
  36. Lyon R, Liu XC, and Thometz JG. Reduced need for spinal radiographs with use of a raster stereophotography. 35th Scoliosis Research Society, Oct 18-21, 2000, Cairns, Australia: 183.
  37. Liu XC and Thometz JG. Predictors of dynamic foot function in idiopathic clubfoot by foot radiographs. 4th EMED International Meeting, Aug 2-6, 2000.
  38. Thometz JG and Liu XC. Dynamic effects of postural sway on back surface contour: implication for 3-D assessment of spinal position. *Journal of American Orthopaedics* 2002; 31 (7): 402-405.
  39. Thometz JG and Liu XC. Predictors of dynamic foot function in idiopathic clubfoot by foot radiographs. American Academy of Orthopaedic Surgery, Dallas, TX, Feb 13-17, 2002.
  40. Thometz JG and Liu XC. Dynamic plantar pressure in the treated clubfoot. SICOT 3rd International Clubfoot Conference, San Diego, CA, August 27-28, 2002.
  41. Thometz JG and Liu XC. Predictors of dynamic foot function in idiopathic clubfoot by foot radiographs. SICOT 3rd International Clubfoot Conference, San Diego, CA, August 27-28, 2002.
  42. Thometz JG, R. Manz, and Liu XC. Reproducibility of radiographic measurements in patients with idiopathic tarsal coalition who had resection. American Academy of Pediatrics, New Orleans, LA, November 1, 2003.
  43. Thometz JG, Liu XC and Kroner J. Comparison of posture and gait in adolescent idiopathic scoliosis patients with anterior and posterior fusion. 2004 Medical Student Summer Research, Medical College of WI, Sept. 30, 2004.
  44. Thometz JG, Liu XC, Lyon R, and Broudeau C. Six-segmental foot model using ETS. 2nd ISB/29th ASB, Cleveland, OH, 01/31-08/05, 2005.
  45. Thometz JG, Liu XC, Reinenck J, Lyon R, and Tassone C. Changes of three-dimensional back contour following posterior fusion for idiopathic scoliosis. International Meeting of the International Research Society of Spinal Deformities, Ghent, Belgium 06/21-24, 2006.
  46. Thometz JG, Liu XC, Reinenck J, Lyon R, and Tassone C. Changes of three-dimensional back contour following posterior fusion for idiopathic scoliosis. American Academy of Pediatrics, Oct. 7-8, 2006
  47. Liu XC, Rizza R, Thometz JG, and Tassone C. Prediction of spinal alignment with different instruments using FEA Organization: Orthopaedic Research Society, Feb. 11-14, San Diego, CA, 2007.
  48. C.Tassone, XC.Liu, T. Jones, J.Thometz, and R.Lyon. Alteration of Mobility and Trunk Muscle Activation During Walking and Bending in AIS Patients with Posterior Fusion. International Research Society of Spinal Deformities (IRSSD), Liverpool, UK, 07/08-07/13/2008, Liverpool, UK.
  49. Rizza, R., Liu XC, Mahinfalah M, Wang Y, Thometz JG, Lyon R and Tassone C. An In-Vitro Experiment To Study Sustained Torque On The Spine. Presented at the 2009 ASME Summer Bioengineering Conference, , Lake Tahoe, CA. June 17-21, 2009
  50. Thometz JG, Liu XC, Lyon R, Tassone C, Mckillip J, and Tarima S. Long-Term Follow-Up in Children with Clubfoot Using Clubfoot Functional Score. American Academy of Pediatrics, Oct.16-20, Washington DC, 2009.
  51. F Klingbeil, XC Liu, C Tassone, R Lyon, and J Thometz. Impact of the Ankle-Foot Orthoses on 3D ankle joint Rotation in Children with Spastic CP. AAPMR, Oct.22-25, 2009, Austin, TX.
  52. XC Liu, F Klingbeil, J Tassone, R Lyon, and J Thometz. The AFO on Increased Internal Rotation of the Ankle in Children with Spastic CP. Interdisciplinary Workshop on Biomechanical Engineering in Orthopaedics and Rehabilitation. Oct.31st, 2009, Shriners hospital for Children, Chicago.
  53. L Rankine, XC Liu, C Tassone, S Tarima, J Thometz, and R Lyon. Effects of Trunk Position on Spinal Topography Measurements Using Newly Developed System. Interdisciplinary Workshop on Biomechanical Engineering in Orthopaedics and Rehabilitation. Oct.31st, 2009, Shriners hospital for Children, Chicago.
  54. T. Jones, XC.Liu, JC Tassone, J. Thometz, R. Lyon. Altered Mobility and Trunk Muscle Activation in Adolescent Idiopathic Scoliosis after Posterior Spinal Fusion. 24th The North American Spine Society (NASS). 11/10-14, 2009, San Francisco, CA.
  55. Rizza, R.; Liu, X.C.; Thometz, J.; R. Lyon; Tassone, C.; Harris, G. Effectiveness of a New Dynamic Pedorthosis with Wedge on the Clubfoot. 56th Annual Meeting of the Orthopaedic Research Society. 03/6-9, 2010, New Orleans, Louisiana.

56. XC. Liu, D. Embrey, R. Lyon, C. Tassone, F. Klingbeil, BA. Brandsma, C. Marquez, S.Tarima, J.Thometz, and E.Dabrowski. Does the Anatomical Foot and Ankle Motion Really Change Following Orthotic Intervention in Children with Spastic CP? GCMAS Combined EMACS, May 12-15, 2010, Miami, Florida.
57. Liu, X.C., Rizza, R., Thometz, J., Lyon, R., Tassone, C., Tarima, S. Effect of Novel CAD Designed Pedorthosis for Children with Clubfoot. GCMAS Combined EMACS, May 12-15, 2010, Miami, Florida.
58. Rizza, R.; Liu, X.C.; Thometz, J.; R. Lyon: Tassone. Implementation of a New Torque Device in Ox-Tails. Presented at the ASME Summer Bioengineering Conference, June 16-19, 2010, Naples, Florida.
59. XC. Liu, R. Rizza, J. Thometz, R. Lyon, C.Tassone, S.Van Valin, and G. Harris. Impact of a New Dynamic Pedorthosis on the Clubfoot Function. The Rehabilitation Engineering and Assistive Technology Society of North American (RESNA), June 26-30, Las Vegas, 2010.
60. XueCheng Liu, David Embrey, Roger Lyon, Channing Tassone, Fred Klingbeil, Sergey Tarima, John Thometz, and E. Dabrowski. Effects of Orthotic Intervention on the Multi-Segment Foot in Children with CP. The Rehabilitation Engineering and Assistive Technology Society of North American (RESNA), June 26-30, Las Vegas, 2010.
61. R. Rizza, Xue C. Liu, J. Thometz, C. Tassone, and R. Lyon. Design and Measurement of an In Vitro Torque Device in Ox-Tails. International Research Society of Spinal Deformities (IRSSD), July 1st -3rd, 2010, Montreal, Canada.
62. M. Trawicki, XC.Liu, C.Tassone, J.Thometz, and R.Lyon. Improvements in Three-Dimensional Back Contour After Spinal Fusion For Idiopathic Scoliosis. International Research Society of Spinal Deformities (IRSSD), July 1st -3rd, 2010, Montreal, Canada.
63. X.C. Liu, R. Rizza, J. Thometz, R. Lyon, C. Tassone, S. Tarima. Effect of CAD Designed Pedorthosis with Build-in Wedge for Children with Clubfoot. 12th ESM Conference on Dynamic Load Distribution in Biomechanics, August 14-17, 2010, Providence, RI.
64. F. Klingbeil, XC. Liu, D. Embrey, R. Lyon, C. Tassone, S.Tarima, J.Thometz, and E.Dabrowski. Comparisons of multiple segment foot motion between different orthotic interventions in children with spastic CP. 64th AACPD, Sept.22-25th, 2010, Washington, DC.
65. L.Rankine, XC. Liu, C. Tassone, S. Tarima, J. Thometz, and R. Lyon. Effect of Trunk Position on Spinal Topography Measurements Using Newly Developed System. International Research Society of Spinal Deformities (IRSSD), July 1st-3rd, 2010, Montreal, Canada.
66. HG. Tomasiewicz, XC.Liu, C.Tassone, and J.Thometz. Development of Zebrafish as a Natural Model System for Studying Scoliosis. International Research Society of Spinal Deformities (IRSSD), July 1st -3rd, 2010, Montreal, Canada.
67. Tomasiewicz, HG; Liu, XC; Tassone, C; Thometz, J. An Idiopathic Scoliotic Model in Zebrafish. Annual meeting of the Orthopaedic Research Society, Jan.13-16, 2011, Long Beach, CA.
68. Liu, XC; Embrey, D; Tassone, C; Klingbeil, F; Lyon, R; Thometz, J; Tarima, S; and E.Dabrowski. Effects of the Use of Orthotics on Anatomical Foot and Ankle Motion in Children with Spastic CP. Annual meeting of the Orthopaedic Research Society, Jan.13-16, 2011, Long Beach, CA
69. Liu, XC; Rizza, R.; Thometz, J.; Lyon, R; Tassone, C; North, P, Lerch-Gaggl AF, and Jensen E. In-Vivo Torque Effect on Growth in Rat Tails. Annual meeting of the Orthopaedic Research Society, Jan.13-16, 2011, Long Beach, CA
70. Liu, X.C., Marquez, C., Lyon, R., Tassone, C, Thometz, J., and Tarima, S. Correlations between MRI Measurements and 3D Motion in a Six-Segment-Foot Model in Children with CP. Annual Gait and Clinical Movement Analysis Society Conference (GCMAS), 04/26-29, 2011, Bethesda, Maryland
71. Liu, X.C., Rizza, R., Thometz, J., Lyon, R., Tassone, C., S.Van Valin., and Tarima, S. Impact of Individualized Pedorthosis on Plantar Pressures and Functional Outcomes for Children with Clubfoot. Annual Gait and Clinical Movement Analysis Society Conference (GCMAS), 04/26-29, 2011, Bethesda, Maryland
72. John. Thometz, Xue C. Liu, and Robert Rizza. Impact of In-Vivo Rotational Device in the Growth Modulation of Rat Tail. The 5th International Congress on Early Onset Scoliosis and Growing Spine (ICEOS). November 18-19, Orlando, FL, 2011
73. E. Linford, C.Tassone, XC. Liu, R .Rizza, and J.Thometz. Pressure Analysis in Children with Residual Clubfoot Wearing a Newly Designed Pedorthosis 8th Annual International Pediatric Orthopaedic Symposium (IPOS), Lake Buena Vista, FL, Dec.7-10th, 2011
74. Liu, XC; Tassone, JC; Thometz, JG; Lyon, RM; Marquez-Barrientos, C; Tarima, S; Johnson, PR; Lim, CH; Paulsen, LC. Development of a New 3D Topographic Device for Monitoring Scoliosis Progression in

- Children. 2012 ORS Annual Meeting, Feb.4th-7th, San Francisco, CA.
75. Rizza, R.; Liu, X.C.; Thometz, J.; Lyon, R.; Tassone, C.; Van Valin, S. Validation of Dynamic Pedorthosis in the Treatment of Clubfoot. 2012 ORS Annual Meeting, Feb.4th-7th, San Francisco, CA.
  76. XC. Liu, K. Zvara, D. Embrey, R. Lyon, F. Klingbeil, C. Tassone, S. Tarima, J. Thometz FOLLOW-UP IN FOOT AND ANKLE JOINT MOTION AFTER ORTHOTIC INTERVENTION IN CHILDREN WITH SPASTIC CEREBRAL PALSY. Annual Gait and Clinical Movement Analysis Society Conference (GCMAS). May 10-12, 2012, Grand Rapids, MI. C Marquez-Barrientos, XC Liu, D. Embrey, R. Lyon, C. Tassone, S.Tarima, J.Thometz. Agreement between visual Foot Motion Assessment and Quantitative Motion Measured by 6 Segment Foot Model. Annual Gait and Clinical Movement Analysis Society Conference (GCMAS). May 10-12, 2012, Grand Rapids, MI.
  77. Rizza, R., Liu, X.C., and Thometz, J. The In-Vivo Effect of Torque on Growth in Caudal Vertebrae. 9th International Research Society of Spinal Deformities (IRSSD), 0701/2012-07/04/2012, Poznan, Poland.
  78. Tomasiewicz, HG; Liu, XC; Tassone, C; Thometz, J. A line of Zebrafish with Increased Incidence of Spinal Deformities. 9th International Research Society of Spinal Deformities (IRSSD), 0701/2012-07/04/2012, Poznan, Poland.
  79. Liu, XC; Tassone, JC; Thometz, JG; Lyon, RM; Tarima, S; Lim, CH; Paulsen, LC. A New 3D Topographic Device for Monitoring Scoliosis Progression in Children. 9th International Research Society of Spinal Deformities (IRSSD), 0701/2012-07/04/2012, Poznan, Poland.
  80. C. H. Lim, C. Tassone, X. C. Liu, J. G. Thometz, R. Lyon. Correlation of idiopathic scoliosis assessments between newly developed Milwaukee Topographic System and Quantec. 9th International Research Society of Spinal Deformities (IRSSD), 0701/2012-07/04/2012, Poznan, Poland.
  81. Henry G.Tomasiewicz; Channing. Tassone; John.Thometz; Xue C.Liu. A Line of Zebrafish with Progressive Spinal Curvature. 47th Scoliosis Research Society. Proceeding, Page : 110. Sept.5-8, 2012, Chicago, IL.
  82. Liu, XC, Thometz, JG, Marquez-Barrientos, C, and Tassone, JC. Correlation between Stereoradiography and 3D Topographic Measurements. International Society on Scoliosis Orthopaedic Rehabilitation and Treatment (SOSORT), Chicago, IL, May 8-11, 2013.
  83. Thometz, JG, Liu, XC, Tassone, JC, Lyon, RM. Clinical Application of 3D Topographic Device for Monitoring Scoliosis Progression. International Society on Scoliosis Orthopaedic Rehabilitation and Treatment (SOSORT), Chicago, IL, May 8-11, 2013.
  84. S Reid, C Tassone, J Thometz, and XC Liu. Impact of Manual Therapy in Children with Adolescent Idiopathic Scoliosis. International Society on Scoliosis Orthopaedic Rehabilitation and Treatment (SOSORT), Chicago, IL, May 8-11, 2013.
  85. Robert Rizza, XueCheng Liu, John Thometz. Comparison of biomechanical Behavior Between a Cast material Torso Jacket and a Polyethylene Based Jacket. The 10th Meeting of International Research Society of Spinal Deformities (IRSSD), Sapporo, Japan, 06/29-07/02, 2014
  86. L. Rankine, C.Tassone, J.Thometz, R.Lyon, M. Woiczik, and XC.Liu. Charge analysis of pedicle screw constructs verse hooks or hybrid constructs in the treatment of idiopathic scoliosis. 2013 Annual Conference, Wisconsin Orthopaedic Society, Milwaukee, WI, 10/11-12, 2013.
  87. Marquez-Barrientos C, Liu X.C, Thometz J, Lyon R, Tarima S, and Verber M. Comparison of six segment foot movements measured with MRI and motion capture in typically developing children. Combined meeting: American Academy of Cerebral Palsy and Developmental Medicine and Tech4POD, Milwaukee, 10/17, 2013
  88. John Thometz, Xue C. Liu, and Channing Tassone. Does 3D Back Contour Changes Following Spinal Fusion in Children with Idiopathic Scoliosis? SOSORT, Wiesbaden, Germany, May 8-10th, 2014.
  89. L. Rankine, C.Tassone, J.Thometz, R.Lyon, M. Woiczik, and XC.Liu. Charge analysis of pedicle screw constructs verse hooks or hybrid constructs in the treatment of idiopathic scoliosis. 17th Annual John S. Gould Lectureship, Dept. of Orthopaedic Surgery, Milwaukee, WI, 06/27, 2014.
  90. XueCheng Liu, John Thometz, Channing Tassone. does Topographic Measurement Predict Axial Vertebral Rotation by Stereoradiography? The 10th Meeting of International Research Society of Spinal Deformities (IRSSD) Sapporo, Japan, 06/29-07/02, 2014
  91. Derek Rosol; Xue-Cheng Liu; John Thometz; Channing Tassone; Robert Rizza; and Paula North. Asymmetric Remodeling of the Caudal Vertebral Growth Plate. 18th Annual John S. Gould Lectureship. Dept. of Orthopaedic Surgery, Medical College of Wisconsin, Milwaukee, 06/19/2015
  92. Aria Bagheri, XueCheng Liu, Channing Tassone, John Thometz, and Hoffmann. The application of stereo-radiographic 3D imaging in the evaluation of children with idiopathic scoliosis. Medical Student



Research Day, Medical Student summer research training and education program, MCW, Abstract: page 41. Oct.1. 2015.

93. John. Thometz, XueCheng. Liu, Robert. Rizza, Derek. Rosol, Channing. Tassone, Sergey. Tarima, and Paula. North. Static vs. Dynamic Torque on Asymmetric Remodeling of the Caudal Vertebral Growth Plate. Annual ORS Meeting, Disney's Coronado Springs Resort, Orlando, FL, March 5-8, 2016.
94. XueCheng. Liu, Robert. Rizza, Roger. Lyon, Scott. Van Valin, and John. Thometz. Development of Fluoroscopy and Dynamic Pressure Based Orthotics in Pediatric Flatfoot. Annual ORS Meeting, Disney's Coronado Springs Resort, Orlando, FL, March 5-8, 2016
95. XueCheng. Liu, Robert. Rizza, John. Thometz, Derek. Rosol, Channing. Tassone, Sergey. Tarima, and Paula. North. IMPACTS OF DIFFERENT TORQUES ON REMODELING OF THE CAUDAL VERTEBRAL GROWTH PLATE. The 1st Joint Meeting of the International Research Society of Spinal Deformities and the Society on Scoliosis Orthopaedic and Rehabilitation Treatment (SOSORT-IRSSD), Banff, Canada, May 25-28, 2016
96. Marissa Selthafner, Kaitlin Hong, XueCheng Liu, John Thometz, and Channing Tassone. Spine stabilization exercises improves shoulder and pelvic asymmetry in persons with adolescent idiopathic scoliosis. The 1st Joint Meeting of the International Research Society of Spinal Deformities and the Society on Scoliosis Orthopaedic and Rehabilitation Treatment (SOSORT-IRSSD), Banff, Canada, May 25-28, 2016.
97. John. Thometz, XueCheng. Liu, Robert. Rizza . CAD/CAM ASSISTED BRACING FOR CHILDREN WITH INFANTILE OR JUVENILE SCOLIOSIS. The 1st Joint Meeting of the International Research Society of Spinal Deformities and the Society on Scoliosis Orthopaedic and Rehabilitation Treatment (SOSORT-IRSSD), Banff, Canada, May 25-28, 2016.
98. J.Thometz , XC. Liu, C.Tassone. The reproducibility of 3D spinal reconstruction of children with idiopathic scoliosis using EOS. AAOS, San Diego, 03/14-18, 2017
99. John Thometz, Xuecheng Liu, Robert Rizza, Ian English, and Sergey Tarima. Mi3C bracing for children with infantile or juvenile scoliosis. 12th SOSORT, Book of Abstract: P 16, Lyon, France, May 5-7, 2017
100. J.Thometz and XC.Liu. Serial CAD/CAM Bracing: An Alternative to Serial Casting for Early Onset Scoliosis. AAOS 2018 Annual Meeting, March 6-10, New Orleans, Louisiana, Scientific Exhibit, SE28, 2018.
101. Kenoma Anighoro, Adam Miller, Xue Cheng Liu, Channing Tassone, John Thometz. Perioperative Assessment of Vertebral Rotation in Adolescent Idiopathic Scoliosis Using Biplanar Radiography. AAOS 2018 Annual Meeting, March 6-10, New Orleans, 2018
102. Xue-Cheng Liu, John Thometz, Channing Tassone, Adam Thiessen, Mahua Dasgupta, Pippa Simpson, Aria Bagheri. Patterns of Intervertebral Axial Rotations in Children with Idiopathic Scoliosis. IRSSD Meeting 2018, Utrecht, the Netherlands, June14-16, 2018.
103. Robert Rizza, Xue-Cheng Liu, John Thometz and Anewenter, V. Optimal Thickness for Additive Manufactured Brace. IRSSD Meeting 2018, Utrecht, the Netherlands, June14-16, 2018.
104. Kenoma Anighoro, Channing Tassone, Adam Miller, John Thometz, and Xue-Cheng Liu. Does Direct Vertebral Body Derotation Using Multiple-Level Pedicle Screws Improve Axial Vertebral Rotation? A Pre- and Post-Operative Analysis Using Biplanar Radiography. IRSSD Meeting 2018, Utrecht, the Netherlands, June14-16, 2018
105. Adam Miller, Kenoma Anighoro, Channing Tassone, John Thometz, Xue-Cheng Liu. Reliability of the EOS 3D Imaging System for Adolescent Idiopathic Scoliosis Patients Status Post-Surgery. IRSSD Meeting 2018, Utrecht, the Netherlands, June14-16, 2018
106. Robert Rizza, Xue-Cheng Liu, John Thometz, Vince Anewenter and Aaron Armstrong. Optimal Mechanical Properties for Additive Manufactured Brace. 14th International SOSORT Meeting, Abstract proceeding, San Francisco, 04/18-20, 2019
107. John Thometz and XueCheng Liu. An Elongation Bending Derotation Brace: An Alternative to Serial Casting for Early Onset Scoliosis. 14th International SOSORT Meeting, Abstract proceeding, San Francisco, 04/18-20, 2019.
108. Jonathan Horng; Xue-Cheng Liu; John Thometz, Channing Tassone; and Benjamin Escott. Potential for comprehensive evaluation of scoliosis using Formetric 4D. 14th International SOSORT Meeting, Abstract proceeding, San Francisco, 04/18-20, 2019
109. Katherine Lukas, Channing Tassone, Xue-Cheng Liu, John Thometz, Benjamin Escott, Sergey Tarima. Effect of Brace Type on Spine Curvature in Treatment of Adolescent Idiopathic Scoliosis. Orthopaedic Research Society (ORS), Phoenix, Arizona, Feb 8-11, 2020.
110. Jonathan Horng, Xue-Cheng Liu, John Thometz, and Channing Tassone. Does Thoracoplasty Improve 3D

- Back Contour of Adolescent Idiopathic Scoliosis Patients? Orthopaedic Research Society (ORS), Phoenix, Arizona, Feb 8-11, 2020.
111. Effect of PSSE on Postural Sway in AIS Using Center of Pressure; Xue-Cheng Liu, Marissa Selthafner, Ford Ellis, Channing Tassone, John Thometz, and Benjamin Escott. IRSSD 2021 Virtual Congress, January 22-23, 2021 Milwaukee, WI
  112. Evaluation of Plantar Pressures and Center of Pressure Trajectories in Adolescent Idiopathic Scoliosis; Jonathan Horng, Xue-Cheng Liu, John Thometz, Channing Tassone, and Allison Duey-Holtz. IRSSD 2021 Virtual Congress, January 22-23, 2021 Milwaukee, WI
  113. Follow-up of an Elongation Bending Derotation Brace in the Treatment of Infantile Scoliosis; John Thometz, Xue-Cheng Liu. IRSSD 2021 Virtual Congress, January 22-23, 2021 Milwaukee, WI
  114. Comparison of Two Types of Casting in Early-onset Scoliosis; Channing Tassone, John Thometz, Benjamin Escott, Cordell Spellman, and Xue-Cheng Liu. IRSSD 2021 Virtual Congress, January 22-23, 2021 Milwaukee, WI
  115. Boston vs. Providence Brace in Treatment of Adolescent Idiopathic Scoliosis; Katherine Lukas, Channing Tassone, Xue-Cheng Liu, John Thometz, Benjamin Escott, and Sergey Tarima. IRSSD 2021 Virtual Congress, January 22-23, 2021 Milwaukee, WI
  116. Effect of Adjunct Thoracoplasty on Adolescent Idiopathic Scoliosis Patients' 3D Back Contour; Jonathan Horng, Xue-Cheng Liu, John Thometz, and Channing Tassone. IRSSD 2021 Virtual Congress, January 22-23, 2021 Milwaukee, WI
  117. Effect of Casting in the treatment of Early Onset Scoliosis; Rachel L. Lenhart, Channing Tassone, Xue-Cheng Liu, John Thometz, Cordell Spellman, Benjamin Escott. IRSSD 2021 Virtual Congress, January 22-23, 2021 Milwaukee, WI
  118. 3D Printed EBDB for Juvenile Scoliosis: experience with its design, materials and process; Xue-Cheng Liu, Robert Rizza, Vince Anewenter, John Thometz, Claire Crouch. IRSSD 2021 Virtual Congress, January 22-23, 2021 Milwaukee, WI
  119. The Use of Torso Measurement Frame to Create an Elongation Bending Derotation Brace in Juvenile Scoliosis During Standing; Xue-Cheng Liu, John Thometz, Robert Rizza. IRSSD 2021 Virtual Congress, January 22-23, 2021 Milwaukee, WI
  120. Comparisons of Trunk Rotations and Deviations During Walking Before and After PSSE; Caitlin Murphy, Marissa Selthafner, Xue-Cheng Liu, Channing Tassone, John Thometz. IRSSD 2021 Virtual Congress, January 22-23, 2021 Milwaukee, WI
  121. Aymeric Guy, MS; Maxence Coulombe, BEng; Hubert Labelle, MD; Manuel Rigo, MD; M S Wong, PhD; Babak H. Beygi, PhD; James Wynne, CPO, FAAOP; M. Timothy Hresko, MD; Eric Ebermeyer, MD; Philippe Vedreine ; Xue-cheng Liu, MD, PhD; John G. Thometz, MD; Benoit Bissonnette ; Charlotte Sapaly, MS; Soraya Barchi, BSc; Carl-Eric Aubin, PhD. Biomechanical Effectiveness of Various Brace Designs to Treat Adolescent Idiopathic Scoliosis: An International Multicenter Study. 57th Annual SRS meeting, Stockholm, Sweden, Sept.14-17, 2022
  122. Jesse A. Fletcher, John G. Thometz, Xue-Cheng Liu. Analysis of Adolescent Idiopathic Scoliosis Population for Surgical Site Infection Risk Factors. Annual Orthopaedic Research Society (ORS), Abstract with No.902, Dallas, TX, February 10-14, 2023
  123. Naisarg Vanani and J.Thometz. A retrospective review of VEPTR instrumentation in patients with neuromuscular scoliosis with regard to complication in instrumentation alignment. Medical Student summer research training and education program, Poster, MCW, Oct.3. 2022.
  124. Jesse A. Fletcher, John G. Thometz, Xue-Cheng Liu. Analysis of Adolescent Idiopathic Scoliosis Population for Surgical Site Infection Risk Factors. Annual Orthopaedic Research Society (ORS), Abstract with No.902, Dallas, TX, February 10-14, 2023.
  125. Liu XC, Rizza R, Tassone C, Escott B, Thometz J, Thiessen A and Anewenter V. Impact of 3D Printing Process on Mechanical Properties of Brace in Children with Idiopathic Scoliosis. 2023 SPINE WEEK: SOSORT - INTERNATIONAL SOCIETY ON SCOLIOSIS ORTHOPAEDIC AND REHABILITATION TREATMENT. Melbourne, Australia; May 1-5th, 2023
  126. Patel M, Liu XC, Thometz J, Tassone C, and Escott B. Correlation of transverse rotation of the spine using surface topography and 3D reconstructive radiography in children with idiopathic scoliosis. 2023 SPINE WEEK: SOSORT - INTERNATIONAL SOCIETY ON SCOLIOSIS ORTHOPAEDIC AND REHABILITATION TREATMENT. Melbourne, Australia; May 1-5th, 2023