*Curriculum Vitae*

A person in a suit and tie

Description automatically generated with medium confidence

**Michael G. Vitale, M.D., MPH**

*Ana Lucia Professor of Pediatric Orthopedic Surgery & Neurosurgery*

*Chief, Pediatric Spine and Scoliosis Service*

*Director, Pediatric Orthopedic Surgery-New York Presbyterian Enterprise*

*Vice Chair – Quality and Strategy, Department of Orthopedic Surgery*

*Director, Advanced Pediatric Spinal Deformity Fellowship*

1. **DEMOGRAPHICS**

**HOSPITAL NAME** Morgan Stanley Children’s Hospital of New-York Presbyterian

**INSTITUTION** Columbia University Irving Medical Center

**OFFICE ADDRESS** 3959 Broadway, 8th floor (North), New York, NY 10032

**PHONE** Office: (212) 305-5475

**FAX** Fax: (212) 305-9754

**EMAIL** [mgv1@cumc.columbia.edu](mailto:mgv1@cumc.columbia.edu)

**COMPANY WEBSITE** [www.columbiaortho.org](http://www.columbiaortho.org)

**PERSONAL WEBSITE** [www.pediatricscoliosissurgery.com](http://www.pediatricscoliosissurgery.com)

**DATE OF PREPARATION February 2023**

**DATE OF BIRTH** November 4th, 1967

**PLACE OF BIRTH** New York, NY

**CITIZENSHIP** USA

1. **EDUCATION**

**ACADEMIC TRAINING**

**Undergraduate** Trinity College, Hartford, CT

B.S. Biology /Psychology Double Major

Honors Thesis: Developmental Interactions between the Dopamine and Opioid System

August 1985 – May 1989

**Medical** Columbia University College of Physicians and Surgeons, Columbia College

New York, New York

August 1989 – May 1995

**Masters** M.P.H., Columbia University School of Public Health

New York, New York

Concentration in Outcome Studies

August 1989 – May 1995

**POSTDOCTORAL TRAINING**

**Research Fellow** Post-Doctoral Orthopaedic Research Fellow

Columbia University Medical Center, New York, New York

August 1994 – August 2000

**Internship** General Surgery, Columbia University Medical Center

New York, New York

August 1995 – August 1996

**Residency** Department of Orthopaedic Surgery, Columbia University Medical Center

New York, New York

August 1996 – August 2000

**Fellowship** Pediatric Orthopaedic Surgery, The Children’s Hospital of Los Angeles under Vernon Tolo, MD

Los Angeles, California

August 2000 – August 2001

**LICENSURE**

*Diplomat of National Board of Medical Examiners*

New York Medical License #203658-1

June 30th, 1989 – Present

Connecticut Medical License #045315

April 24th, 2007 – November 30th, 2014

**BOARD CERTIFICATION**

Certified July 11th,2003 American Board of Orthopaedic Surgery

**PROFESSIONAL ORGANIZATIONS AND SOCIETIES**

1998 – Present American Academy of Orthopaedic Surgery

2002 – Present Society of Practitioners of the Columbia Presbyterian Medical Society

2002 – Present Association of Children’s Prosthetic Orthotic Clinics

2003 – Present Pediatric Orthopaedic Society of North America (POSNA)

2003 – Present Pediatric Orthopaedic Club of New York

2003 – Present Brooklyn Orthopaedic Society

2004 – Present American Academy of Pediatrics

2005 – Present Orthopaedics Today Editorial Board

2005 – Present Scoliosis Research Society

2007 – Present American Orthopaedic Association

2007 – Present New York State Orthopaedic Society

2007 – Present Limb Lengthening and Reconstruction Society

2010 – Present Co-Founder, Alexandra’s Playground. Mission to Provide Playgrounds (35 to date) to children in need

2010 – 2020 Health Volunteers Overseas

2012 – Present International Pediatric Orthopedic Think Tank (IPOTT)

2016 – Present Academy of Clinical Excellence (Columbia University College of Physicians and Surgeons)

2017 – Present C4K Board of Directors (Crutches for Kids)

2017 – Present Founder, Project for Safety in Spine Surgery

2022 – Present Atria Health, Board of Directors. Mission to Transform Healthcare Through Novel Evaluation Strategies and Best in Class Care Navigation

**ACADEMIC APPOINTMENTS**

January 2011 – Present Ana Lucia Professor of Pediatric Orthopaedic Surgery

Columbia University, College of Physicians and Surgeons

September 2007 – December 2010 Ana Lucia Associate Professor of Pediatric Orthopaedic Surgery

Columbia University, College of Physicians and Surgeons

August 2002 – September 2005 Herbert Irving Assistant Professor of Orthopaedic Surgery

Columbia University, College of Physicians and Surgeons

August 2001 – September 2007 Assistant Professor Orthopaedic Surgery

Columbia University College of Physicians and Surgeons

September 2000 – September 2008 Director, Division of Pediatric Outcomes Responsibilities Include:

Supervision of full time Research Support Staff, Coordination of Research Activities between the Departments of Orthopaedic Surgery and In CHOIR, Organization of Visiting Speakers, Grant Writing, and Data Analysis

**HOSPITAL APPOINTMENTS**

March 2006 – Present Chief, Pediatric Spine and Scoliosis Surgery

Morgan Stanley Children’s Hospital of New York Presbyterian

July 2020 – Present Director, Division of Pediatric Orthopedics, New York Presbyterian Enterprise

July 2013 – July 2020 Director, Division of Pediatric Orthopaedics, Columbia Orthopedics

Morgan Stanley Children’s Hospital of New York Presbyterian

June 2008 – June 2013 Chief, Division of Pediatric Orthopaedics

Morgan Stanley Children’s Hospital of New York Presbyterian

July 2013 – Present Medical Director, MSCH Initiative to Make Care Better

Stanley Children’s Hospital of New York Presbyterian

March 2009 – Present Attending in Pediatric Orthopaedic Surgery

Stamford Hospital

Stamford, Connecticut

June 2007 – Present Attending in Pediatric Orthopaedic Surgery

Greenwich Hospital

Greenwich, Connecticut

September 2001 – Present Attending in Pediatric Orthopaedic Surgery

Morgan Stanley Children’s Hospital of New York Presbyterian

New York, New York

January 2003 – October 2007 Attending in Orthopaedic Surgery

Methodist Hospital

Brooklyn, New York

July 2002 – February 2008 Attending in Orthopaedic Surgery

Maimonides Medical Center

Brooklyn, New York

January 2001 – January 2008 Attending in Orthopedic Surgery

Lutheran Medical Center

Brooklyn, New York

1. **HONORS/AWARDS**

2016 **Orthopedics This Week: 17 of the Top North American Pediatric Orthopedic Surgeons Development**

This list is of the most impressive pediatric orthopedic surgeons in North America. This information was obtained via a survey of thought leaders in the field.

2011 – 2017 **Top Doctors**: USNWR

2013 **Becker’s Spine Review List: 50 Spine Surgeons Focusing on Scoliosis Development**

The list includes physicians focused on scoliosis and spinal deformity surgery and research. Many spine surgeons included in this list are leaders among scoliosis organizations and academic institutions.

2013 **Samburg Scholars in Children’s Health Award**

To recognize outstanding achievement in pediatric medicine and to foster the work of young leaders in the field, New York Presbyterian Morgan Stanley Children’s Hospital, New York, New York

2012 - 2013 **Arthur H. Huene Memorial Award**

Pediatric Orthopaedic Society of North America

Title: Assessing the Reliability and Validity of an Early Onset Scoliosis Subgroup Classification Schema

Sponsor: Pediatric Orthopaedic Society of North America

June 1, 2012- May 31st ,2013

Principal Investigator: Michael G. Vitale

Co-Investigator: David P. Roye, Benjamin Roye, Hiroko Matsumoto Amount: $30,000

2009 **First Place Award for Best Resident Paper**

Health Related Quality of Life in Children with Early Onset Scoliosis: Validation of the Early Onset Scoliosis Questionnaire (EOSQ). Corona J, Roye Jr DP, Matsumoto, Avendano J, Vitale MG. Presented at the American Academy of Pediatrics. Washington DC. October 2009. $1,000 awarded.

2008 **First Place Award for Best Resident Paper**

Risk Factors for Spinal Cord Injury during Spinal Deformity Surgery: An Analysis of SEP and MEP Monitoring. Gomez JA, Vitale MG, Moore D, Matsumoto H, Emerson RG, Booker WA, Gallo E, Hyman JE, Roye Jr DP. Presented at the American Academy of Pediatrics. Boston, MA. October 2008. $1,000 awarded.

2007 **Scoliosis Research Society New Investigator Award**

For the study “CT Analysis of Pedicle Screw Placement in Pediatric Patients”

2007 **POSNA Angela S. M. Kuo Young Investigator Award**

For the study “Quality of Life, Burden of Care and Parental Impact in Children and Families Undergoing Repetitive Surgery for Early Onset Scoliosis

Principle Investigator: **MG Vitale** Co-Investigator: DP Roye Jr, JE Hyman, H Matsumoto Amount: $15,000

2006 **POSNA 2006 Traveling Fellowship Recipient**

One of three pediatric Orthopaedic Surgeons chosen to represent the Pediatric Orthopaedic Society of North American during 3 weeks of visitations to centers of pediatric Orthopaedics in Europe

2006 **American Academy of Pediatrics, 2006 Section on Orthopaedics, Second Place Resident Research Award**

Patient-based Outcomes in Club Foot Treatment: A Long Term Follow Up Study Presented at the American Academy of Pediatrics, Atlanta, Georgia. Samuel DS, Hyman JE, Matsumoto H, Morcuende J, **Vitale, MD**. $1,000 awarded.

2005 **Robert N. Hensinger 2005 Clinical Scientific Paper Award**

For presenting the Outstanding Clinical Paper presented at the 2005 POSNA Annual Meeting entitled “Volume of Scoliosis Surgery Among Surgeons with Spine versus Pediatric Fellowship Training in the States of New York and California.”

2002 **Irving Scholar Award**

Irving Center of Clinical Research, Columbia University, New York, New York

2001 **Leadership Fellows Program Award**

AAOS National Fellowship Program designed to select and train those with Leadership potential within the Field of Orthopaedic Surgery

2000 **Nominee for Humanism and Excellence in Teaching Award**

Arnold P. Gold Foundation

1998 & 2000 **Award for Best Resident Research Paper**

Pediatric Orthopaedic Society of New York

Awarded at the Annual POCNY Research Conference

1995, 1998 & 2000 **Rosamond Kane, ’52 Memorial Award in Pediatric Orthopaedics**

1998 **Harrison McLaughlin Award in Orthopaedic Trauma**

1998 **Parkinson’s Disease Foundation Research Fellowship**

Columbia University, College of Physicians and Surgeons

1997 **Frank Stinchfield Award in Orthopaedic Research**

Presented at the Annual NYOH Alumni Reunion

1995 **Community Service Award**

Medical Society of State of New York State

1994 **Dean’s/NIH Award for Basic Science Research**

Supported six months of work in the Biochemistry Section of the Orthopaedic Research Laboratory at the Columbia University Irving Medical Center working under Anthony Ratcliffe, PH.D. and Van C. Mow, PH.D. Responsibilities included cartilage harvest and culture, refinement of in vitro system of mechanical loading, RNA and DNA isolation, and quantitative polymerase chain reaction.

1990 **Thomas J. Watson Traveling Fellowship**

A national scholarship, which supported one year of independent research. Research focused on an exploration of the cultural context of health care in England, Italy and Japan

1. **FELLOWSHIP & GRANT SUPPORT**

2023 – 2024 **Pediatric Spine Study Group Grant**

Title: Patient characteristics leading to permanent correction of Juvenile Idiopathic Scoliosis

Principal Investigator: Benjamin D. Roye; Co-Investigators: **Michael G. Vitale**. Afrain Boby, Alondra Concepcion, Christina Raymond

Amount: $20,000

2023 – 2024 **Pediatric Spine Study Group Grant**

Title: *Developing a Frailty Model to Identify Pediatric Spinal Deformity Patients At-Risk for Prolonged Hospital Stay*

Principal Investigator: **Michael G. Vitale**; Co-Investigator: Benjamin D. Roye, Afrain Boby, Christina Raymond, Alondra Concepcion

2023 – 2024 **Orthopedic Science Research Foundation Grant**

Title: *Using Thermal Sensors to Investigate the Effects of Sagittal vs Axial Parameters on Curve Progression*

Principal Investigator: **Michael G. Vitale**; Co-Investigator: Benjamin D. Roye, Afrain Boby, Christina Raymond, Alondra Concepcion

Amount: $6,000

2021 – 2023 **Scoliosis Research Society**

Title: Part-Time Bracing for At-Risk Mild JIS Curves: A Multicenter Retrospective Investigation

Principal Investigator: Benjamin D. Roye; Co-Investigators: **Michael G. Vitale**, Hiroko Matsumoto, Afrain Boby

Amount: $75,000

2021 – 2023 **Scoliosis Research Society**

Title: Developing a Patient-Reported Spinal Function and Mobility-Based Outcome Measure

Principal Investigator: Benjamin D. Roye; Co-Investigators: **Michael G. Vitale**, Hiroko Matsumoto, Afrain Boby

Amount: $75,000

2020 – 2023 **Orthopedic Research and Education Foundation**

Title: Casting Vs. Bracing in IEOS Trial (CVBT)

Principal Investigator: Benjamin D. Roye; Co-Investigators: **Michel G. Vitale**, Hiroko Matsumoto, Afrain Boby.

Amount: $7,646

2020 – 2022 **Scoliosis Research Society**

Title: Comparing Outcomes of Anterior Vertebral Body Tethering to Early Primary Fusion and Growth Friendly Instrumentation in Idiopathic Scoliosis

Principal Investigator: Benjamin D. Roye; Co-Investigator: **Michael G. Vitale**, Hiroko Matsumoto, Afrain Boby.

Amount $75,000

2019 – 2020 **Scoliosis Research Society Grant**

Title: *The Effects of the Axial Vertebral Rotation on Curve Progression after Bracing in Adolescent Idiopathic Scoliosis*

Principal Investigator: **Michael Vitale**; Co-Investigators: Lawrence Lenke, Benjamin Roye, Hiroko Matsumoto. Amount: $25,000.00

2019 – 2020 **Scoliosis Research Society Grant**

Title: *Are Outcomes Affected when Sagittal and Coronal Last Touched Vertebra are Discordant and the More Proximal Level is Selected as LIV*

Principal Investigator: Benjamin D. Roye; Co-Investigators: Lawrence Lenke, **Michael Vitale**, Hiroko Matsumoto. Amount: $25,000.00

2018 – 2020 **Pediatric Orthopaedic Society of North America 2018 Arthur Huene Memorial Award Research Grant**

Title: Bracing for AIS: *What Makes the Difference? Examining the Reciprocity of Quality & Duration*

Principal Investigator: Benjamin Roye; Co-Investigators: **Michael Vitale**, Hiroko Matsumoto. Amount: $30,000.00

2018 – 2019 **Scoliosis Research Society Grant**

Title: *Best Practice Guidelines for Non-Operative Care of AIS*

Principal Investigator: **Michael Vitale**; Co-Investigators: Hiroko Matsumoto. Amount: $25,000.00

2018- 2018 **Orthopedic Science Research Foundation Grant**

Title: *A Novel Application to Decrease Overall Complications in Pediatric Spine Surgery*

Principal Investigator: **Michael Vitale**; Co-Investigators: Hiroko Matsumoto, Kevin Wang. Amount: $25,000.00

2017 – 2020 **Children’s Spine Foundation Research Grant**

Title: *MCGR vs. TGR: A retrospective and prospective comparison of outcomes*

Principal Investigator: **Michael Vitale;** Co-Investigators: Hiroko Matsumoto. Amount: $36,155.00

2017 – 2018 **Children’s Spine Foundation Research Grant**

Title: *Development of a Self-Reported Health-Related Quality of Life Questionnaire for Adolescents with EOS*

Principal Investigator: **Michael Vitale**; Co-Investigators: Hiroko Matsumoto. Amount: $15,000.00

2016 – 2017 **Children’s Spine Foundation Research Grant**

Title: *Ellipse MCGR Equipoise Project*

Principal Investigator: **Michael Vitale**; Co-Investigators: Hiroko Matsumoto. Amount: $13,935.00

2016 – 2016 **Orthopedic Science Research Foundation**

Title: *Assessing Health-Related Quality of Life after Orthopaedic Surgery Principal*

Investigator: Joshua Hyman; Co-Investigators: David Roye, **Michael Vitale**, Benjamin Roye, Hiroko Matsumoto. Amount: $19,200.00

2015 – 2016 **American Association of Orthopaedic Surgeons Board of Specialty Societies Fund**

Title: *Development of a Risk Severity Score for the Prediction of Postoperative Complications in EOS Patients Undergoing Spinal Deformity Surgery*

Principal Investigator: **Michael Vitale**. Amount: $31,999.00

2015 – 2016 **North American Spine Foundation Research Grant**

Title: *Financial Burden and Parental Impact in Families Dealing with Early Onset Scoliosis*

Principal Investigator: **Michael Vitale**. Amount: $23,060.00

2014 – 2015 **BroadWater, LLC Research Grant**

2013 – 2014 **Orthopaedic Scientific Research Foundation Research Grant.**

Title: *Can the Technology Administration of Research Instruments Benefit Patients*

Providers, and Research? Principal Investigator: **Michael Vitale**. Amount: $3,600.00

**Chest Wall and Spine Deformity Research Foundation Research Grant**

Title: *Changes in Quality of Life and Parental Burden of EOS Patients Undergoing Various Treatments.* Principal Investigators: David P. Roye, **Michael Vitale**, Benjamin D. Roye, Hiroko Matsumoto. Amount: $17,520.00

**Pediatric Orthopaedic Society of North America 2013 Globus Medical Research Grant**

Title: *Development of a Risk Severity Score for Pediatric Spine Surgical Site Infection.*

Principal Investigator: **Michael Vitale**; Co-Investigators: Michael Glotzbecker, John

Flynn, David Skaggs, Lisa Saiman, Benjamin D. Roye, Joshua E. Hyman, David P. Roye, Jeanne Franzone, Hiroko Matsumoto. Amount: $29,466.00

**Chest Wall and Spine Deformity Research Foundation Research Grant**

Title: *Quality of Life and Pulmonary Function Effects of Growing Instrumentation Surgery for Scoliosis in Spinal Muscular Atrophy Patients.*

Principal Investigation: David P. Roye, Jr; Co-Investigation: **Michael Vitale**, Hiroko

Matsumoto. Amount: $24,792.00

2012 – 2015 **Chest Wall and Spine Deformity Research Foundation**

Title: *Quality of Life and Pulmonary Function Effects of Growing Instrumentation Surgery for Scoliosis in Spinal Muscular Atrophy Patients*. Principal Investigator: David P. Roye, Jr; Co-Investigator: **Michael Vitale**, Hiroko Matsumoto. Amount: $24,792.00

2012 – 2013 **Scoliosis Research Society Grant**

Title: *Spine-Based vs. Rib Based Anchors in Growth Sparing Constructs for Young Children with Scoliosis*

Principal Investigator: **Michael Vitale**; Co-Investigator: David L. Skaggs, Behrooz A. Akabamia, Randal R. Betz, John T. Smith, Paul D. Sonseller. Amount: $50,000.00

**Chest Wall and Spine Deformity Research Foundation Research Grant**

Title: *Can the Early Onset Scoliosis Predict Outcome?*

Principal Investigator: **Michael Vitale**; Co-Investigator: David P. Roye, Hiroko Matsumoto, Benjamin Roye. Amount: $48,000.00

**Scoliosis Research Society, New Investigator Award**

Title: *Validation of a Genetic Test to Predict the Risk of Curve Progression in Adolescent Idiopathic Scoliosis*

Principal Investigator: Michael Vitale; Co-Investigator: David P. Roye, Hiroko

Matsumoto, Benjamin Roye. Amount: $25,000.00

2011 – 2012 **Chest Wall and Spine Deformity Research Foundation Research Grant**

Title: *EOS Classification*

Principal Investigator: **Michael Vitale**; Co-Investigator: David P. Roye, Benjamin Roye, Hiroko Matsumoto. Amount: $49,359.00

**OREF Scientific Forum Grant/Spine Care**

Title: *The Conservative Treatment of AIS Revisited: A Randomized Controlled Trial Planning Meeting*

Principal Investigator: **Michael Vitale**. Amount: $20,000.00

**OREF Scientific Forum Grant/Spine Care**

Title: *An Expert Conference on Pediatric Spine Surgical Site Infection Prevention*

Principal Investigator: **Michael Vitale**; Co-Investigator: David P. Roye, Jr.

Amount: $40,000.00

**Orthopaedic Research and Education Foundation**

Title: *A Clinical Trial Planning Meeting for Early Onset Scoliosis (EOS)*

Principal Investigator: David P. Roye, JR; Co-Investigator: **Michael Vitale.**

Amount: $49,809.00

**The Chest Wall and Spine Deformity Study Group**

Title: *Evaluation the Extent of Equipoise among Treatment Options for Patients with EOS*

Principal Investigator: **Michael Vitale**; Co-Investigator: David P. Roye, Jr, Benjamin

Roye, Hiroko Matsumoto. Amount: $48,155.00

2010 – 2011 **Chest Wall & Spine Deformity Research Foundation Research Grant**

Title: *Options for Patients with EOS*

Principal Investigator: **Michael Vitale**; Co-Investigator: David P. Roye, Jr, Benjamin

Roye, Hiroko Matsumoto. Amount: $48,155.00

2009 – 2010 **Hansjorg Wyss Research Award**

Title: *Psychosocial Effects of Repetitive Surgery on Children and their Caregivers in the Setting of Early Onset Scoliosis*

Principal Investigator: **Michael Vitale;** Co-Investigator: David P. Roye, Jr, Benjamin

Roye, Hiroko Matsumoto. Amount: $42,158.00

2007 – 2009 **The Chest Wall & Spine Deformity Study Group**

Title: *Quality of Life of Children with Thoracic Insufficiency Syndrome*

Principal Investigator: **Michael Vitale**. Amount: $44,500.00

2007 – 2008 **Orthopedic Science Research Foundation Grant**

Title: *Web-based & Computer-Assisted Research Collection and Data Retrieval System*

Principal Investigator: **Michael Vitale**. Amount: $17,390.00

**The Chest Wall & Spine Deformity Study Group**

Title: *An Evaluation of Pulmonary Function, Radiographic Measures and Quality of*

*Life: A Comparison between Expansion Thoracoplasty using the Vertical Expandable Prosthetic Titanium Rib versus Early Fusion*

Principal Investigator: **Michael Vitale**; Co-Investigator: David P. Roye Jr, Hiroko Matsumoto. Amount: $44,400.00

**Scoliosis Research Society New Investigators Grant**

Title: *CT Analysis of Pedicle Screw Placement in Pediatric Patients*

Principal Investigator: **Michael Vitale**. Amount: $21,000.00

2004 – 2006 **AO/Synthes**

Title: *Pulmonary Function, Radiographic Outcomes, and Quality of Life after Early Fusion for Congenital Scoliosis*

Principal Investigator: **Michael Vitale**. Amount: $52,300.00

2002 – 2006 **Irving Scholar Award, Irving Center of Clinical Research**

Title: *Quality of Life, Neurocognitive Function, and Burden of Care of Children with*

*Neuromuscular Disorders; Development of Multi=Disciplinary, Web-Based Registry*

Principle Investigator: **Michael Vitale**. Amount: $150,000.00

2005 – 2006 **Pediatric Orthopaedic Society of North America, Clinical Research Grant**

Title: *Towards a Validation of a Burden of Care Instrument for Children with Cerebral Palsy*

Principal Investigator: **Michael Vitale**. Amount: $10,860.00

2002 – 2004 **AO/Synthes**

Title: *Outcomes of Scoliosis Surgery in the State of California: A Proposal for a 5 Year*

Retrospective Research Initiative

Amount: $18,700 unrestricted research award

2002 **Nova Spinal Instruments**

Amount: $8,000 award to support summer research fellowship20

**Sofamor Medtronic**

Title: Use of Pedicle Screws in Adolescent Idiopathic Scoliosis

Amount: $25,000 Unrestricted research award

2002 – 2003 **Office of Clinical Trials Pilot Award**

Title: *Outpatient therapy with Parenteral Ceftriaxone Compared to inpatient Therapy with Intravenous Cefotazime compared to inpatient therapy with intravenous cefotazime in febrile infants 28-89 days of age with a gram-negative urinary tract infection (UTI): Efficacy. Safety and caretaker preferences and burden*

Principal Investigator: Peter S. Dayan; Co-Investigator: **Michael Vitale**; L Saiman Amount: $50,000.00

2001 – 2004 **Orthopaedic Research and Education Foundation Career Development Grant Sponsored by Bristol-Myers Squibb/Zimmer**

Title: *Towards a Web Based national Pediatric Orthopaedic Trauma Outcomes Registry*

Principal Investigator: **Michael Vitale**. Amount: $50,000.00

2001 – 2002 **Office of Clinical Trials, Columbia Presbyterian Medical Center, Pilot Award**

Title: *Patient-Based Outcomes Following Clubfoot Surgery: A long Term Follow-up*

Principal Investigator: **Michael Vitale;** Co-Investigator: David P. Roye Amount: $41,460.00

2000 **National Orthopaedic Surgery Fellows Foundation (NOSFF) Year 200 Grant Recipient**

Title: *Pediatric Pelvic Fractures: An Exploration of Patient Based Outcomes and Practice Patterns*

Advisor: Dr. David L. Helfet. Amount: $5,000.00

1998 – 2001 **Orthopaedic Research and Education Foundation Grant in Prospective Clinical Studies**

Title: *Determination of the Responsiveness and Validity of Health Status measure and Quality of Life Measures for Children Applied to Trauma], Musculoskeletal Deformity, and Tumors*

Principal Investigator: David P. Roye, Jr; Co-Investigator: **Michael Vitale;** Amount: $150,000.00

1998 **Ortho BioTech Research Award**

Title: *Supporting a Phase I Study of “dose Regimens in Patients with Neurogenic Scoliosis and Development of a statistical model predicting Transfusion Rates in Pediatric Scoliosis*

Principal Investigator: David P. Roye, Jr; Co-Investigator: **Michael Vitale**

1997 **Ortho BioTech Research Award**

Title: *Supporting an investigation of “Use of Preoperative Erythropoietin in Pediatric Patients Undergoing Scoliosis Surgery”*

Principal Investigator: David P. Roye, Jr; Co-Investigator: **Michael Vitale** Amount: $15,000.00

**Ortho BioTech Research Award**

Title: *Supporting an investigation of “A Decision Analytic Model Predicting Cost Effectiveness and Long Term Outcomes of Preoperative Erythropoietin”*

Principal Investigator: David P. Roye, Jr; Co-Investigator: **Michael Vitale** Amount: $15,000.00

1996 **Orthopaedic Research and Education Foundation Grant in Prospective Clinical Studies**

Title: *Surgical Repair of the Torn Rotator Cuff Tendon: An Analysis of Function. Quality of Life, Costs, and Factors that Affect These Analyses*

Principal Investigator: Evan L. Flatow; Co- Investigator: **Michael Vitale**

1. **DEPARTMENT & UNIVERSITY COMMITTEES**

**UNIVERSITY:**

**Columbia University Department of Orthopaedic Surgery**

2005 – 2008 Secretary, New York Orthopaedic Society Alumni Society

2005 – Present Departmental Resident Research Committee

2005 – 2010 Editor & Chief, Newsletter of the Pediatric Orthopaedic Hospital of New York

2001 – Present IRB Committee, Department of Orthopaedic Surgery

2001 – Present Director, Pediatric Orthopaedic Research Group

Managed all aspects of clinical research group including fundraising, directions of three fulltime research assistants, grants and research retreats.

**HOSPITAL:**

**Morgan Stanley Children’s Hospital of New York Presbyterian**

2013 – Present Director, Division of Pediatric Orthopaedics

2009 – 2012 Associate Chief, Division of Pediatric Orthopaedics

2008 – Present Chief, Pediatric Spine and Scoliosis Service. Morgan Stanley Children’s Hospital

2008 – 2009 Department of Pediatrics, Physician Relations Committee

2006 – 2009 Co-Chairman, CHONY National Visibility Committee

2006 – 2008 Co-Chairman, Subgroup on Strategic Growth; CHONY Leadership Retreat

2005 – Present Committee on Children’s Hospital Operating Room

2005 – 2008 Committee on Ambulatory Services

2005 - 2006 Black Belt Driven OR “On Time Start” Project

2004 – 2008 CHONY Leadership Retreat

2004 – 2005 Committee on Standards and Policy

2003 – 2009 Committee on Quality Improvement in Pediatrics

**LOCAL:**

2012 President Pediatric Orthopaedic Society of New York

2006 – 2008 President, Brooklyn Orthopaedic Society

2005- 2006 Vice President, Brooklyn Orthopaedic Society

2004 – 2005 Secretary, Brooklyn Orthopaedic Society

2003 – 2004 Treasurer, Brooklyn Orthopaedic Society

**NATIONAL:**

**SCOLIOSIS RESEARCH SOCIETY (SRS)**

2023 – 2025 Director at Large (Board of Directors)

**INTERNATIONAL PEDIATRIC ORTHOPAEDIC SYMPOSIUM**

2017 – Present Chair Emeritus

2015 – 2016 Chairman

2012 – 2014 Co-Chairman

**PEDIATRIC ORTHOPAEDIC SOCIETY OF NORTH AMERICA**

2022 – 2023 Second Past President

2021 – 2022 Past President

2020 – 2021 President

2018 – 2019 Vice President

2013 – 2017 Senior Advisor, Quality, Safety, Experience & Value Initiative Steering Committee

2012 – Present IPOS Liaison

2008 – 2012 Chairman, Industry Relations Committee

2008 – 2013 Long Term Planning Committee

2008 – Present Fellowship Training/Qualifications for Practice AD HOC Committee

2006 – 2008 Member at Large, Board of Directors

2005 – 2006 Fellowship Training/Qualifications for Practice AD HOC Committee

2004 – 2005 Chairman, Committee on Evidence Based Medicine

2002 – 2005 Committee on Evidence Based Medicine

**AMERICAN ACADEMY OF PEDIATRICS, ORTHOPAEDIC SUBGROUP**

2005 – Present Board of Directors

2005 – 2008 Chairman, Programs Committee

2002 – 2005 Co-Chairman, Programs Committee

**AMERICAN ACADEMY OF ORTHOPAEDIC SURGEONS**

2013 – Present **Surgical Quality Alliance**

2004 – 2005 Committee on Evidence Based Medicine

**CHILDREN’S SPINE STUDY GROUP**

2010 – Present Executive Committee

2005 – 2011 **SPINE DEFORMITY STUDY GROUP**

**SCOLIOSIS RESEARCH SOCIETY**

2013 – Present Chairman, Committee on Spine Safety

2009 – Present Chairman, ADHOC Committee on Pediatric Medical Devices

**CHILDREN’S SPINE FOUNDATION**

2017 – 2021 President

2012 – Present Board of Directors

1. **TEACHING EXPERIENCE AND RESPONSIBILITIES**

**ADVANCED SPINAL DEFORMITY FELLOWSHIP DIRECTOR:**

**CLINICAL FELLOWS:**

2022 – Present Jose Manual Sarmiento, MD **- Current Fellow**

2021 – 2022 Bruno Lazaro, MD

2020 – 2021 Rajiv Iyer, MD

2019 – 2020 Anand Segar, MD

2018 – 2019 Richard Menger, MD

2017 – 2018 Eduardo Beauchamp, MD

2016 – 2017 Brian Kelley, MD

**VICE CHAIR OF QUALITY & STRATEGY; DEPT OF ORTHOPEDIC SURGERY:**

**QUALITY FELLOWS:**

2021 – Present **Chinenye Ezeh**

BS in Global and Public Health Sciences, Cornell University

Master of Public Health in Health Policy and Management, Columbia University

Certificate in Infectious Disease Epidemiology, Columbia University

2021 – 2022 **Erin Butrico**

B.A., Duke University, Durham NC

M.H.A., John Hopkins Bloomberg School of Public Health May 2022

Current Position: Making Care Better Fellow – NewYork-Presbyterian Hospital

2019 – 2021 **Divya Raman**

B.S., University of California, San Diego

M.H.A., Columbia University

Current Position: Operations Associate - Nomad Health

2019 – 2020 **Sushrut Arora**

B.S., State University Of New York at Stony Brook

M.P.H., Yale University

Current Position: Associate Strategist – NewYork Presbyterian

2018 – 2019 **Danielle Wiggins**

B.S., Cornell University

M.H.A., Cornell University Sloan Program

Current Position: Project Manager, Office of the EVP/COO – NewYork Presbyterian

Hospital

2017 – 2018 **Jennifer Ringler**

B.A, University of California, Berkeley  
 M.H.A., Columbia University

Current Position: Senior Project Manager – Memorial Sloan Kettering Cancer Center

2016 – 2017 **Danielle Rossi**

B.S., Rutgers, the State University of New Jersey – New Brunswick

M.H.A., Columbia University

Current Position: Business Administration Manager, Perioperative Services – NewYork Presbyterian Hospital

2015 – 2016 **Navid Dardashti**

B.S., University of Maryland, College Park

M.P.H., Columbia University

Current Position: Senior Research Analyst – Egon Zehnder

2014 -2015 **Kevin Wang**

B.A., Johns Hopkins University

M.H.A., Columbia University

Current Position: Senior Director, Performance Programs – Hospital for Special Surgery

1. **COURSE CHAIRMAN**

2015 – Present Chairman Spine Safety Summit

2012 6th International Congress on Early Onset Scoliosis and Growing Spine, Dublin, Ireland

2009 – 2015 Complications in Deformity Surgery, Stryker Spine

2010 Current Techniques in Spinal Deformity Surgery, Biomet Spine, Aurora, Colorado

2009 Spine Symposium, Pediatric Orthopaedic Society of North America DaVinci Center Medical Training

2009 Spine Symposium, Pediatric Orthopaedic Society of North America, Boston, Massachusetts

2009 Spine Symposium, Pediatric Orthopaedic Society of North America, Albuquerque Convention Center Albuquerque, Arizona

2006 Inaugural Symposium on Thoracic Insufficiency and Expansion Thoracoplasty

2005 Treatment options for Pediatric Spine Deformity, Stryker Spine, Phoenix, Arizona

2005 Pediatric Neuromuscular Problems in Children, 3rd Annual Brooklyn Course Co Instructors: DP Roye, JE Hyman, L Imundo, S Pavlakis, FY Lee, C Scott

2004 Pediatric Neuromuscular Problems in Children, 2nd Annual Brooklyn Course Co Instructors: DP Roye, JE Hyman, D Levy, J Pascual, FY Lee, B Roye

2003 Pediatric Neuromuscular Problems in Children, 1st Annual Brooklyn Course Co Instructors: DP Roye, JE Hyman, L Imundo, M Patterson, FY Lee, A Strongwater

1. **VISITING PROFESSORSHIPS**

2022 Visiting Professor, Department of Orthopedics - National University of Singapore – Shangri-La Singapore

2019 Visiting Professor, Department of Orthopedics- Texas Children’s Hospital - Houston, Texas

2018 Visiting Professor, Department of Orthopedics- Emory University Atlanta, Georgia

Shrine Memorial Lecture Program, Department of Orthopedics, University of Iowa, Iowa City, Iowa

2016 Neurosciences Institute Visiting Professorship – Virginia Mason Medical Center Seattle, Washington

Children’s Hospital Los Angeles; John C. Wilson Visiting Professor, Los Angeles, California

2015 Hospital for Joint Diseases Visiting Professor New York, New York

Hospital for Special Surgeries Visiting Professor, New York, New York

University of Pittsburgh School of Medicine Visiting Professor, Pittsburgh, Pennsylvania

2014 Ann & Robert H. Lurie Children’s Hospital Visiting Professor, Chicago, Illinois

Shriner’s Hospital Visiting Professor, Philadelphia, Pennsylvania

2013 Ann & Robert H. Lurie Children’s Hospital Visiting Professor Chicago, Illinois

Northwestern University Visiting Professor, Chicago, Illinois

2011 St. Luke’s Hospital, New York, New York

2010 Children’s Hospital of Denver Visiting Professor, Denver, Colorado

2009 & 2011 Children’s Hospital of Boston Visiting Professor, Boston, Massachusetts

2008 Cincinnati Children’s Hospital Visiting Professor, Cincinnati, Ohio

Arnold Palmer Visiting Professor, Orlando, Florida

15th Annual John Roberts, Shriner’s Hospital Visiting Professor, Boston, Massachusetts

1. **COURSE INSTRUCTOR**

2012 – Present International Pediatric Orthopaedic Society, Orlando Florida

2011 Instructional Course Lecture

*Congenital and Early Onset Spinal Deformity*

American Academy of Orthopaedic Surgeons

San Diego, California

2011 Instructional Course Lecture

*Complications in Spine Surgery*

American Academy of Orthopaedic Surgeons

San Diego, California

POSNA Tutorial

*Early Onset Scoliosis: Options and Techniques*

Pediatric Orthopaedic Society of North America

New York, New York

2010 Instructional Course Lecture

*Congenital and Early Onset Spinal Deformity*

American Academy of Orthopaedic Surgeons

New Orleans, LA

2010 *Early Onset Scoliosis: Options and Techniques*

Pediatric Orthopaedic Society or North America

New York, New York

2010 *Correcting Complex Spinal Deformities: Direct Vertebral Body Rotation Utilizing the SUK DVR System*

10th Annual Advanced Technologies in Spinal Treatment

Tokyo, Japan

2009 International Pediatric Orthopaedic Society

Orlando, Florida

2009 International Congress on Early Onset scoliosis and Growing - Spine

Istanbul, Turkey

2009 Annual Spine Surgical Techniques and Technology Forum

Boston, Massachusetts

2009 *Growth Strategies for Early Onset Scoliosis: State of the Art*

Early Onset Scoliosis and Growing Spine

Istanbul, Turkey

2009 Pediatric Clinical Trials Workshop

Baltimore, Maryland

2008 International Pediatric Orthopaedic Society

2007 International Pediatric Orthopaedic Society

2007 Pediatric Spinal Deformity

2007 Medtronic Sofamor Danek Spine Course

Phoenix, Arizona

2006 *Pediatric Spinal Deformity*

14th Annual International Pediatric Orthopaedic Society Review Course

Orlando, Florida

2006 *The Limping Child*

2006 American Academy of Pediatrics

2005 *State of the Art Surgical Management*

2nd Annual operative management of Pediatric Fractures

Hospital for Special Surgery

New York, New York

2005 *Pedicle Screws: State of the Art*

Stryker Spine Course

Phoenix, Arizona

2005 *Operative and Nonoperative Treatment Options for Children with Spasticity*

Sponsored by YAI

2005 Pedicle Screws: State of the Art

Stryker Spine Course

Phoenix, Arizona

2005 Bowlegs and Knock Knees

American Academy of Pediatrics

2004 *Pearls and Pitfalls in Diagnosis of Pediatric Orthopaedic Conditions*

American Academy of Pediatrics

2003 *The Office Pediatric Orthopaedic Examination*

American Academy of Pediatrics

2003 Doctorate in Physical Therapy Program

Columbia University

**MODERATOR OR SYMPOSIA CHAIR:**

2009 *Moderator, Early Onset/Exotic Scoliosis*

International Pediatric Orthopaedic Society Orland, Florida

2009 *Moderator, 3D Correction with Polaris Spine Deformity System*

International Pediatric Orthopaedic Society

Orlando, Florida

2009 *Moderator, VEPTR II for TIS/EOS*

International Pediatric Orthopaedic Society

Orlando, Florida

2009 *Moderator, Spine Surgery Complications Prevention and Management*

International Pediatric Orthopaedic Society

Orlando, Florida

2009 *Moderator, What is considered a Successful endpoint for EOS Treatment*

International Congress on Early Onset Scoliosis and Growing Spine

Istanbul, Turkey

2004 *Symposium on Complex Congenital Spine Deformity*

2003 *Neuromuscular and Metabolic Disease Section*

America Academy of Pediatrics, Section on Orthopaedic Surgery

2003 *Back Pain Management and Assessment Section*

World Spine II

1. **OTHER PROFESSIONAL ACTIVITIES**

**CONSULTATIVE: FEDERAL**

* Co-Investigator to Government Award: 5 U03 MC00007-04-00

“Emergency Medical Service for Children Network Development Demonstration Project (EMSCNDDP)” Funded by Health Resources Service Administration/Maternal child health Bureau (HRSA/MCHB)

Principal Investigator: Peter Dayan, MD

* Consultant to Government Award: 1 U03 MC00007-01-01

“Emergency medical Services for Children Network Development Demonstration Project-Pediatric

Emergency Department North East Team (PEDNET)”

Budget Period: 10/1/07-7/30/02, $988,296

Principal Investigator: Nadine Levick, MD

* Board of Advisors, National Trauma Registry for Children. Grant number 1H&@ MC 00004

01 and 1H72 MC 00002 01 from the Health Resources Service Administration/Maternal Child Health Bureau (HRSA/MCHB) Emergency medical Services for Children Program

“To Promote the Design and Development of a National Trauma Registry for Children”

Principal Investigator: Karen Guice, MD MPP

* Consultant to Association of Pediatric Surgical Association Government Award Grant #H03MC0006 Department of Health and Human Services Maternal and Child Health Bureau

“Partnership for Development and Dissemination of Outcome Measures for Children”

Principal Investigator: Keith Oldham, MD

* American Academy of Orthopaedic Surgery: Invited to Serve as Consultant to *“Summit on the Future of Guidelines”* Chicago, IL. June 2005
* Kenneth Krieger Institute; Osteogenesis Imperfecta Foundation. *‘Outcomes of Children with Osteogenesis Imperfecta”,* March 2004

**OTHER CONSULTANT ACTIVITIES:**

* Consultant to Multidisciplinary Panel Coordinated by the Orthopaedic Nursing Association to Develop an Evidence Based Approach to Spine Site Care after External Fixation. Consensus Statement Published in Orthopaedic Nursing. March/April 2005
* Consultant to Institute of Medicine: Committee on Post Market Surveillance of Pediatric Medical Devices; 8/31/2005
* Medical Director, Objective Health 2000-2001
* Consultation to an eHealth business whose goal is to improve online communication between patients and physicians. Responsibilities include guiding the development of web-based platform to facilitate the collection of patient-outcomes research data. 1999-Present
* Medical Writer CBS Healthwatch, Articles *“published”* online at *CBS.Healthwatch.com*. As a freelance writer, I was responsible for providing medical content on a variety of subjects. (1998-200)
* American pediatric Surgical Association: Assessment of Outcomes in Pediatric Surgery: Deficiencies in the Literature and Needs for the Future, AC Gelijns, MG Vitale, RP Altman. Invited Lecture.
* Presented at the Association of Pediatric Surgical Association Annual Board of Governors Meeting, 1996
* Consultant to Clinical Advisors LLC. Consultant Group that Specializes in Providing Biomedical Consultative Advice to Industry.2006

1. **ADDITIONAL CLINICAL/EDUCATIONAL TRAINING:**

2009 Training, American Orthopaedic Association Kellogg Leadership Series- Module 6

Evanston, Illinois

*Be Equipped to Better Compete in the Marketplace*

2006Training, American Orthopaedic Association Kellogg Leadership Series- Module 2

Evanston, Illinois

*Developing Personal Leadership Skills and Competencies*

2006Group Leader: *“Strategic Growth”*

7th Annual Morgan Stanley Children’s Hospital Leadership Retreat

2006 New York Presbyterian Physician Leadership Development Program

2005 Training, American Orthopaedic Association Kellogg Leadership Series- Module 1

Evanston, Illinois

Using Research to Advance Organizational Success

2002 American Academy of Orthopaedic Surgeons Leadership Fellows Program Award

*National Fellowship Program Designed to Select and Train those with Leadership Potential within the field of Orthopaedic Surgery*

**EDITORIAL:**

* Journal of Bone and Joint Surgery
* Journal of Children’s Orthopaedics

International Editorial Board, 2012-2015

* Pediatrics o American Family Physician
* Journal of Pediatric Orthopaedics
* Lancet

**INTERNATIONAL EXPERIENCES:**

2017 **Mexico City**

Club de Industriales, Alchemia

2011 & 2012 **Haiti**

2013, 2015 & 2016 **Adventist Health International**

Loma Linda University/ Global Health Institute

2010 **Haiti**

Adventist Health International

Loma Linda University/Global Health Institute

2010 **Perú**

Health Volunteers Overseas

V Congreso Internacional Del Hogar Clinica San Juan De Dios

2004 **Honduras**

American Honduras Society

1. **PATENT**
   1. Bone Anchorage System **Application:** Vertebral Anchor System, LLC **Application No:** 16862155 **Patent No:** US11457966B2 **Date of Patent:** Oct. 4th, 2022
2. **PUBLICATIONS**
   1. **ORIGINAL, PEER REVIEWED ARTICLES:**
3. Matsumoto H, Larson EL, Warren SI, et al. A Clinical Risk Model for Surgical Site Infection Following Pediatric Spine Deformity Surgery. J Bone Joint Surg Am. 2022;104(4):364-375. doi:10.2106/JBJS.21.00751
4. Raman DL, Bixby EC, Wang K, et al. A Comprehensive Unit-based Safety Program to Improve Perioperative Efficiency in Adolescent Idiopathic Scoliosis. J Pediatr Orthop. 2022;42(3):123-130. doi:10.1097/BPO.0000000000001992
5. Matsumoto H, Franzone JM, Sinha R, et al. A novel risk calculator predicting surgical site infection after spinal surgery in patients with cerebral palsy. Dev Med Child Neurol. 2022;64(8):1034-1043. doi:10.1111/dmcn.15193
6. Ottaviano M, Giunta EF, Marandino L, et al. Anorectal and Genital Mucosal Melanoma: Diagnostic Challenges, Current Knowledge and Therapeutic Opportunities of Rare Melanomas. Biomedicines. 2022;10(1). doi:10.3390/biomedicines10010150
7. Viraraghavan G, Cahill PJ, **Vitale MG**, Williams BA, Balasubramanian S. Automated Clustering Technique (ACT) for Early Onset Scoliosis: A preliminary report. Spine Deform. Published online January 26, 2023. doi:10.1007/s43390-022-00634-1
8. Hariharan AR, Shah SA, Petfield J, et al. Complications following surgical treatment of adolescent idiopathic scoliosis: a 10-year prospective follow-up study. Spine Deform. 2022;10(5):1097-1105. doi:10.1007/s43390-022-00508-6
9. Mallardo D, Simeone E, Vanella V, et al. Concomitant medication of cetirizine in advanced melanoma could enhance anti-PD-1 efficacy by promoting M1 macrophages polarization. J Transl Med. 2022;20(1):436. doi:10.1186/s12967-022-03643-w
10. Matsumoto H, Sinha R, Roye BD, et al. Contraindications to magnetically controlled growing rods: consensus among experts in treating early onset scoliosis. Spine Deform. 2022;10(6):1289-1297. doi:10.1007/s43390-022-00543-3
11. Negrini S, Aulisa AG, Cerny P, et al. Correction to: The classification of scoliosis braces developed by SOSORT with SRS, ISPO, and POSNA and approved by ESPRM. Eur Spine J. 2022;31(9):2456-2457. doi:10.1007/s00586-022-07273-0
12. Matsumoto H, Fano AN, Quan T, et al. Correction: Re-evaluating consensus and uncertainty among treatment options for early onset scoliosis: a 10-year update. Spine Deform. 2023;11(1):263. doi:10.1007/s43390-022-00596-4
13. Esfandiari M, Babaee T, Kamyab M, et al. Cross-Cultural Adaptation and Validation of the Persian Version of the 24-Item Early-Onset Scoliosis Questionnaire. Asian Spine J. 2022;16(1):56-65. doi:10.31616/asj.2020.0483
14. Quan T, Matsumoto H, Bonsignore-Opp L, et al. Definition of Tweener: Consensus Among Experts in Treating Early-onset Scoliosis. J Pediatr Orthop. 2023;43(3):e215-e222. doi:10.1097/BPO.0000000000002321
15. Levine SB, Fields MW, Boby AZ, Matsumoto H, Skaggs KF, Roye BD, **Vitale MG**. Degree of Postoperative Curve Correction Decreases Risks of Postoperative Pneumonia in Patients Undergoing Both Fusion and Growth-friendly Surgical Treatment of Neuromuscular Scoliosis. J Pediatr Orthop. 2022 Aug 1;42(7):372-375. doi: 10.1097/BPO.0000000000002155. Epub 2022 Jun 17. PMID: 35709684.
16. Gomez JA, Ge DH, Boden E, Hanstein R, Alvandi LM, Lo Y, Hwang S, Samdani AF, Sponseller PD, Garg S, Skaggs DL, **Vitale MG**, Emans J; Pediatric Spine Study Group. Posterior-only Resection of Single Hemivertebrae With 2-Level Versus >2-Level Fusion: Can We Improve Outcomes? J Pediatr Orthop. 2022 Aug 1;42(7):354-360. doi: 10.1097/BPO.0000000000002165. Epub 2022 May 3. PMID: 35499167.
17. Luzzi A, Sardar Z, Cerpa M, Ferrer X, Coury J, Crockatt W, Ha A, Roye B, Vitale M, Lenke L; Harms Study Group. Risk of distal junctional kyphosis in scheuermann's kyphosis is decreased by selecting the LIV as two vertebrae distal to the first lordotic disc. Spine Deform. 2022 Jul 15. doi: 10.1007/s43390-022-00542-4. Epub ahead of print. PMID: 35840788.
18. Kunes J, Quan T, Iyer R, Fano AN, Matsumoto H, Erickson M, McCarthy R, Brockmeyer D, Anderson RCE, **Vitale MG**; Pediatric Spine Study Group. Reduced complication rate with simultaneous detethering and spinal deformity correction surgery compared to staged surgeries in patients with early onset scoliosis. Spine Deform. 2022 Jul 12. doi: 10.1007/s43390-022-00550-4. Epub ahead of print. PMID: 35821353.
19. Matsumoto H, Sinha R, Roye BD, Ball JR, Skaggs KF, Brooks JT, Welborn MC, Emans JB, Anari JB, Johnston CE, Akbarnia BA, **Vitale MG**, Murphy RF; Pediatric Spine Study Group. Contraindications to magnetically controlled growing rods: consensus among experts in treating early onset scoliosis. Spine Deform. 2022 Jul 3. doi: 10.1007/s43390-022-00543-3. Epub ahead of print. PMID: 35780448.
20. Shaw KA, Welborn MC, Matsumoto H, Parent S, Sachwani N, El-Hawary R, Skaggs D, Newton PO, Blakemore L, Vitale M, Samdani A, Murphy JS; Pediatric Spine Study Group. To tether or fuse? Significant equipoise remains in treatment recommendations for idiopathic scoliosis. Spine Deform. 2022 Jul;10(4):763-773. doi: 10.1007/s43390-022-00497-6. Epub 2022 Mar 22. PMID: 35316524.
21. Lenke LG, Fano AN, Iyer RR, Matsumoto H, Sucato DJ, Samdani AF, Smith JS, Gupta MC, Kelly MP, Kim HJ, Sciubba DM, Cho SK, Polly DW, Boachie-Adjei O, Lewis SJ, Angevine PD, **Vitale MG**. Development of consensus-based best practice guidelines for response to intraoperative neuromonitoring events in high-risk spinal deformity surgery. Spine Deform. 2022 Jul;10(4):745-761. doi: 10.1007/s43390-022-00485-w. Epub 2022 Mar 15. PMID: 35290626.
22. Iyer RR, **Vitale MG**, Fano AN, Matsumoto H, Sucato DJ, Samdani AF, Smith JS, Gupta MC, Kelly MP, Kim HJ, Sciubba DM, Cho SK, Polly DW, Boachie-Adjei O, Angevine PD, Lewis SJ, Lenke LG. Establishing consensus: determinants of high-risk and preventative strategies for neurological events in complex spinal deformity surgery. Spine Deform. 2022 Jul;10(4):733-744. doi: 10.1007/s43390-022-00482-z. Epub 2022 Feb 23. PMID: 35199320.
23. Matsumoto H, Boby AZ, Sinha R, Campbell ML, Hung CW, Gbolo FC, Marciano GF, Levine S, Fano AN, Simhon ME, Quan T, Bainton NM, George A, Mizerik AS, Roye BD, Roye DP, **Vitale MG**. Development and Validation of a Health-Related Quality-of-Life Measure in Older Children and Adolescents with Early-Onset Scoliosis: Early-Onset Scoliosis Self-Report Questionnaire (EOSQ-SELF). J Bone Joint Surg Am. 2022 Jun 20. doi: 10.2106/JBJS.21.01508. Epub ahead of print. PMID: 35726883.
24. Negrini S, Aulisa AG, Cerny P, de Mauroy JC, McAviney J, Mills A, Donzelli S, Grivas TB, Hresko MT, Kotwicki T, Labelle H, Marcotte L, Matthews M, O'Brien J, Parent EC, Price N, Manuel R, Stikeleather L, **Vitale MG**, Wong MS, Wood G, Wynne J, Zaina F, Bruno MB, Würsching SB, Yilgor C, Cahill P, Dema E, Knott P, Lebel A, Lein G, Newton PO, Smith BG. Correction to: The classification of scoliosis braces developed by SOSORT with SRS, ISPO, and POSNA and approved by ESPRM. Eur Spine J. 2022 Jun 13. doi: 10.1007/s00586-022-07273-0. Epub ahead of print. Erratum for: Eur Spine J. 2022 Apr;31(4):980-989. PMID: 35697860.
25. **Vitale MG**, Raman DL. Safety Does Not Happen by Accident: Preventing Human Error Through High-Reliability Practices. J Pediatr Orthop. 2022 May-Jun 01;42(Suppl 1):S35-S38. doi: 10.1097/BPO.0000000000002067. PMID: 35405700.
26. Lee NJ, Fields M, Boddapati V, Mathew J, Hong D, Sardar ZM, Selber PR, Roye B, **Vitale MG**, Lenke LG. Spinal Deformity Surgery in Pediatric Patients With Cerebral Palsy: A National-Level Analysis of Inpatient and Post discharge Outcomes. Global Spine J. 2022 May;12(4):610-619. doi: 10.1177/2192568220960075. Epub 2020 Sep 23. PMID: 32964747; PMCID: PMC9109575.
27. Roye BD, Matsumoto H, Fano AN, Marciano GF, Iyer RR, Boby A, Bainton N, Lenke LG, Newton PO, **Vitale MG**. Distal adding-on in adolescent idiopathic scoliosis results in diminished health-related quality of life at 10 years following posterior spinal fusion. Spine Deform. 2022 May;10(3):515-526. doi: 10.1007/s43390-021-00432-1. Epub 2021 Nov 25. PMID: 34822135.
28. Negrini S, Aulisa AG, Cerny P, de Mauroy JC, McAviney J, Mills A, Donzelli S, Grivas TB, Hresko MT, Kotwicki T, Labelle H, Marcotte L, Matthews M, O'Brien J, Parent EC, Price N, Manuel R, Stikeleather L, **Vitale MG**, Wong MS, Wood G, Wynne J, Zaina F, Bruno MB, Würsching SB, Yilgor C, Cahill P, Dema E, Knott P, Lebel A, Lein G, Newton PO, Smith BG. The classification of scoliosis braces developed by SOSORT with SRS, ISPO, and POSNA and approved by ESPRM. Eur Spine J. 2022 Apr;31(4):980-989. doi: 10.1007/s00586-022-07131-z. Epub 2022 Feb 21. Erratum in: Eur Spine J. 2022 Jun 13;: PMID: 35190896.
29. Matsumoto H, Fano AN, Ball J, Roye BD, George A, Garg S, Erickson M, Samdani A, Skaggs D, Roye DP, **Vitale MG**; Pediatric Spine Study Group. Uncorrected Pelvic Obliquity Is Associated With Worse Health-related Quality of Life (HRQoL) in Children and Their Caregivers at the End of Surgical Treatment for Early Onset Scoliosis (EOS). J Pediatr Orthop. 2022 Apr 1;42(4):e390-e396. doi: 10.1097/BPO.0000000000002096. PMID: 35142714.
30. Segal DN, Ball J, Fletcher ND, Yoon E, Bastrom T, Vitale MG; Harms Study Group. Risk factors for the development of DJK in AIS patients undergoing posterior spinal instrumentation and fusion. Spine Deform. 2022 Mar;10(2):377-385. doi: 10.1007/s43390-021-00413-4. Epub 2021 Sep 16. PMID: 34529249.
31. Coury JR, Skaggs KF, Marciano GF, Pinyavat T, Naseef M, Roye BD, **Vitale MG**. Intraoperative Anaphylaxis to the Bovine Flowable Gelatin Matrix: A Report of 2 Cases. JBJS Case Connect. 2022 Mar 3;12(1). doi: 10.2106/JBJS.CC.21.00753. PMID: 35239550.
32. Raman DL, Bixby EC, Wang K, Rossi D, Ringler J, Wiggins DA, Arora S, Delfin J, Guida S, McLeod L, **Vitale MG**. A Comprehensive Unit-based Safety Program to Improve Perioperative Efficiency in Adolescent Idiopathic Scoliosis. J Pediatr Orthop. 2022 Mar 1;42(3):123-130. doi: 10.1097/BPO.0000000000001992. PMID: 34759187; PMCID: PMC8828665.
33. Matsumoto H, Fano AN, Herman ET, Snyder B, Roye BD, Cahill P, Ramo B, Sponseller P, **Vitale MG**; Pediatric Spine Study Group. Mortality in Neuromuscular Early Onset Scoliosis Following Spinal Deformity Surgery. J Pediatr Orthop. 2022 Mar 1;42(3):e234-e241. doi: 10.1097/BPO.0000000000002036. PMID: 34939971.
34. Matsumoto H, Franzone JM, Sinha R, Roye BD, Glotzbeker MP, Skaggs DL, Flynn JM, Lenke LG, Sponseller PD, **Vitale MG**. A novel risk calculator predicting surgical site infection after spinal surgery in patients with cerebral palsy. Dev Med Child Neurol. 2022 Feb 28. doi: 10.1111/dmcn.15193. Epub ahead of print. PMID: 35229288.
35. Matsumoto H, Larson EL, Warren SI, Hammoor BT, Bonsignore-Opp L, Troy MJ, Barrett KK, Striano BM, Li G, Terry MB, Roye BD, Lenke LG, Skaggs DL, Glotzbecker MP, Flynn JM, Roye DP, **Vitale MG**. A Clinical Risk Model for Surgical Site Infection Following Pediatric Spine Deformity Surgery. J Bone Joint Surg Am. 2022 Feb 16;104(4):364-375. doi: 10.2106/JBJS.21.00751. PMID: 34851324.
36. Esfandiari M, Babaee T, Kamyab M, Kamali M, Matsumoto H, Ghandhari H, **Vitale MG**. Cross-Cultural Adaptation and Validation of the Persian Version of the 24-Item Early-Onset Scoliosis Questionnaire. Asian Spine J. 2022 Feb;16(1):56-65. doi: 10.31616/asj.2020.0483. Epub 2021 May 4. PMID: 33934585.
37. Mackey C, Hanstein R, Lo Y, Vaughan M, St Hilaire T, Luhmann SJ, **Vitale MG**, Glotzbecker MP, Samdani A, Parent S, Gomez JA; Pediatric Spine Study Group. Magnetically Controlled Growing Rods (MCGR) Versus Single Posterior Spinal Fusion (PSF) Versus Vertebral Body Tether (VBT) in Older Early Onset Scoliosis (EOS) Patients: How Do Early Outcomes Compare? Spine (Phila Pa 1976). 2022 Feb 15;47(4):295-302. doi: 10.1097/BRS.0000000000004245. PMID: 34610613.
38. Heffernan MJ, Younis M, Glotzbecker MP, Garg S, Leonardi C, Poon SC, Brooks JT, Sturm PF, Sponseller PD, **Vitale MG**, Emans JB, Roye BD; Pediatric Spine Study Group (PSSG). The Effect of Surgeon Experience on Outcomes Following Growth Friendly Instrumentation for Early Onset Scoliosis. J Pediatr Orthop. 2022 Feb 1;42(2):e132-e137. doi: 10.1097/BPO.0000000000002000. PMID: 34759190.
39. Levine SB, Hammoor BT, Morris A, Arora S, Boby AZ, Matsumoto H, Fields MW, Fano AN, Oetgen M, St. Hilaire T, **Vitale MG**, Skaggs D, Pediatric Spine Study Group. Looking Under the Hood: Factors that Drive Successful Study Group Participation and Publications in Pediatric Spine Programs. JPOSNA. 2022 Feb 1. DOI: 10.55275/JPOSNA-2022-0009
40. **Vitale MG**, Roye B, Bloom Z, Kunes JA, Matsumoto H, Roye D, Farrington D, Jack Flynn J, Halanski M, Hasler C, Miladi L, Quijano-Roy S, Reilly C, Sponseller P, Yazici M, Snyder B. Best Practices for the Orthopaedic Care of Children with Spinal Muscular Atrophy: A Consensus Statement from the European Neuromuscular Centre Standard of Care Orthopaedic Working Group. JPOSNA. 2022 Feb 1. DOI: 10.55275/JPOSNA-2022-0006
41. Roye BD, Fano AN, Matsumoto H, Fields MW, Emans JB, Sponseller P, Smith JT, Thompson GH, White KK, **Vitale MG**; Pediatric Spine Study Group. The Impact of Unplanned Return to the Operating Room on Health-related Quality of Life at the End of Growth-friendly Surgical Treatment for Early-onset Scoliosis. J Pediatr Orthop. 2022 Jan 1;42(1):17-22. doi: 10.1097/BPO.0000000000002006. PMID: 34739432.
42. Miyanji F, Fields MW, Murphy J, Matsumoto H, Fano AN, Roye BD, Skaggs D, El Hawary R, **Vitale MG**, Parent S; Pediatric Spine Study Group (PSSG). Shoulder balance in patients with Lenke type 1 and 2 idiopathic scoliosis appears satisfactory at 2 years following anterior vertebral body tethering of the spine. Spine Deform. 2021 Nov;9(6):1591-1599. doi: 10.1007/s43390-021-00374-8. Epub 2021 Jun 16. PMID: 34133015.
43. Compton E, Gupta P, Gomez JA, Illingworth KD, Skaggs DL, Sponseller PD, Samdani AF, Hwang SW, Oetgen ME, Schottler J, Thompson GH, **Vitale MG**, Smith JT; Pediatric Spine Study Group, Andras LM. How low can you go? Implant density in posterior spinal fusion converted from growing constructs for early onset scoliosis. Spine Deform. 2021 Sep;9(5):1479-1488. doi: 10.1007/s43390-021-00321-7. Epub 2021 Jul 6. PMID: 34228310.
44. Bixby EC, Skaggs K, Marciano GF, Simhon ME, Menger RP, Anderson RCE, **Vitale MG**. Resection of congenital hemivertebra in pediatric scoliosis: the experience of a two-specialty surgical team. J Neurosurg Pediatr. 2021 Jul 2:1-10. doi: 10.3171/2020.12.PEDS20783. Epub ahead of print. PMID: 34214975.
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17. Chen V, Skaggs D, Compton E, Illingworth K, Smith J, Sanchez Perez-Grueso FJ, Luhmann S, **Vitale M**, Erickson M, Pediatric Spine Study Group, Andras L. Do rib or spinal proximal anchors in growing rod constructs yield more length gain over time? 40th European Paediatric Orthopaedic Society (EPOS). Copenhagen, Denmark. April 6-9, 2022. [Oral Presentation]
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19. Kunes JA, Raman DL, Matsumoto H, Boby AZ, Garg S, Pahys JM, Roye BD, **Vitale MG**, Pediatric Spine Study Group (PSSG). Impact of the COVID-19 Pandemic on Health-related Quality of Life in Children with Early Onset Scoliosis. 15th International Congress on Early Onset Scoliosis (ICEOS). Salt Lake City, UT. November 11-12, 2021. [ePoster]
20. Roye BD, Fano AN, Matsumoto H, Quan T, Garg S, Heffernan MJ, Sturm PF, Glotzbecker M, Anari JB, Fletcher N, Nelson SE, Ramirez N, Larson AN, Poon S, McIntosh AL, **Vitale MG**, Pediatric Spine Study Group (PSSG). Modified Clavien-Dindo-Sink System is Reliable for Classifying Complications Following Surgical Treatment of Early Onset Scoliosis. 15th International Congress on Early Onset Scoliosis (ICEOS). Salt Lake City, UT. November 11-12, 2021. [ePoster]
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22. Matsumoto H, Fano AN, Herman ET, Snyder B, Roye BD, Cahill P, Ramo B, Sponseller PD, **Vitale MG**, Pediatric Spine Study Group (PSSG). Mortality in Neuromuscular EOS Following Spinal Deformity Surgery. 15th International Congress on Early Onset Scoliosis. Salt Lake City, UT. November 11-12, 2021. [Podium Presentation]
23. Iyer RR, Fano AN, Matsumoto H, Sinha R, Roye BD, **Vitale MG**, Anderson R. Younger Age at Spinal Cord Detethering is Potentially Associated with a Reduced Risk of Curve Progression in Children With EOS. 15th International Congress on Early Onset Scoliosis (ICEOS). Salt Lake City, UT. November 11-12, 2021. [Podium Presentation]
24. Matsumoto H, Bonsignore-Opp L, Hammoor B, Troy MJ, Barrett KK, Roye BD, Lenke LG, Skaggs DL, Glotzbecker M, Flynn J, St. Hilaire T, Roye DP, **Vitale MG**. Not All About Patients: Preventative Strategies Reduce the Risk of Surgical Site Infection (SSI) in Pediatric Spine Surgery.15th International Congress on Early Onset Scoliosis (ICEOS). Salt Lake City, UT. November 11-12, 2021. [Podium Presentation]
25. Fano AN, Matsumoto H, Roye BD, Lenke LG, Herman ET, Boby AZ, Luzzi A, Newton PO, Lonner B, **Vitale MG**, Harms Study Group. Upper Instrumented Vertebra (UIV) Selection Matters: Increased Risk of Proximal Junctional Kyphosis When UIV Is Closer to the Apex in Scheuermann’s Kyphosis. Scoliosis Research Society (SRS) 56th Annual Meeting. St. Louis Missouri. September 22-25, 2021. [Podium Presentation]
26. Herman ET, Matsumoto H, Fano AN, Roye BD, Newton PO, Fields MW, Boby AZ, Lenke LG, Lonner BS, **Vitale MG**, Harms Study Group. A Normal PI-LL Relationship Is Associated with Pain Improvement Following Posterior Spinal Fusion for Scheuermann’s Kyphosis. Scoliosis Research Society (SRS) 56th Annual Meeting. St. Louis Missouri. September 22-25, 2021. [Podium Presentation]
27. Roye BD, Matsumoto H, Fano AN, Marciano GF, Iyer RR, Boby A, Lenke LG, Newton PO, **Vitale MG**, Harms Study Group. Distal Adding-on in AIS Results in Diminished Patient Reported Outcomes at 10 Years. Scoliosis Research Society (SRS) 56th Annual Meeting. St. Louis Missouri. September 22-25, 2021. [Podium Presentation]
28. Segal D, Ball J, Yoon E, Bastrom TP, **Vitale MG**, Harms Study Group. Fletcher ND. Lowest Instrumented Vertebral Discordance in Adolescent Idiopathic Scoliosis: When Coronal and Sagittal Parameters Conflict. Scoliosis Research Society (SRS) 56th Annual Meeting. St. Louis Missouri. September 22-25, 2021. [Podium Presentation]
29. Zapata K, Dieckmann RJ, Glassman SD, Hresko MT, Smith BG, Sponseller PD, **Vitale MG**, Sucato DJ. A Randomized Control Trial of Schroth-Based Therapy Fails to Demonstrate a Positive Influence on Curve Progression in Skeletally Immature AIS. Scoliosis Research Society (SRS) 56th Annual Meeting. St. Louis Missouri. September 22-25, 2021[Podium Presentation]
30. Ahmady A, Parker B, Gagnier J, Brooks JT, Cahill PJ, Fitzgerald R, Flynn JM, Sturm PF, **Vitale MG**, Li GY, Pediatric Spine Study Group. Scoliosis Research Society (SRS) 56th Annual Meeting. St. Louis Missouri. September 22- 25, 2021 [Podium Presentation]
31. Compton E, Andras LM, Siddiqui A, Nazareth A, Illingworth KD, Gupta P, **Vitale MG**, Smith JT, Pediatric Spine Study Group. Skaggs DL. 18% of Patients with MCGR Experience Minimal Lengthening Episodes and the Majority Successfully Lengthen on Subsequent Attempts. Scoliosis Research Society (SRS) 56th Annual Meeting. St. Louis Missouri. September 22-25, 2021. [ePoster]
32. Levine SB, Hammoor BT, Morris A, Arora S, Boby AZ, Matsumoto H, Fields MW, Oetgen M, St. Hilaire T, Ramo B, Brockmeyer D, Anderson R, Smith J, **Vitale MG**, Skaggs D, Pediatric Spine Study Group. Looking Under the Hood: Factors that Drive Successful Study Group Participation and Publications in Pediatric Spine Programs. Pediatric Orthopaedic Society of North America (POSNA) 2021. Dallas, TX. May 12-15, 2021. [Podium Presentation]
33. Compton E, Gupta P, Gomez J, Illingworth K, Skaggs D, Sponseller P, Samdani A, Hwang S, Oetgen M, Schottler J, Thompson G, **Vitale MG**, Smith J, Andras L, Pediatric Spine Study Group. How low can you go? Evaluation of Implant Density in Growing Construct Conversion to Posterior Spinal Fusion for Early Onset Scoliosis. Pediatric Orthopaedic Society of North America (POSNA) 2021. Dallas, TX. May 12-15, 2021. [Podium Presentation]
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35. Mackey C, Hanstein R, Vaughan M, St Hilaire T, Luhmann S, **Vitale MG**, Glotzbecker M, Samdani A, Parent S, Gomez J. Early Outcomes of Magnetically Controlled Growing Rods (MCGRs), Posterior Final Fusion (PSF) and Vertebral Body Tethers (VBT) in Older Patients with Early Onset Scoliosis (EOS). Pediatric Orthopaedic Society of North America (POSNA) 2021. Dallas, TX. May 12-15, 2021. [Podium Presentation]
36. Abdullah A, Parent S, Miyanji F, Smit K, Murphy J, Skaggs D, Gupta P, **Vitale MG**, Saran N, Cho R, El-Hawary R. Risk of Early Complication Following Anterior Vertebral Body Tethering for Idiopathic Scoliosis. Pediatric Orthopaedic Society of North America (POSNA) 2021. Dallas, TX. May 12-15, 2021. [ePoster]
37. Matsumoto H, Herman E, Cahill P, Ramo B, Roye BD, **Vitale MG**, Pediatric Spine Study Group. Mortality in Patients with Neuromuscular Early Onset Scoliosis Undergoing Spinal Deformity Surgery. 28th International Meeting on Advanced Spine Techniques (IMAST). Virtual Online Meeting, 2021: April 21-June 30, 2021. [Podium Presentation]
38. Bonsignore-Opp L, Ball J, Simhon M, Matsumoto H, Sturm P, Pahys JM, **Vitale M,** Larson AN, Roye B, Pediatric Spine Study Group (PSSG). Exposure and Variability of Anesthesia During Mehta Casting Procedures in Early Onset Scoliosis (EOS). 14th International Congress on Early Onset Scoliosis. Virtual Meeting. November 14, 2020. [Virtual Oral Presentation]
39. Roye BD, Fields MW, Matsumoto H, Sponseller P, Sánchez Pérez-Grueso FJ, Boachie-Adjei O, Hammerberg K, Welborn MC, **Vitale MG**, Pediatric Spine Study Group (PSSG). The Association between the Utilization of Traction and Postoperative Complications following Growing Rod Instrumentation. 14th International Congress on Early Onset Scoliosis. Virtual Meeting. November 14, 2020. [Virtual Oral Presentation]
40. Levine SB, Hammoor BT, Morris A, Arora S, Boby AZ, Matsumoto H, Fields MW, Oetgen M, St. Hilaire T, Ramo B, Brockmeyer D, Anderson R, Smith JT, **Vitale MG**, Skaggs D, Pediatric Spine Study Group (PSSG). Looking Under the Hood: Factors that Drive Successful Study Group Participation and Publications in Pediatric Spine Programs 14th International Congress on Early Onset Scoliosis. Virtual Meeting. November 14, 2020. [Virtual Oral Presentation]
41. Simhon ME, Matsumoto H, Fields MW, Marciano GF, Boby AZ, Roye BD, **Vitale MG**. In-Brace Axial Rotation Magnitude and Improvement is Associated with Lower Rates of Curve Progression in AIS. Scoliosis Research Society (SRS) 55th Annual Meeting & Course. Virtual Online Meeting, September 9-13, 2020. [Podium]
42. Miyanji, F., **Vitale, M.G**., El-Hawary, R., Murphy, J.S., Fields, M.W., Matsumoto, H., Skaggs, D.L., Parent, S., Pediatric Spine Study Group. Shoulder Balance in Lenke Type 1 and 2 Idiopathic Scoliosis Following Anterior Vertebral Body Tethering of the Spine.Scoliosis Research Society (SRS) 55th Annual Meeting & Course. Virtual Online Meeting, September 9-13, 2020. [Podium]
43. Roye BD, Fields MW, Matsumoto H, Sponseller P, Sánchez Pérez-Grueso FJ, Boachie-Adjei O, Hammerberg K, Welborn MC, **Vitale MG**, Pediatric Spine Study Group. Utilization of Intraoperative Cranial Traction Protects Non-Idiopathic Patients from Postoperative Complications following Growing Rod Instrumentation. Scoliosis Research Society (SRS) 55th Annual Meeting & Course. Virtual Online Meeting, September 9-13, 2020. [ePoster]
44. Simhon ME, Matsumoto M, Marciano G, Roye BD, **Vitale MG**. Improvement in In-Brace Axial Rotation is Associated with Lower Rates of Curve Progression in AIS. 27th International Meeting on Advanced Spine Techniques (IMAST). Virtual Online Meeting, 2020 Live Sessions: July 10, 11, 18, 25 & August 1, 8, 15, 22. [ePoster]
45. Simhon M, Roye BD, Matsumoto H, Berdishevsky H, Dolan L, Grivas T, Hresko MT, Karol L, Mendelow M, Negrini S, Newton P, Parent E, Rigo M, Weinstein SL, **Vitale MG**. Establishing Consensus on the Best Practice Guidelines for the Use of Bracing in Adolescent Idiopathic Scoliosis. 27th International Meeting on Advanced Spine Techniques (IMAST). Virtual Online Meeting, 2020 Live Sessions: July 10, 11, 18, 25 & August 1, 8, 15, 22. [ePoster]
46. Konigsberg M, Ball J, Matsumoto H, Roye BD, Arora S, Roye DP, Lenke LG, Skaggs D, **Vitale MG**. Variability in Hand Positioning During Full-Length Biplanar Xrays can Affect the Choice of Fusion Levels in Patients with Adolescent Idiopathic Scoliosis (AIS). 27th International Meeting on Advanced Spine Techniques (IMAST). Virtual Online Meeting, 2020 Live Sessions: July 10, 11, 18, 25 & August 1, 8, 15, 22. [ePoster]
47. Matsumoto H, Ball J, Roye BD, Garg S, Erickson MA, Samdani AF, Skaggs D, Roye DP, **Vitale MG**, Pediatric Spine Study Group. Uncorrected Pelvic Obliquity is Associated with Lower Health Related Quality of Life (HRQoL) in Ambulatory but not in Non-Ambulatory Patients After Surgical Treatment in Patients with Early Onset Scoliosis (EOS). 27th International Meeting on Advanced Spine Techniques (IMAST). Virtual Online Meeting, 2020 Live Sessions: July 10, 11, 18, 25 & August 1, 8, 15, 22. [ePoster]
48. Simhon M, Roye BD, Matsumoto H, Garg S, Redding G, Samdani AF, Smith J, Sponseller P, **Vitale MG**, Pediatric Spine Study Group. Bigger is Better: Larger Thoracic Height is Associated with Increased Health Related Quality of Life at Skeletal Maturity. 27th International Meeting on Advanced Spine Techniques (IMAST). Virtual Online Meeting, 2020 Live Sessions: July 10, 11, 18, 25 & August 1, 8, 15, 22. [Podium]
49. Roye BD, Fields MW, Matsumoto H, Emans J, Smith J, Sponseller P, Thompson G, White K, **Vitale MG**, Pediatric Spine Study Group. The Impact of Unplanned Return to the Operating Room on Outcomes at Maturity in Early Onset Scoliosis. 27th International Meeting on Advanced Spine Techniques (IMAST). Virtual Online Meeting, 2020 Live Sessions: July 10, 11, 18, 25 & August 1, 8, 15, 22. [ePoster]
50. Simhon M, Roye BD, Matsumoto H, Almonte C, Bakarania P, Berdishevsky H, Dolan L, Donzelli S, Grimes K, Grivas T, Halsey M, Hresko M, Janssen E, Karol L, Lebel A, Mendelow M, Negrini S, Newton P, Tunney J, Weinstein S, Wood G, Zaina F, **Vitale MG**. Establishing Consensus on the Best Practice Guidelines for the Use of Bracing in Adolescent Idiopathic Scoliosis. Pediatric Orthopaedic Society of North America Annual Meeting. May 13-16, 2020. [ePoster]
51. Matsumoto H, Ball J, Roye BD, Garg S, Erickson M, Samdani A, Skaggs D, Roye DP, **Vitale MG,** PSSG. Uncorrected Pelvic Obliquity is Associated with Lower Health Related Quality of Life in Ambulatory but not in Non-Ambulatory Patients After Surgical Treatment in Patients with Early Onset Scoliosis. Pediatric Orthopaedic Society of North America Annual Meeting. May 13-16, 2020 [ePoster]
52. Simhon M, Matsumoto H, Garg S, Samdani A, Redding G, Smith J, Sponseller P, **Vitale MG**, Roye BD, PSSG. Bigger is Better: Larger thoracic height is associated with increased health related quality of life at skeletal maturity. Pediatric Orthopaedic Society of North America Annual Meeting. May 13-16, 2020. [Podium Presentation]
53. Simhon M, Matsumoto H, Garg S, Samdani A, Smith J, Sponseller P, **Vitale MG**, Roye BD, CSSG, GSSG. Bigger is Better: Larger Thoracic Height is Associated with Increased Health Related Quality of Life at Skeletal Maturity International Congress on Early Onset Scoliosis. Atlanta, GA. November 21-22, 2019. [Podium Presentation.] [Nominated for Best Abstract]
54. Roye BD, Marciano G, Matsumoto H, Campbell M, White K, Sawyer J, Smith J, Luhmann S, Sturm PF, Sponseller P, **Vitale MG**, PSSG. Rod Diameter Does Not Influence Rod Fracture Rate after Surgical Treatment using Magnetically Controlled Growing Rods. International Congress on Early Onset Scoliosis. Atlanta, GA. November 21-22, 2019. [Podium Presentation.] [Nominated for Best Abstract]
55. Roye BD, Simhon ME, Matsumoto HM, Sumeet G, Smith J, Sponseller P, **Vitale MG**, Samdani A. Bigger is Better: Larger Thoracic Height is Associated with Increased Health Related Quality of Life at Skeletal Maturity. American Academy of Orthopedic Surgeons Annual Meeting. March 24-28, 2020. [Paper Presentation]
56. Hamoor BT, Matsumoto H, Marciano G, Dziesinski L, Roye DP, Roye BD, **Vitale MG**. Promising but Imperfect: The Effectiveness of Quality Programs for Surgical Site Infections in Pediatric Spinal Surgery Diminishes Over Time. American Academy of Orthopedic Surgeons Annual Meeting. March 24-28, 2020. [Paper Presentation]
57. Roye BD, Marciano G, Matsumoto H, Campbell M, White K, Sawyer J, Smith J, Luhmann S, Sturm P, Sponseller P, **Vitale MG**. Rod Diameter Does Not Influence Rod Fracture Rate after Surgical Treatment Using Magnetically Controlled Growing Rods. American Academy of Orthopedic Surgeons Annual Meeting. March 24-28, 2020. [Poster Presentation]
58. Simhon ME, Roye BD, Matsumoto H, Almonte C, Bakarania P, Berdishevsky H, Dolan LA, Donzelli S, Grimes K, Grivas TB, Halsey MF, Hresko MT, Janssen B, Karol LA, Lebel A, Lonner BS, Mendelow M, Negrini S, Newtown PO, Parent EC, Rigo M, Schreiber Strikeleather L, Tunney J, Weinstein SL, Wood G, Zaina F, **Vitale MG**. Establishing Consensus on the Best Practice Guidelines for Use of Bracing in Adolescent Idiopathic Scoliosis. American Academy of Orthopedic Surgeons Annual Meeting. March 24-28, 2020. [Paper Presentation]
59. Hammoor B, Matsumoto H, Marciano G, Roye BD, Roye DP, **Vitale MG**, White K, Dziesinski L. Paper #24: Promising But Imperfect: The Effectiveness of Quality Programs for Surgical Site Infections in Pediatric Spinal Surgery Diminishes Over Time. Scoliosis Research Society 54th Annual Meeting and Course. Montreal, Canada. September 18-21, 2019. [Podium Presentation.]
60. Simhon M, Matsumoto H, Garg S, Samdani A, Smith J, Sponseller P, **Vitale MG**, Roye BD, CSSG, GSSG. Bigger is Better: Large Thoracic Height is Associated with Increased Health Related Quality of Life at Skeletal Maturity. Scoliosis Research Society 54th Annual Meeting and Course. Montreal, Canada. September 18-21, 2019. [Podium Presentation.]
61. Bonsignore-Opp L, Murphy J, Skaggs D, Parent S, Samdani A, St. Hilaire T, **Vitale MG.** Pediatric Device Regulation: The Case of Anterior Vertebral Body Tethering. International Congress on Early Onset Scoliosis. Atlanta, GA. November 21-22, 2019. [Podium Presentation.]
62. Hammoor B, Matsumoto H, Marciano G, Roye BD, Roye DP, **Vitale MG**, White K, Dziesinski L. The Effectiveness of Quality Programs for Surgical Site Infections in Pediatric Spinal Surgery: A 12 Year Look Back. International Congress on Early Onset Scoliosis. Atlanta, GA. November 21-22, 2019. [Podium Presentation.]
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64. Roye BD, Marciano G, Matsumoto H, Campbell M, White K, Sawyer J, Smith J, Luhmann S, Sturm PF, Sponseller P, **Vitale MG**, PSSG. Rod Diameter Does Not Influence Rod Fracture Rate after Surgical Treatment using Magnetically Controlled Growing Rods. International Congress on Early Onset Scoliosis. Atlanta, GA. November 21-22, 2019. [Podium Presentation.]
65. Matsumoto H, Ball J, Roye BD, Garg S, Smith J, Gupta P, Roye DP, **Vitale MG**, PSSG. Uncorrected Pelvic Obliquity is Associated with Lower EOSQ-24 Scores in Ambulatory but not in Non-Ambulatory Patients After Surgical Treatment of EOS. International Congress on Early Onset Scoliosis. Atlanta, GA. November 21-22, 2019. [E-Poster Presentation.]
66. Simhon M, Matsumoto H, Garg S, Samdani A, Smith J, Sponseller P, **Vitale MG**, Roye BD, CSSG, GSSG. Bigger is better: Larger thoracic height is associated with increased health related quality of life at skeletal maturity. American Academy of Pediatric National Conference and Exhibition. New Orleans, LA. October 25-29, 2019. [Oral Presentation]
67. Hammoor B, Matsumoto H, Marciano GF, Dziesinski L, Roye BD, Roye DP, **Vitale MG**. Surgical Site Infections in Pediatric Spinal Surgery over a Decade of Serial and Iterative Efforts to Eradicate Infection: Timing Matters. 40th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopaedic World Congress. Muscat, Oman. December 4-7, 2019 [Oral Free Paper]
68. Campbell M, DeAllie C, Matsumoto H, Callejo Gbolo F, Bainton N, **Vitale MG**, Roye BD, Hyman JE, Roye DP. Patients with Scoliosis in the Setting of Cerebral Palsy are at a Higher Risk for Needing Assistive Devices. 40th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopaedic World Congress. Muscat, Oman. December 4-7, 2019 [Oral Free Paper]
69. Matsumoto M, Campbell M, Roye BD, Roye DP , Lenke LG, Sponseller PD, Flynn J, Skaggs D, Glotzbecker **M, Vitale** MG, Harms Study Group. Development and Validation of a Risk Severity Score Identifying Patients with Cerebral Palsy at High-Risk for Developing Surgical Site Infection after Spinal Surgery. 40th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopaedic World Congress. Muscat, Oman. December 4-7, 2019 [Oral Free Paper]
70. Hammoor B, Matsumoto H, Marciano G, Wang K, Dziesinski L, **Vitale MG.** Surgical Site Infections in Pediatric Spinal Surgery over a Decade of Serial and Iterative Efforts to Eradicate Infection: Timing Matters. Pediatric Orthopaedic Society of North America (POSNA) 2019. Charlotte, NC. May 15-18, 2019. [Podium Presentation]
71. Matsumoto H, Warren S, Campbell M, Tunney J, Bainton N, Hyman JE, Roye BD, Roye DP, **Vitale MG**. It’s Not Just About the Frontal Plane: Sagittal Parameters Impact Curve Progression in AIS Patients Undergoing Brace Treatment. Pediatric Orthopaedic Society of North America (POSNA) 2019. Charlotte, NC. May 15-18, 2019. [Free Paper Presentation]
72. Matsumoto H, Campbell M, Roye BD, Roye DP, Lenke L, Sponseller P, Flynn J, Skaggs D, Glotzbecker M, **Vitale MG**. Development and Validation of a Risk Severity Score Identifying Patients with Cerebral Palsy at High-Risk for Developing Surgical Site Infection After Spinal Surgery. Pediatric Orthopaedic Society of North America (POSNA) 2019. Charlotte, NC. May 15-18, 2019. [Podium Presentation]
73. Roye BD, Marciano G, Campbell M, Matsumoto H, White K, Sawyer J, Smith J, Luhmann S, Sturm P, Sponseller P, **Vitale MG**, Children’s Spine Study Group, Growing Spine Study Group. Relationship Between Body Mass, Rod Diameter and Rod Fracture in Magnetically Controlled Growing Rods. Pediatric Orthopaedic Society of North America (POSNA) 2019. Charlotte, NC. May 15-18, 2019. [Podium Presentation]
74. Hung CW, Campbell M, Matsumoto H, Roye DP, **Vitale MG**, Roye BD. Comparing Risk of Unplanned Returned to the Operating Room (UPROR): Magnetically Controlled Growing Rod (MCGR) System vs Prosthetic Rib Constructs (PRC). Pediatric Orthopaedic Society of North America (POSNA) 2019. Charlotte, NC. May 15-18, 2019. [E-Poster]
75. Baranek E, Maier S, Matsumoto H, Hyman JE, **Vitale MG**, Roye DP, Roye BD. Gross Motor Function Classification System Specific Growth Charts – Utility as a Risk Stratification Tool for Surgical Site Infection Following Spine Surgery in Children with Cerebral Palsy. Pediatric Orthopaedic Society of North America (POSNA) 2019. Charlotte, NC. May 1518, 2019. [Paper/Poster Presentation]
76. Matsumoto H, Campbell M, Roye BD, Sponseller PD, Flynn J, Skaggs D, Glotzbeker M, Lenke L, **Vitale MG**, Harms Study Group. Development and Validation of a Risk Severity Score for Surgical Site Infection after Spinal Surgery: Identifying High-Risk Patients with Cerebral Palsy. American Academy of Orthopaedic Surgeons (AAOS) 2019 Annual Meeting. Las Vegas, NV. March 12-16, 2019. [Paper/Poster Presentation]
77. Campbell M, DeAllie C, Matsumoto H, Callejo Gbolo F, Bainton N, **Vitale MG**, Roye BD, Hyman JE, Roye DP. Patients with Scoliosis in the setting of Cerebral Palsy are at a higher risk for needing assistive devices. American Academy of Orthopaedic Surgeons (AAOS) 2019 Annual Meeting. Las Vegas, NV. March 12-16, 2019. [Paper/Poster Presentation]
78. Campbell M, Matsumoto H, Brown C, Callejo Gbolo F, Roye DP, Roye BD, Larson AN, **Vitale MG**, CSSG. To What Degree Does Surgeon Experience Matter? Predicting Risk of Surgical Site Infection in Early Onset Scoliosis. American Academy of Orthopaedic Surgeons (AAOS) 2019 Annual Meeting. Las Vegas, NV. March 12-16, 2019. [Paper/Poster Presentation]
79. Hung CW, Campbell M, Matsumoto H, **Vitale MG**, Roye DP, Roye BD. Magnetically Controlled Growing Rod Systems Have Higher Rate of Adverse Events Compared to Prosthetic Rib Constructs. American Academy of Orthopaedic Surgeons (AAOS) 2019 Annual Meeting. Las Vegas, NV. March 12-16, 2019. [Paper/Poster Presentation]
80. Matsumoto H, Campbell M, Roye BD, Sponseller PD, Flynn J, Skaggs D, Glotzbeker M, Lenke L, **Vitale MG**, Harms Study Group. Development and Validation of a Risk Severity Score for Surgical Site Infection after Spinal Surgery: Identifying High-Risk Patients with Cerebral Palsy. *American Academy of Orthopaedic Surgeons (AAOS) 2019 Annual Meeting. Las Vegas, NV. March 12-16, 2019. [Paper/Poster Presentation]*
81. Campbell M, DeAllie C, Matsumoto H, Callejo Gbolo F, Bainton N, **Vitale MG**, Roye BD, Hyman JE, Roye DP. Patients with Scoliosis in the setting of Cerebral Palsy are at a higher risk for needing assistive devices. *American Academy of Orthopaedic Surgeons (AAOS) 2019 Annual Meeting. Las Vegas, NV. March 12-16, 2019. [Paper/Poster Presentation]*
82. Campbell M, Matsumoto H, Brown C, Callejo Gbolo F, Roye DP, Roye BD, Larson AN, **Vitale MG**, CSSG. To What Degree Does Surgeon Experience Matter? Predicting Risk of Surgical Site Infection in Early Onset Scoliosis. *American Academy of Orthopaedic Surgeons (AAOS) 2019 Annual Meeting. Las Vegas, NV. March 12-16, 2019. [Paper/Poster Presentation]*
83. Hung CW, Campbell M, Matsumoto H, **Vitale MG**, Roye DP, Roye BD. Magnetically Controlled Growing Rod Systems Have Higher Rate of Adverse Events Compared to Prosthetic Rib Constructs. *American Academy of Orthopaedic Surgeons (AAOS) 2019 Annual Meeting. Las Vegas, NV. March 12-16, 2019. [Paper/Poster Presentation]*
84. Roye BD, Campbell M, Matsumoto H, Pahys J, Welborn M, Sawyer J, Fletcher N, McIntosh A, Sturm PF, Gomez JA, Lenke L, **Vitale MG**, Children’s Spine Study Group. Consensus-Based Best Practice Guidelines (BPG) for Use of Preoperative Halo Gravity Traction (HGT) for Pediatric Spinal Deformity. *2018 International Congress on Early Onset Scoliosis and Growing Spine (ICEOS). Lisbon, Portugal. November 15-16, 2018. [Oral Presentation]*
85. Roye BD, Matsumoto H, Hung CW, Campbell M, Beauchamp E, Roye DP, **Vitale MG**. Comparing Risk of Unplanned Returned to the Operating Room (UPROR): Magnetically Controlled Growing Rod (MCGR) System vs Prosthetic Rib Constructs (PRC). *2018 International Congress on Early Onset Scoliosis and Growing Spine (ICEOS). Lisbon, Portugal. November 15-16, 2018. [Oral Presentation]*
86. Siddiqui A, Nazareth A, Andras P, Gupta P, **Vitale M**, Smith J, Skaggs D. 18% of EOS patients Treated with MCGR have Minimal Lengthening Episodes Resulting in < 1mm of Distraction. *2018 International Congress on Early Onset Scoliosis and Growing Spine (ICEOS). Lisbon, Portugal. November 15-16, 2018. [Oral Presentation]*
87. Gomez J, Xin R, Lo Y, Hanstein R, Hilaire T, Flynn T, White K, El-Hawary R, Garg S, Cahill P, **Vitale M**, Redding G. Single Fusion (PSF) Vs Growth Friendly (GF) Device in Older EOS Patients. *2018 International Congress on Early Onset Scoliosis and Growing Spine (ICEOS). Lisbon, Portugal. November 15-16, 2018. [Oral Presentation]*
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90. Hung CW, Matsumoto H, Campbell M, **Vitale MG**, Roye DP, Roye BD. Magnetically Controlled Growing Rod Systems Have Higher Hazard of Adverse Events Compared to Prosthetic Rib Constructs. *2018 Scoliosis Research Society (SRS) 53rd Annual Meeting & Course. Bologna, Italy. October 10-13, 2018. [Podium Presentation]*
91. DeAllie C, Matsumoto H, Campbell M, Roye BD, **Vitale MG**, Roye DP. Scoliosis severity in cerebral palsy patients is associated with increased need for respiratory assistive aids. *2018 Scoliosis Research Society (SRS) 53rd Annual Meeting & Course. Bologna, Italy. October 10-13, 2018. [E-poster]*
92. Warren S, Matsumoto H, Campbell M, Tunney J, Bainton N, Hope J, Hyman J, Roye DP, Roye BD, **Vitale M**. Rigo Cheneau-Style Orthosis in Adolescent Idiopathic Scoliosis Lowers Risk of Curve Progression Compared to Boston Style Orthosis by Achieving Higher In-Brace Correction. *2018 Scoliosis Research Society (SRS) 53rd Annual Meeting & Course. Bologna, Italy. October 10-13, 2018. [E-poster]*
93. Matsumoto H, Warren S, Campbell M, Tunney J, Bainton N, Hyman J, Roye BD, Roye DP, **Vitale M**. It’s Not Just About the Frontal Plane: Spinopelvic Parameters Impact Curve Progression in AIS Patients Undergoing Brace Treatment. *2018 Scoliosis Research Society (SRS) 53rd Annual Meeting & Course. Bologna, Italy. October 10-13, 2018. [Podium Presentation]*
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99. **Vitale M**, Imahiyerobo T, Beauchamp E, Minkara A, Matsumoto H, Callejo F, Ha J, Roye BD, Roye DP. A Novel Wound Closure Method in Non-idiopathic Scoliosis Significantly Reduces the Risk of Wound Complications. *Pediatric Orthopaedic Society of North America (POSNA) 2018. Austin, TX. May 9-12, 2018. [E-Poster Presentation]*
100. Minkara A, Matsumoto H, Callejo F, Roye BD, Roye DP, **Vitale M**. Improvement of Pulmonary Function Measured by Patient-Reported Outcomes in Patients with Non-Idiopathic Scoliosis after Growth-Friendly Instrumentation. *Pediatric Orthopaedic Society of North America (POSNA) 2018. Austin, TX. May 9-12, 2018. [E-Poster Presentation]*
101. Minkara A, Matsumoto H, Glotzbecker M, Flynn J, Smith J, Samdani A, Saiman L, **Vitale M**, CSSG. Building the Case for Optimal Prophylaxis for Growth-Friendly Surgery for Non-idiopathic Scoliosis: Using Vancomycin and Aminoglycosides. *Pediatric Orthopaedic Society of North America (POSNA) 2018. Austin, TX. May 9-12, 2018. [Poster Presentation]*
102. Hung CW, Campbell M, Matsumoto H, Roye DP, **Vitale M**, Roye BD. Magnetically Controlled Growing Rods have a high rate of complications and return to OR. *Pediatric Orthopaedic Society of North America (POSNA) 2018. Austin, TX. May 9-12, 2018. [Podium Presentation]*
103. Roye BD, Campbell M, Matsumoto H, Callejo Gbolo F, Roye DP, El-Hawary R, Gupta P, Sawyer J, White K, Smith J, **Vitale M**. Smaller Rods in Magnetically Controlled Growing Rods are at Increased Risk of Fracture after 3 Years. *2018 American Academy of Pediatrics (AAP) National Conference and Exhibition. Orlando, FL. November 2-6, 2018. [Podium Presentation]*
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105. Matsumoto H, Warren S, Campbell M, Tunney J, Bainton N, Hyman J, Roye BD, Roye DP, **Vitale MG**. In-brace spinopelvic parameters are associated with curve progression at 2 years in patients with adolescent idiopathic scoliosis undergoing brace treatment. *2018 13th Annual Conference of the Society of Scoliosis Orthopaedic and Rehabilitation Treatment (SOSORT). Dubrovnik, Croatia. April 18-21, 2018. [Podium Presentation]*
106. Warren S, Matsumoto H, Campbell M, Tunney J, Bainton N, Hope J, Hyman J, Roye DP, Roye BD, **Vitale MG**. Rigo System Cheneau Brace in Adolescent Idiopathic Scoliosis: Lower Risk of Curve Progression Compared to Boston-Style Orthosis Through Higher In-Brace Correction. *2018 13th Annual Conference of the Society of Scoliosis Orthopaedic and Rehabilitation Treatment (SOSORT). Dubrovnik, Croatia. April 18-21, 2018. [Podium Presentation]*
107. Matsumoto H, Campbell M, Minkara A, Roye D, Johnston C, Garg S, Samdani A, Smith J, Sponseller P, Sturm P, **Vitale M**, CSSG, GSSG. Development of a Risk Severity Score (RSS) Predicting Surgical Site Infection in Early Onset Scoliosis: Identifying High-Risk Patients. *2017 International Congress on Early Onset Scoliosis and Growing Spine (ICEOS). San Diego, CA. November 16-17, 2017. [Oral Presentation]*
108. Minkara A, Matsumoto H, Clotzbecker M, Flynn J, Smith J, Samdani A, Saiman L, CSSG, **Vitale M**. Building the Case for Optimal Prophylaxis for Growth-Friendly Surgery for Non-idiopathic Scoliosis: Using Vancomycin and Aminoglycosides. *2017 International Congress on Early Onset Scoliosis and Growing Spine (ICEOS). San Diego, CA. November 16-17, 2017. [Oral Presentation]*
109. Hung C, Matsumoto H, Campbell M, Roye B, Roye D, **Vitale M**. Comparison of Complications and unplanned OR visits between Magnetically Controlled Growing Rods and Vertical Expandable Prosthetic Titanium Rib. *2017 International Congress on Early Onset Scoliosis and Growing Spine (ICEOS). San Diego, CA. November 16-17, 2017. [Oral Presentation]*
110. Sawyer J, Hung CW, Feinberg N, Matsumoto H, Smith J, Phillips J, Sturm P, **Vitale M**, CSSG. Hardware Complications for Early Onset Scoliosis Patients with Magnetically Controlled Growing Rods are Higher than Traditional Growth Rods at 2-years Follow-Up. *2017 American Academy of Pediatrics (AAP) National Conference and Exhibition. Chicago, IL. September 15-19, 2017. [Oral Presentation]*
111. Matsumoto H, Minkara A, Feinberg N, Smith J, Samdani A, Glotzbecker M, Sawyer J, Skaggs D, Roye D, Roye B, **Vitale M**, GSSG, CSSG. Development of a Risk Severity Score for Surgical Site Infection: Identifying High-Risk Nonidiomatic Patients Undergoing Spinal Fusion and Instrumentation. *2017 American Academy of Pediatrics (AAP) National Conference and Exhibition. Chicago, IL. September 15-19, 2017. [Oral Presentation]*
112. Matsumoto H, Mueller J, Minkara A, Cahill P, Sturm P, Smith J, Thompson G, Sponseller P, Skaggs D, Thompson G, **Vitale M**, Roye D, Growing Spine Study Group, Children’s Spine Study Group. Improvement of Pulmonary Function Measured by Patient-Reported Outcomes in Patients with Spinal Muscular Atrophy after Growth-Friendly Instrumentation. *Scoliosis Research Society 52nd Annual Meeting. Philadelphia, PA. September 6-9, 2017. [Podium Presentation]*
113. Matsumoto H, Auran E, Hung CW, Sturm P, Garg S, Sanders J, Oetgen M, Roye D, **Vitale M**, CSSG, GSSG. All that Glitters is Not Gold – Serial Casting for EOS Negatively Affects Health-Related Quality of Life even after Discontinuation of Serial Casting: A 2 Year Follow-up. *Scoliosis Research Society 52nd Annual Meeting. Philadelphia, PA. September 6-9, 2017. [Podium Presentation]*
114. Matsumoto H, Minkara A, Feinberg N, Smith J, Samdani A, Glotzbecker M, Sawyer J, Skaggs D, Roye D, **Vitale M**, GSSG, CSSG. Development of a Risk Severity Score Predicting Surgical Site Infection in Early Onset Scoliosis. *Scoliosis Research Society 52nd Annual Meeting. Philadelphia, PA. September 6-9, 2017. [Podium Presentation] Nominated for the Hibbs Clinical Research Award*
115. Nielsen E, Andras L, Bellaire L, Fletcher N, Minkara A, **Vitale M**, Troy M, Glotzbecker M, Skaggs DL. Don't You Wish You Had Fused to the Pelvis the First Time: A Comparison of Complications and Correction of Pelvic Obliquity. *Scoliosis Research Society 52nd Annual Meeting. Philadelphia, PA. September 6-9, 2017. [Podium Presentation]*
116. Minkara A, **Vitale M**, Matsumoto H, Glotzbecker M, Flynn J, Smith J, Samdani A, Saiman L, CSSG. Building the Case for Optimal Prophylaxis for Growth-Friendly Surgery for Non-idiopathic Scoliosis: Using Vancomycin and Aminoglycosides. *Scoliosis Research Society 52nd Annual Meeting. Philadelphia, PA. September 6-9, 2017. [Podium Presentation]*
117. Skaggs D, Akbarnia B, Pawelek J, Matsumoto H, St. Hilaire T, Sturm P, Perez-Grueso F, Luhmann S, Sponseller P, Smith J, White K, **Vitale M**, Children’s Spine Study Group, Growing Spine Study Group. Magnetically Controlled Growing Rod Patients Have Better HRQOL Measures Compared to Traditional Growing Rod Patients: A Multicenter Pilot Study. *24th International Meeting on Advanced Spine Techniques. Cape Town, South Africa. July 12-15, 2017. [Oral Presentation]*
118. Kondratyeva A, Feinberg N, Bloom Z, Hung C, Matsumoto H, Smith J, Pahys J, Garg S, Roye D, **Vitale M**, CSSG. Proximal Rib-Based Constructs in EOS: Survivorship at or near Skeletal Maturity. *24th International Meeting on Advanced Spine Techniques. Cape Town, South Africa. July 12-15, 2017. [Oral Presentation]*
119. Lindgren A, Minkara A, Grimes K, Berdishevsky H, Bakarania P, Matsumoto H, Roye D, **Vitale M.** Physiotherapeutic Scoliosis Specific Exercise (PSSE) Utilizing the Schroth Method in Adolescent Idiopathic Scoliosis: 10 Sessions Predicts Higher Compliance and Home Exercise Duration. *2017 12th Annual Conference of The Society of Scoliosis Orthopaedic and Rehabilitation Treatment (SOSORT). Lyon, France. May 4-6, 2017. [Oral Presentation]*
120. Bakarania P, Feinberg N, Minkara A, Hope J, Tunney J, Berdishevsky H, Grimes K, Swindell H, Yoshimachi J, Roye D, **Vitale M**. RIGO System Cheneau brace: Higher in-brace correction and lower risk of 6-month curve progression compared to TLSO. *2017 12th Annual Conference of The Society of Scoliosis Orthopaedic and Rehabilitation Treatment (SOSORT). Lyon, France. May 4-6, 2017. [Oral Presentation]*
121. Minkara A, Tunney J, **Vitale M**. RIGO System Cheneau Brace in AIS: Radiographic Predictors of Curve Progression. *2017 12th Annual Conference of The Society of Scoliosis Orthopaedic and Rehabilitation Treatment (SOSORT). Lyon, France. May 4-6, 2017. [Oral Presentation]*
122. Matsumoto H, Roye D, Auran E, Sturm P, Garg S, Sanders J, Oetgen M, **Vitale M**. Quality of Life and Burden of Care in Patients with EOS Undergoing Casting. *European Pediatric Orthopaedic Society/Pediatric Orthopaedic Society of North America Combined Annual Meeting. Barcelona, Spain. May 3-6, 2017. [E-Poster]*
123. **Vitale M**, Matsumoto H, Feinberg N, Smith J, Samdani A, Glotzbecker M, Sawyer J, Skaggs D, Roye D, GSSG, CSSG. Development of a Risk Severity Score Predicting Surgical Site Infection in Early Onset Scoliosis. *2017 American Orthopaedic Association (AOA) Annual Leadership Meeting. Charlotte, NC. June 20-24, 2017. [E-Poster]*
124. Kondratyeva A, Feinberg N, Bloom Z, Hung CW, Matsumoto H, Smith J, Samdani A, Pahys J, Garg S, Roye D, **Vitale M**, CSSG. Proximal Rib-Based Constructs in Early Onset Scoliosis: Long-Term Follow up and Survivorship. *2017 American Orthopaedic Association (AOA) Annual Leadership Meeting. Charlotte, NC. June 20-24, 2017. [E-Poster]*
125. Sawyer J, Hung CW, Feinberg N, Matsumoto H, Smith J, Phillips J, Sturm P, Roye D, **Vitale M**, CSSG. Comparison of Newly Implanted versus Converted Magnetically Controlled Growing Rods (MCGR) from the Post-United States Release. *2017 American Orthopaedic Association (AOA) Annual Leadership Meeting. Charlotte, NC. June 20-24, 2017. [E-Poster]*
126. Mueller J, Matsumoto H, Cahill P, Sturm P, Smith J, Roye D, **Vitale M**, CSSG. Improvement of Pulmonary Function Measured by Patient-Reported Outcomes in Patients with Spinal Muscular Atrophy after VEPTR Surgery. *2017 American Orthopaedic Association (AOA) Annual Leadership Meeting. Charlotte, NC. June 20-24, 2017. [E-Poster, Poster]*
127. Auran E, Matsumoto H, Sturm P, Garg S, Sanders J, Oetgan M, Roye D, **Vitale M**, CSSG, GSSG. Quality of Life and Burden of Care in Patients with EOS Undergoing Casting. *2017 American Orthopaedic Association (AOA) Annual Leadership Meeting. Charlotte, NC. June 20-24, 2017. [E-Poster]*
128. Sawyer J, Hung CW, Feinberg N, Matsumoto H, Smith J, Phillips J, Sturm P, **Vitale M**, CSSG. Hardware Complications for Early Onset Scoliosis Patients with Magnetically Controlled Growing Rods are Higher than Traditional Growth Rods at 2-years Follow-Up. *2017 American Academy of Pediatrics (AAP) National Conference and Exhibition. Chicago, IL. September 15-19, 2017. [Oral Presentation]*
129. Matsumoto H, Minkara A, Feinberg N, Smith J, Samdani A, Glotzbecker M, Sawyer J, Skaggs D, Roye D, Roye B, **Vitale M**, GSSG, CSSG. Development of a Risk Severity Score for Surgical Site Infection: Identifying High-Risk

Non Idiopathic Patients Undergoing Spinal Fusion and Instrumentation. *2017 American Academy of Pediatrics (AAP) National Conference and Exhibition. Chicago, IL. September 15-19, 2017. [Oral Presentation]*

1. Kondratyeva A, Feinberg N, Bloom Z, Hung CW, Matsumoto H, Smith J, Pahys J, Garg S, Roye D, **Vitale M**, CSSG. Proximal Rib-Based Constructs in EOS: Survivorship at or near Skeletal Maturity. *Scoliosis Research Society 52nd Annual Meeting. Philadelphia, PA. September 6-9, 2017. [E-Poster]*
2. Sawyer J, Hung CW, Bloom Z, Matsumoto H, Smith J, Phillips J, Sturm P, Sanders J, Jain V, Ramo B, **Vitale M**, Growing Spine Study Group, Children’s Spine Study Group. Conversion of Traditional Growth Friendly Instrumentation to Magnetically Controlled Growth Rods Does Not Affect Radiographic Outcomes Nor Increase Hardware Related Complications at Two Years Follow Up. *Scoliosis Research Society 52nd Annual Meeting. Philadelphia, PA. September 6-9, 2017. [E-Poster]*
3. Matsumoto H, Mueller J, Minkara A, Cahill P, Sturm P, Smith J, Thompson G, Sponseller P, Skaggs D, Thompson G, **Vitale M**, Roye D, Growing Spine Study Group, Children’s Spine Study Group. Improvement of Pulmonary Function Measured by Patient-Reported Outcomes in Patients with Spinal Muscular Atrophy after Growth-Friendly Instrumentation. *Scoliosis Research Society 52nd Annual Meeting. Philadelphia, PA. September 6-9, 2017. [Podium Presentation]*
4. Matsumoto H, Auran E, Hung CW, Sturm P, Garg S, Sanders J, Oetgen M, Roye D, **Vitale M**, CSSG, GSSG. All that Glitters is Not Gold – Serial Casting for EOS Negatively Affects Health-Related Quality of Life even after Discontinuation of Serial Casting: A 2 Year Follow-up. *Scoliosis Research Society 52nd Annual Meeting. Philadelphia, PA. September 6-9, 2017. [Podium Presentation]*
5. Matsumoto H, Minkara A, Feinberg N, Smith J, Samdani A, Glotzbecker M, Sawyer J, Skaggs D, Roye D, **Vitale M**, GSSG, CSSG. Development of a Risk Severity Score Predicting Surgical Site Infection in Early Onset Scoliosis. *Scoliosis Research Society 52nd Annual Meeting. Philadelphia, PA. September 6-9, 2017. [Podium Presentation]*
6. Nielsen E, Andras L, Bellaire L, Fletcher N, Minkara A, **Vitale M**, Troy M, Glotzbecker M, Skaggs DL. Don't You Wish You Had Fused to the Pelvis the First Time: A Comparison of Complications and Correction of Pelvic Obliquity. *Scoliosis Research Society 52nd Annual Meeting. Philadelphia, PA. September 6-9, 2017. [Podium Presentation]*
7. Minkara A, **Vitale M**, Matsumoto H, Glotzbecker M, Flynn J, Smith J, Samdani A, Saiman L, CSSG. Building the Case for Optimal Prophylaxis for Growth-Friendly Surgery for Non-idiopathic Scoliosis: Using Vancomycin and

Aminoglycosides. *Scoliosis Research Society 52nd Annual Meeting. Philadelphia, PA. September 6-9, 2017. [Podium Presentation]*

1. Minkara A, **Vitale M**, Matsumoto H, Glotzbecker M, Flynn J, Smith J, Samdani A, Saiman L, CSSG. Deep Surgical Site Infections (SSIs) Following Growth Friendly Procedures in Children with Non-idiopathic Scoliosis Requiring Repetitive Surgery: Per Patient Risk 6-Fold Higher than Per Procedure Risk. *Scoliosis Research Society 52nd Annual Meeting. Philadelphia, PA. September 6-9, 2017. [Podium Presentation]*
2. Skaggs D, Akbarnia B, Pawelek J, Matsumoto H, St. Hilaire T, Sturm P, Perez-Grueso F, Luhmann S, Sponseller P, Smith J, White K, **Vitale M,** Children’s Spine Study Group, Growing Spine Study Group. Magnetically Controlled Growing Rod Patients Have Better HRQOL Measures Compared to Traditional Growing Rod Patients: A Multicenter Pilot Study. *24th International Meeting on Advanced Spine Techniques. Cape Town, South Africa. July 12-15, 2017. [Oral Presentation]*
3. Kondratyeva A, Feinberg N, Bloom Z, Hung C, Matsumoto H, Smith J, Pahys J, Garg S, Roye D, **Vitale M**, CSSG. Proximal Rib-Based Constructs in EOS: Survivorship at or near Skeletal Maturity. *24th International Meeting on Advanced Spine Techniques. Cape Town, South Africa. July 12-15, 2017. [Oral Presentation]*
4. Matsumoto H, Hung C, Franzone JM, Troy MJ, Barrett KK, Striano B, Flynn JM, Skaggs DL, Glotzbecker MP, **Vitale M**, Roye DP. A Novel Risk Severity Score to Predict Pediatric Spine Surgical Site Infection in Patients with Cerebral Palsy Ranges from 0.88% to 23.3%. *American Academy for Cerebral Palsy and Developmental Medicine 71st Annual Meeting. Montreal, Canada. September 13-16, 2017. [Free Paper Presentation]*
5. Lindgren A, Minkara A, Grimes K, Berdishevsky H, Bakarania P, Matsumoto H, Roye D, **Vitale M**. Physiotherapeutic Scoliosis Specific Exercise (PSSE) Utilizing the Schroth Method in Adolescent Idiopathic Scoliosis: 10 Sessions Predicts Higher Compliance and Home Exercise Duration. *Society on Scoliosis Orthopaedic and Rehabilitation Treatment 2017 Meeting. Lyon, France. May 4-6, 2017. [oral presentation]*
6. Matsumoto H, Auran E, Sturm P, Garg S, Sanders J, Oegen M, Roye DP, **Vitale M**, CSSG, GSSG. All that Glitters is Not Gold – Serial Casting for EOS Negatively Affects Health-Related Quality of Life even after Discontinuation of Serial Casting. *European Pediatric Orthopaedic Society/Pediatric Orthopaedic Society of North America Combined Annual Meeting. Barcelona, Spain May 3-6, 2017. [e-poster]*
7. Kondratyeva A, Feinberg N, Bloom Z, Hung C, Matsumoto H, Smith J, Pahys J, Garg S, **Vitale M**, CSSG. Proximal Rib Based Constructs (VEPTR) in EOS: Survivorship at or near Skeletal Maturity. *European Pediatric Orthopaedic Society/Pediatric Orthopaedic Society of North America Combined Annual Meeting. Barcelona, Spain May 3-6, 2017. [e-poster]*
8. Sawyer J, Hung C, Bloom Z, Matsumoto H, Smith J, Phillips J, Sturm P, **Vitale M**, CSSG. Expect Minimal Further

Correction and Higher Risk of Complications in Revision from Traditional Growth Rods to Magnetically Controlled

Growing Rods. *European Pediatric Orthopaedic Society/Pediatric Orthopaedic Society of North America Combined Annual Meeting. Barcelona, Spain May 3-6, 2017. [Poster]*

1. Matsumoto H, Roye DP, Feinberg N, Smith J, Samdani A, Glotzbecker M, Sawyer J, Skaggs DL, **Vitale M**, CSSG, CSSG. Novel Risk Severity Score for Early Onset Scoliosis Predicts SSI Rates Ranging From 5.7% to 79.6%. *European Pediatric Orthopaedic Society/Pediatric Orthopaedic Society of North America Combined Annual Meeting. Barcelona, Spain May 3-6, 2017. [podium presentation]*
2. Roye DP, Matsumoto H, Hung CW; Franzone JM, Feinberg NA, Mackenzie WS, Troy MJ, Barrett KK, Striano B, Flynn JM, Skaggs DL, Glotzbecker MP, **Vitale M**, Growing Spine Study Group, Children's Spine Study Group. A Novel Risk Severity Score to Predict Pediatric Spine Surgical Site Infection in Patients with Cerebral Palsy Ranges from 0.88% to 23.3%. *European Pediatric Orthopaedic Society/Pediatric Orthopaedic Society of North America Combined Annual Meeting. Barcelona, Spain May 3-6, 2017. [podium presentation]*
3. Roye DP, Mueller J, Matsumoto H, Cahill P, Sturm, Smith J, **Vitale M**, Children’s Spine Study Group. Improvement of Pulmonary Function Measured by Patient-Reported Outcomes in Patients with Spinal Muscular Atrophy after VEPTR Surgery. *European Pediatric Orthopaedic Society/Pediatric Orthopaedic Society of North America Combined Annual Meeting. Barcelona, Spain May 3-6, 2017. [podium presentation]*
4. Auran E, Matsumoto H, Sturm PF, Garg S, Sanders JO, Oetgen M, Roye DP, **Vitale M**. Children’s Spine Study Group, Growing Spine Study Group. Quality of Life and Burden of Care in Patients with EOS Undergoing Casting. *10th International Congress on Early Onset Scoliosis. Utrecht, Holland November 17-18, 2016. Nominated for the Dr. Behrooz Akbarnia Award. [oral presentation]*
5. Kondratyeva A, Feinberg N, Bloom Z, Smith J, Pahys J, Garg S, **Vitale M**, CSSG. Proximal Rib-Based Constructs in EOS: Long-Term Follow up and Survivorship. *10th International Congress on Early Onset Scoliosis. Utrecht, Holland November 17-18, 2016. [e-poster]*
6. Mueller J, Matsumoto H, Cahill P, Sturm P, Smith J, Roye D, **Vitale M**. Children’s Spine Study Group. Improvement of Pulmonary Function Measured by Patient-Reported Outcomes in Patients with Spinal Muscular Atrophy after VEPTR Surgery. *10th International Congress on Early Onset Scoliosis. Utrecht, Holland November 17-18, 2016. [oral presentation]*
7. Sawyer JR, Hung CW, Feinberg N, Matsumoto H, Smith J, Phillips J, Sturm P, **Vitale M**. Children’s Spine Study Group. Comparison of Newly Implanted versus Converted Magnetically Controlled Growing Rods (MCGR) from the Post-United States Release. *10th International Congress on Early Onset Scoliosis. Utrecht, Holland November 17-18, 2016. [oral presentation]*
8. Matsumoto H, Feinberg N, Smith J, Samdani A, Glotzbecker M, Sawyer J, Skaggs D, Roye D, **Vitale M**. Development of a Risk Severity Score Predicting Surgical Site Infection in Early Onset Scoliosis. *10th International Congress on Early Onset Scoliosis. Utrecht, Holland November 17-18, 2016. Nominated for the Dr. Behrooz Akbarnia Award. [oral presentation]*
9. Mackenzie W, Matsumoto H, Warren S, LaRussa S, Wang K, Franzone J, Roye B, McLeod L, Roye D, **Vitale M**. Predicting Risk of Surgical Site Infection in Neuromuscular Scoliosis Patients Undergoing Correction: Can We Rely on Administrative Data Sets? *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopaedic World Congress. Rome, Italy September 8-10, 2016 [e-poster]*
10. Russo C, Trupia E, Feinberg N, Matsumoto H, Smith J, Samdani A, Emans J, Roye D, **Vitale M**. Children’s Spine Foundation. Classification of Early Onset Scoliosis Correlates with Complications after Initiation of Growth Friendly Spine Surgery. *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopaedic World Congress. Rome, Italy September 8-10, 2016 [e-poster]*
11. Makhni MC, Lindgren AM, Dardashti N, Matsumoto H, Wang K, Jimenez J, Roye B, Roye DP, **Vitale M.** The Cost of Complexity in Pediatric Scoliosis. *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopaedic World Congress. Rome, Italy September 8-10, 2016 [e-poster]*
12. Matsumoto H, Franzone J, Mackenzie W, Troy M, Barrett K, Striano B, Glotzbecker M, Flynn J, Skaggs D, Roye D, **Vitale M**. Development of a Risk Severity Scoring System for Surgical Site Infection in Adolescent Idiopathic Scoliosis: What Are We Missing? *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopaedic World Congress. Rome, Italy September 8-10, 2016 [Oral Presentation]*
13. Lindgren AM, Makhni MC, Shillingford J, Roye B, Hyman JE, Roye DP, **Vitale MG**. Lenke, Suk, Rigo Classification Systems: How Do They Compare? *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopaedic World Congress. Rome, Italy September 8-10, 2016 [Oral Presentation]*
14. Feinberg N, Matsumoto H, Garg S, Sawyer J, Sturm P, Roye DP, **Vitale M**. Children’s Spine Foundation. The Baseline Caregiver and Financial Burden Scores of EOS Patients are Significantly Lower than National Normative Scores. *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopaedic World Congress. Rome, Italy September 8-10, 2016 [Oral Presentation]*
15. Franzone J, Matsumoto H, Mackenzie W, Troy M, Barrett K, Striano B, Glotzbecker M, Flynn J, Skaggs D, Roye D, **Vitale M.** In Patients with Non idiopathic Spinal Deformity, Risk of Surgical Site Infection can Range from 2.0% to 54.8% - Results of a Novel Risk Severity Score. *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopaedic World Congress. Rome, Italy September 8-10, 2016 [e-poster]*
16. Lindgren A, Matsumoto H, Feinberg N, Swindell H, Bloom Z, Berdishevsky H, Grimes K, Bakarania P, Roye D, Roye B, Hyman J, **Vitale M**. Teen Compliance with Schroth Therapy: Is it Possible? *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopedic World Congress. Rome, Italy September 8-10, 2016 [Oral Presentation]*
17. Feinberg N, Matsumoto H, Bloom Z, Flynn J, Sturm P, Garg S, Roye D, **Vitale MG**, CSSG, GSSG. Spinal Muscular Atrophy: Growing Spinal Instrumentation Preserves Lung Volumes and Maintains Quality of Life. *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopaedic World Congress. Rome, Italy September 8-10, 2016 [e-poster]*
18. **Vitale MG**, Hope J, Matsumoto H, Feinberg N, Swindell H, Yoshimachi J, Hyman JE, Roye B, Roye D. Rigo System Cheneau Brace Provides Better In-Brace Correction Than Traditional TLSO Brace. *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopaedic World Congress. Rome, Italy September 8-10, 2016 [Oral Presentation]*
19. Franzone J, Matsumoto H, Mackenzie W, Troy M, Barrett K, Striano B, Glotzbecker M, Flynn J, Skaggs D, **Vitale M**. In Patients with Non idiopathic Spinal Deformity, Risk of Surgical Site Infection can Range from 2.0% to 54.8% Results of a Novel Risk Severity Score. *Scoliosis Research Society 51st Annual Meeting. Prague, Czech Republic. September 2124, 2016. [Nominated for the John H. Moe Award for Best Basic Science Poster]*
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22. Russo C, Trupia E, Feinberg N, Matsumoto H, Smith J, Samdani A, Emans J, Roye D, **Vitale M**, Children’s Spine Foundation. Classification of Early Onset Scoliosis Correlates with Complications after Initiation of Growth Friendly Spine Surgery. *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopedic World Congress. Rome, Italy September 8-10, 2016 [e-poster]*
23. Makhni M, Lindgren A, Dardashti N, Matsumoto H, Wang K, Jimenez J, Roye B, Roye D, **Vitale M**. The Cost of Complexity in Pediatric Scoliosis. *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopedic World Congress. Rome, Italy September 8-10, 2016 [e-poster]*
24. Matsumoto H, Franzone J, Mackenzie W.G., Troy M, Barrett K, Striano B, Glotzbecker M, Flynn J, Skaggs D, Roye D, **Vitale, M**. Development of a Risk Severity Scoring System for Surgical Site Infection in Adolescent Idiopathic Scoliosis: What Are We Missing? *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopedic World Congress. Rome, Italy September 8-10, 2016 [Oral Presentation]*
25. Lindgren A, Makhni M, Shillingford J, Roye B, Hyman J, Roye D, **Vitale, M.** Lenke, Suk, Rigo Classification Systems: How Do They Compare? *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopedic World Congress. Rome, Italy September 8-10, 2016 [Oral Presentation]*
26. Feinberg N, Matsumoto H, Garg S, Sawyer J, Sturm P, Roye D, **Vitale, M**, Children’s Spine Foundation. The Baseline Caregiver and Financial Burden Scores of EOS Patients are Significantly Lower than National Normative Scores. *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopedic World Congress. Rome, Italy September 8-10, 2016 [Oral Presentation]*
27. Franzone J, Matsumoto H, Mackenzie W, Troy M, Barrett K, Striano B, Glotzbecker M, Flynn J, Skaggs D, Roye D, **Vitale, M**. In Patients with Non idiopathic Spinal Deformity, Risk of Surgical Site Infection Can Range from 2.0% to 54.8% - Results of a Novel Risk Severity Score. *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopedic World Congress. Rome, Italy September 8-10, 2016 [e-poster]*
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29. Feinberg N, Matsumoto H, Bloom Z, Flynn J, Sturm P, Garg S, Roye D, **Vitale, M,** CSSG, GSSG. Spinal Muscular Atrophy: Growing Spinal Instrumentation Preserves Lung Volumes and Maintains Quality of Life. *37th International Society of Orthopaedic Surgery and Traumatology (SICOT) Orthopedic World Congress. Rome, Italy September 8 10, 2016 [e-poster]*
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31. **Vitale, M**, Matsumoto H, Feinberg N, Trupia E, Shirley M, Garg S, Flynn J, Sturm PF, Sanchez Perez-Grueso F, Roye DP, Skaggs DL, CSSG, GSSG. Choice of Anchors – Rib vs. Spine: Importance of Proximal Anchor Number. *23rd International Meeting on Advanced Spine Techniques. Washington, D.C. July 13-16, 2016*
32. Franzone J, Matsumoto H, Mackenzie W, Troy M, Barrett K, Striano B, Glotzbecker M, Flynn J, Skaggs D, Roye D, **Vitale, M.** In Patients with Non idiopathic Spinal Deformity, Risk of Surgical Site Infection can Range from 2.0% to 54.8% - Results of a Novel Risk Severity Score. *23rd International Meeting on Advanced Spine Techniques. Washington, D.C. July 13-16, 2016*
33. Russo C, Feinberg N, Trupia E, Matsumoto H, Smith J, Samdani A, Garg S, Flynn J, **Vitale M**, Children’s Spine Study Group and Growing Spine Study Group. Classification of Early Onset Scoliosis Predicts Complications after Initiation of Growth Friendly Spine Surgery. *American Orthopaedic Association. Seattle, WA. June 22-25, 2016*
34. Russo C, Matsumoto H, Feinberg N, Smith J, Samdani A, Garg S, Flynn JM, **Vitale M**. Classification of Early Onset Scoliosis Predicts Complications after Initiation of Growth Friendly Spine Surgery. *American Academy of Orthopaedic Surgeons Annual Meeting. Orlando, FL. Mar 1-5, 2016*
35. Franzone J, Matsumoto H, Troy M, Barrett K, Striano B, Glotzbecker M, Flynn J, Skaggs D, **Vitale M**. Development of a Risk Severity Score for Non idiopathic Pediatric Spine Surgical Site Infection. *American Academy of Orthopaedic Surgeons Annual Meeting. Orlando, FL. Mar 1-5, 2016*
36. Matsumoto H, Feinberg N, Yoshimachi J, Roye DP, Akbarnia BA, Garg S, Sanders JO, Skaggs DL, Smith JT, **Vitale MG**, Children’s Spine Study Group and Growing Spine Study Group. Short Term Health Related Quality of Life and Family Burden after Surgical or Casting Treatment. *International Congress of Early Onset Scoliosis Annual Meeting. Boston, MA. Nov. 19-20, 2015*
37. Russo C, Feinberg N, Trupia E, Matsumoto H, Smith J, Samdani A, Garg S, Flynn J, **Vitale M**, Children’s Spine Study Group and Growing Spine Study Group. Classification of Early Onset Scoliosis Predicts Complications after Initiation of Growth Friendly Spine Surgery. *International Congress of Early Onset Scoliosis Annual Meeting. Boston, MA. Nov. 19-20, 2015*
38. **Vitale MG**, Matsumoto H, Feinberg N, Maier S, Trupia E, Warren S, Shirley M, Garg S, Flynn J, Sturm PF, Sanchez Perez-Grueso F, Roye DP, Skaggs DL, Children’s Spine Study Group and Growing Spine Study Group. Proximal Rib vs Proximal Spine Anchors in Growing Rods: A Multicenter Prospective Cohort Study. *International Congress of Early Onset Scoliosis Annual Meeting. Boston, MA. Nov. 19-20, 2015*
39. Roye BD, Wright ML, Matsumoto H, Yorgova P, McCalla D, Hyman JE, Roye DP, Shah SA, **Vitale MG**. An Independent Evaluation of the Validity of a DNA-Based Prognostic Test for Adolescent Idiopathic Scoliosis. *Scoliosis Research Society Lunchtime Symposium. Minneapolis, MN. Sept. 30-Oct 3, 2015*
40. Hsu A, Matsumoto H, Sullivan M, Trupia EP, Roye BD, Roye DP, **Vitale MG**. Is Serial Derotational Casting an Effective Treatment for Children with Early Onset Scoliosis? *Pediatric Orthopaedic Society of North America.*  *Atlanta, GA. April 29-May 2, 2015*
41. **Vitale MG**, Sullivan M, Trupia EP, Matsumoto H, Flynn J, Sturm PF, Perez-Grueso FS, Roye DP, Skaggs DL. VEPTR versus Traditional Growing Rods: Preliminary Results from a Collaboration between Two National Databases. *Pediatric Orthopaedic Society of North America. Atlanta, GA. April 29-May 2, 2015*
42. Skaggs DL, Pace GI, Wright M, Anderson R, Flynn JM, Lenke LG, Roye DP, Shah SA, **Vitale MG**. Best Practices in Intraoperative Neuromonitoring in Spine Deformity Surgery: A Consensus-Based Approach. *American Academy of Orthopaedic Surgeons. Las Vegas, NV. March 24-28, 2015*
43. **Vitale MG**, Sullivan MP, Trupia EP, Matsumoto H, Garg S, Flynn J, Sturm PF, Perez-Grueso FS, Children’s Spine Study Group Growing Spine Study Group, Roye DP. Prospective Study Comparing the Effects of Proximal Rib Anchors versus Proximal Spine Anchors: Examining Complications, Curve Correction, and Quality of Life. *International Congress on Early Onset Scoliosis and Growing Spine (ICEOS). Warsaw, Poland. November 20-21, 2014*
44. Hsu A, Matsumoto H, Sullivan M, Trupia EP, Roye BD, Roye DP, **Vitale MG**. Effectiveness of Serial Derotational Casting for Treatment of Children with Early Onset Scoliosis. *International Congress on Early Onset Scoliosis and Growing Spine (ICEOS). Warsaw, Poland. November 20-21, 2014*
45. Chan CM, Xu N, Park HY, Hyman JE, **Vitale MG**, Matsumoto H, Roye BD, Roye DP. Effect of Preoperative Indications Conference on Procedural Planning for Treatment of Scoliosis. *International Society of Orthopaedic Surgery and Traumatology (SICOT). Rio de Janeiro, Brazil. November 19-22, 2014*
46. Matsumoto H, Park HY, Trupia EP, Swindell HW, Roye DP, Garg S, Sanders JO, **Vitale M**. Quality of Life and Pulmonary Function is Decreased in Early Onset Scoliosis (EOS) Patients Undergoing Casting; Validating the Early Onset Scoliosis 24 item Questionnaire (EOSQ-24). *International Society of Orthopaedic Surgery and Traumatology (SICOT). Rio de Janeiro, Brazil. November 19-22, 2014*
47. **Vitale MG**, Matsumoto H, The Children’s Spine Study Group, The Growing Spine Study Group, Park HY, McCalla D, Trupia EP, Swindell HW, Roye DP, Flynn JM. Predictive Validity of the Classification for Early Onset Scoliosis (C-EOS): Examining the Timing, Rate, and Severity of Post-Operative Complications. *International Society of Orthopaedic Surgery and Traumatology (SICOT). Rio de Janeiro, Brazil. November 19-22, 2014*
48. **Vitale MG**, Skaggs DL, Pace GI, Wright ML, Matsumoto H, Anderson RCE, Brockmeyer DL, Dormans JP, Emans JB, Erickson MA Flynn JM, Glotzbecker MP, Ibrahim KN, Lewis SJ, Luhmann SJ, Mendiratta A, Richards BS, Sanders JO, Shah SA, Smith JT, Song KM, Sponseller PD, Sucato DJ, Lenke LG, Roye DP. Best Practices in Intraoperative Neuromonitoring (IONM) in Spine Deformity Surgery: Development of a Checklist to Optimize Response. *International Society of Orthopaedic Surgery and Traumatology (SICOT). Rio de Janeiro, Brazil. November 19-22, 2014*
49. Roye BD, Wright ML, Matsumoto H, Yorgova P, Neiss G, Hyman JE, Shah SA, **Vitale MG**, Roye DP. An Evaluation of the Validity of a DNA-Based Prognostic Test for Adolescent Idiopathic Scoliosis. *International Society of Orthopaedic Surgery and Traumatology (SICOT). Rio de Janeiro, Brazil. November 19-22, 2014*
50. Wright ML, Matsumoto H, Woon R, Flynn JM, **Vitale MG**, Skaggs DL, Roye DP. Titanium Spine Implants are Not Associated with Lower Infection Rates. *International Society of Orthopaedic Surgery and Traumatology (SICOT).* *Rio de Janeiro, Brazil. November 19-22, 2014*
51. **Vitale MG,** Matsumoto H, The Children’s Spine Study Group, The Growing Spine Study Group, Park HY, McCalla D, Trupia EP, Swindell HW, Roye DP, Flynn JM. Predictive Validity of the Classification for Early-Onset Scoliosis (C-EOS): Examining the Timing, Rate, and Severity of Post-Operative Complications. *Scoliosis Research Society Annual Meeting. Anchorage, AK. September 10-13, 2014*
52. **Vitale MG**, Pace GI, Wright ML, Matsumoto H, Erickson M, Flynn JM, Glotzbecker M, Ibrahim K, Lewis S, Luhmann S, Richards BS, Sanders JO, Shah SA, Skaggs DL, Smith JT, Song KM, Sponseller PD, Sucato DJ, Roye DP, Lenke LG. Creation of a Consensus-Based Checklist for the Response to Intraoperative Neuromonitoring Changes in Spine Deformity Surgery. *Scoliosis Research Society Annual Meeting*. *Anchorage,* *AK. September 10 – September 13, 2014*
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55. **Vitale MG**, Pace GI, Wright ML, Matsumoto H, Akbarnia B, Dormans JP, Emans JB, Erickson M, Flynn JM, Glassman SD, Glotzbecker M, Ibrahim KN, Lewis SJ, Luhman SJ, McCarthy J, Newton PO, Polly DW, Richards III S, Sanders JO, Shah SA, Skaggs DL, Smith JT, Song KM, Sponseller PD, Sucato DJ, Zeller RD, Roye DP, Lenke LG. Creation of a Consensus-Based Checklist for the Response to Intraoperative Neuromonitoring Changes in Pediatric Spine Surgery. *Annual Meeting of the Pediatric Orthopaedic Society of North America. Hollywood, CA. April 30 - May 3, 2014*
56. **Vitale MG**, Matsumoto H, The Children’s Spine Study Group, The Growing Spine Study Group, Park HY, McCalla D, Trupia EP, Swindell HW, Roye DP, Flynn JW. Predictive Validity of the Classification of Early Onset Scoliosis (C-EOS): Examining the Timing, Rate, and Severity of Post-Operative Complications*. Annual Meeting of the Pediatric Orthopaedic Society of North America. Hollywood, CA. April 30 - May 3, 2014*
57. Roye BD, Wright ML, Matsumoto H, Yorgova P, Neiss G, Hyman JE, Roye DP, Shah SA, **Vitale MG**. An Evaluation of the Validity of a DNA-Based Prognostic Test for Adolescent Idiopathic Scoliosis. *American Academy of Orthopaedic Surgeons Annual Meeting. New Orleans, LA. March 11-15, 2014*
58. **Vitale MG**, Matsumoto H, The Children’s Spine Study Group, The Growing Spine Study Group, Park HY, McCalla D, Trupia EP, Swindell HW, Roye DP, Flynn JW. Predictive Validity of the Classification of Early Onset Scoliosis (CEOS): Examining the Timing, Rate, and Severity of Post-Operative Complications. *Annual Meeting of the Pediatric Orthopaedic Society of North America. Hollywood, CA. April 30 - May 3, 2014*
59. **Vitale MG,** Pace GI, Wright ML, Matsumoto H, Akbarnia B, Dormans JP, Emans JB, Erickson M, Flynn JM, Glassman SD, Glotzbecker M, Ibrahim KN, Lewis SJ, Luhman SJ, McCarthy J, Newton PO, Polly DW, Richards III S, Sanders JO, Shah SA, Skaggs, DL, Smith JT, Song KM, Sponseller PD, Sucato DJ, Zeller RD, Roye DP, Lenke LG. Creation of a Consensus-Based Checklist for the Response to Intraoperative Neuromonitoring Changes in Pediatric Spine Surgery. *Annual Meeting of the Pediatric Orthopaedic Society of North America. Hollywood, CA. April 30 - May 3, 2014*
60. Roye BD, Wright ML, Matsumoto H, Yorgova P, Neiss G, Hyman JE, Roye DP, Shah SA, **Vitale MG**. An Evaluation of the Validity of a DNA-Based Prognostic Test for Adolescent Idiopathic Scoliosis. *Annual Meeting of the Pediatric Orthopaedic Society of North America. Hollywood, CA. April 30 - May 3, 2014*
61. Park HY, Matsumoto H, St. Hilaire T, Pawelek JB, Trupia EP, Swindell HW, Flynn JM, Skaggs DL, Roye DP, **Vitale MG**. The Classification for Early Onset Scoliosis (C-EOS) Identifies Patients at Higher Risk for Complications at 5 Years of Follow Up. *The 7th International Congress on Early Onset Scoliosis and Growing Spine. Sand Diego, CA. November 21-22, 2013*
62. Matsumoto H, Park HY, Trupia EP, Roye DP, Akbarnia BA, Campbell RM, Flynn JM, Garg S, Sanders JO, Smith JT, Yaszay B, Vitale MG. Criterion Validity, Test-Retest Reliability and Internal Consistency Reliability of the Early-Onset Scoliosis 24 Item Questionnaire (EOSQ-24). *The 7th International Congress on Early Onset Scoliosis and Growing Spine. Sand Diego, CA. November 21-22, 2013*
63. Matsumoto H, Trupia EP, Swindell HW, Flynn T, Pawelek JB, Garg S, Glotzbecker MP, Roye DP, Sanders JO, Sturm PF, **Vitale MG**. Quality of Life and Burden of Care in Patients with Early Onset Scoliosis (EOS) Undergoing Casting. *The 7th International Congress on Early Onset Scoliosis and Growing Spine. Sand Diego, CA. November 21-22, 2013*
64. Roye BD, WrightML, Matsumoto H, Yorgova P, Neiss G, McCallaD, HymanJE, RoyeDP, ShahSA, **Vitale MG**. An Independent Evaluation of theValidity of a DNA-Based Prognostic Test for Adolescent Idiopathic Scoliosis (AIS). *Société Internationale de Chirurgie Orthopédique et de Traumatologie. Hyderabad, India. October 17-19, 2013*
65. **Vitale MG**, Hyman JE, Matsumoto H, Park HY, McCalla D, Roye DP, Kanj WJ, Roye DP, Betz RR, Cahill PJ, Glotzbecker MP, Luhmann SJ, Garg S, Sawyer JR, Smith JT, Flynn JM. The Classification for Early Onset Scoliosis (C-EOS) Predicts Timing of VEPTR Anchor Failure. *Société Internationale de Chirurgie Orthopédique et de Traumatologie. Hyderabad, India. October 17-19, 2013*
66. Chan CM, Park HY, Hyman JE, **Vitale MG**, Roye DP, Matsumoto H, Roye BD. Effect of Preoperative Indications Conference on Procedural Planning for Treatment of Scoliosis*. Scoliosis Research Society Annual Meeting. Lyon, France. September 18-21, 2013*
67. **Vitale MG**, Park HY, Matsumoto H, McCalla D, Roye DP, Skaggs DL, Akbarnia, BA. Correction and Complications in the Treatment of EOS: Is there a Difference Between Spine vs. Rib-Based Proximal Anchors? *Scoliosis Research Society Annual Meeting. Lyon, France. September 18-21, 2013*
68. **Vitale MG**, Matsumoto H, Park HY, McCalla D, Roye DP, Kanj WJ, Roye DP, Betz RR, Cahill PJ, Glotzbecker MP, Luhmann SJ, Garg S, Sawyer JR, Smith JT, Flynn JM. The Classification for Early Onset Scoliosis (C-EOS) Predicts Timing of VEPTR Anchor Failure. *Scoliosis Research Society Annual Meeting. Lyon, France. September 18-21, 2013*
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70. Farrington DM, **Vitale M**, Matsumoto H, Tatay Diaz A. Adaptación transcultural y validación de la versión española del EOSQ-24. *XII Congreso Iberolatinoamericano de Columna (SILACO) 2013. Valencia España. 30 de mayo-1 de junio*
71. Park HY, Matsumoto H, St. Hilaire T, Pawelek J, Flynn JM, Skaggs DL, Roye DP, **Vitale MG**. The Classification for Early Onset Scoliosis (C-EOS) Identified Patients at Higher Risk for Complications at 5 Years of Follow Up. *20th International Meeting Advances Spine Techniques (IMAST). Vancouver, BC. July 10-13, 2013*
72. **Vitale MG**, Park HY, Matsumoto H, McCalla DJ, Roye DP, Skaggs DL, Akbarnia BA. Correction and Complications in the Treatment of EOS: Is There a Difference Between Spine vs. Rib-based Proximal Anchors? *Pediatric Orthopaedic Society of North America Annual Meeting. Toronto, CA. May1-4, 2013*
73. Matsumoto H, McCalla D, Park HY, Julie Yoshimachi, Roye BD, Roye DP, Akbarnia BA, Emans J, Skaggs D, Smith JT, **Vitale MG**. The Early-Onset Scoliosis Questionnaire (EOSQ) Reflects Improvement in Quality of Life After Growth Rod Surgery. *2013 Pediatric Orthopaedic Society of North America Annual Meeting. Toronto, CA. May1-4, 2013*
74. Matsumoto H, Tobert D, Romney E, Roye BD, Hyman JE, **Vitale MG**, Roye DP. Cerebral Palsy in the United States: Changing patient Demographics necessitate Transitional and Multidisciplinary Care. *2013 Pediatric Orthopaedic Society of North America Annual Meeting. Toronto, CA. May1-4, 2013*
75. **Vitale MG**, Riedel MD, Glotzbecker M, Matsumoto H, Roye DP, Saiman L. Building Consensus: “Best Practice Guideline” for High Risk Pediatric Spine Surgical Site Infection. *2013 Pediatric Orthopaedic Society of North America Annual Meeting. Toronto, CA. May1-4, 2013*
76. Matsumoto H, Tobert D, Romney E, Roye BD, Hyman J, **Vitale MG**, Roye DP. “An Urgent Need for Multidisciplinary, Transitional and Adult Care in Cerebral Palsy: National and Single Institution Trends.” *6th Triennial Congress of the International Federation of Pediatric Orthopaedic Societies. Toronto, ON, CN. May 2013*
77. **Vitale MG**, Park HY, Matsumoto H, McCalla DJ, Roye DP, Skaggs DL, Akbarnia BA. Correction and Complications in the Treatment of EOS: Is There a Difference Between Spine vs. Rib-based Proximal Anchors? *6th Triennial Congress of the International Federation of Pediatric Orthopaedic Societies. Toronto, ON, CN. May 2013*
78. **Vitale MG.** Conservative Therapy of Scoliosis Revisited. *Hudson Valley New York Physical Therapy Association Mini- Conference. Dobbs Ferry, NY. April 2013*
79. **Vitale MG**, Riedel MD, Glotzbecker M, Matsumoto H, Roye DP, Saiman L. Building Consensus: “Best Practice Guideline” for High Risk Pediatric Spine Surgical Site Infection. *American Academy of Orthopaedic Surgeons Annual Meeting. Chicago, IL. March 2013*
80. **Vitale MG**, Riedel MD, Saiman L, Matsumoto H, Glotzbecker M, Emans JB, Erickson M, Flynn JM, Akbarnia B, Anderson RCE, Brockmeyer DL, Lenke LG, Luhmann SJ, Lewis SJ, Newton PO, Richards BS, Sucato DJ, Shah SA, Skaggs DL, Smith JT, Sponseller PD, Zeller RD, Nyquist A, McLeod L, Roye DP.Building Consensus – Development of a Best Practice Guideline (BPG) in Pediatric Spine SSI Prevention. *Chinese Orthopaedic Association. Beijing, China. November 2012*
81. Matsumoto H, McCalla D, Nair K, Williams BA, Corona J, Roye BD, Roye DP, Akbarnia BA, Emans J, Skaggs D, Smith JT, **Vitale MG**. The Early-Onset Scoliosis Questionnaire (EOSQ) Reflects Improvement in Quality of Life After Growth Rod Surgery. *American Academy of Pediatrics Annual Meeting. New Orleans, LA. October 2012*
82. **Vitale MG**, Riedel MD, Saiman L, Matsumoto H, Glotzbecker M, Emans JB, Erickson M, Flynn JM, Akbarnia B, Anderson RCE, Brockmeyer DL, Lenke LG, Luhmann SJ, Lewis SJ, Newton PO, Richards BS, Sucato DJ, Shah SA, Skaggs DL, Smith JT, Sponseller PD, Zeller RD, Nyquist A, McLeod L, Roye DP.Building Consensus Development of a Best Practice Guideline (BPG) in Pediatric Spine SSI Prevention. *American Academy of Pediatrics Annual Meeting. New Orleans, LA. October 2012*
83. Riedel MD, Glotzbecker M, **Vitale MG**, Roye DP, Matsumoto H, Erickson M, Flynn J, Saiman L. What’s the Evidence? - Systematic Literature Review of Risk Factors and Preventive Strategies for Surgical Site Infections following Pediatric Spine Surgery**.** *American Academy of Pediatrics Annual Meeting. New Orleans, LA. October 2012*
84. Riedel MD, Matsumoto H, Murray M, Covington L, Saiman L, Hyman JE, Roye BD, Roye DP, **Vitale MG**. Do We Comply? Monitoring Antibiotic Prophylaxis in Pediatric Spine Surgery**.** *American Academy of Pediatrics Annual Meeting. New Orleans, LA. October 2012*
85. Matsumoto H, Tobert D, Romney E, Roye B, Hyman J, **Vitale M**, Roye D. An Urgent Need for Multidisciplinary, Transitional and Adult Care in Cerebral Palsy: National and Single Institution Trends. *Combined 33rd International Society of Orthopaedic Surgery and Traumatology and 17th Pan Arab Orthopaedic Association World Conference. Dubai, United Arab Emirates. November 28-30, 2012*
86. Riedel M, Matsumoto H, Murray M, Covington L, Roye B, Hyman J, Roye D, **Vitale M**. Do We Comply? - Antibiotic Prophylaxis in Pediatric Spine Surgery. *Combined 33rd International Society of Orthopaedic Surgery and Traumatology and 17th Pan Arab Orthopaedic Association World Conference. Dubai, United Arab Emirates. November 28-30, 2012*
87. Williams BA, McCalla D, Matsumoto H, Akbamia BA, Blakemore LC, Betz RR, Flynn JM, Johnston CE, McCarthy RE, Roye DP, Skaggs DL, Smith JT, Snyder BD, Sponseller PD, Sturm PF, Thompson GH, Yazici M, **Vitale M**. Introducing the Early Onset Scoliosis Classification System. *Combined 33rd International Society of Orthopaedic Surgery and Traumatology and 17th Pan Arab Orthopaedic Association World Conference. Dubai, United Arab Emirates. November 28-30, 2012*
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Complications in the Treatment of EOS: Is There a Difference Between Spine vs. Rib-based Proximal Anchors? *The* *6th International Congress on Early Onset Scoliosis and Growing Spine. November 15-16, 2012*

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3. Matsumoto H, Tobert D, McCalla D, Hyman J, Roye B, **Vitale M**. Quality of Life Improves After Spinal Deformity Correction in Children with Neuromuscular Disease*. 4th International Cerebral Palsy Conference. Pisa, Italy. October 10-13, 2012*
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19. Gomez JA, Matsumoto H, **Vitale MG**, Colacchio N, Sucato, DJ, Richards III BS, Eman, JB, Erickson MA; Sanders, JO, Lenke LG, Hyman JE. Higher Degrees of Curve Correction Correlate with Worsened Sagittal Balance. *XXV Triennial World Congress, International Society of Orthopaedic Surgery and Traumatology 2011. Prague* *Czech Republic. September 6-9, 2011 & AAP National Conference and Exhibition, Boston, MA. October 14-18, 2011*
20. Miller DJ, Corona J, Downs J, Akbarnia BA, Blakemore LC, Betz RR, Rampbell RM, Johnston CE, McCarthy RE, Roye DP, Skaggs Dl, Smith JT, Snyder BD, Sponseller PD, Sturm PF, Thompson GH, Yazici M, **Vitale MG**, Flynn JM. To Operate or Not Operate? Determining the Optimal Timing of Surgical Intervention for Patients with Early Onset Neuromuscular*.**The 30th Meeting of the European Pediatric Orthopaedic Society. Basel, Switzerland. April 6-9, 2011*
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23. Corona J, Williams BA, Matsumoto H, Comer JS, Fisher PW Neria Y, Roye BD, **Vitale MG**. Psychological Effects of Repetitive Surgeries in Children with Early Onset Scoliosis: Are We Putting Them at Risk? *Pediatric Orthopaedic Society of North America, Montreal, Quebec, Canada. May 11-14, 2011, The 30th Meeting of the European Pediatric Orthopaedic Society. Basel, Switzerland. April 6-9, 2011, AAP National Conference and Exhibition, Boston, MA. October 14-18, 2011& 125th Annual Meeting of American Orthopaedic Association. Washington, DC. June 27-30, 2012*
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38. **Vitale MG**, Jameel O, Roye BD, Matsumoto H, Poon SC, Gomez JA, Hyman JE, Roye Jr. DP. Can Spine Sagittal Measures be assessed dependably from MRI? *123rd Annual Meeting of the American Orthopaedic Association; San Diego, CA, June 9-12, 2010*
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42. **Vitale MG**, Corona J, Matsumoto H, Avendano J, Roye, Jr DP. Development and Initial Validation of a Disease Specific Outcome Measure for Early Onset Scoliosis. *Meeting of the International Research Society of Spinal Deformities. Montreal, Canada. July 1-3, 2010 & European Pediatric Orthopaedic Society Annual Meeting. Lisbon, Portugal. April 1-4, 2009*
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45. **Vitale MG**, Jameel OF, Avendano J, Matsumoto H, Roye BD, Hyman JE, Roye DP Jr. Assessment of Sagittal Plane: Should a Screening MRI be Standard? *17th International Meeting on Advanced Spine Techniques; Toronto, Canada, July 21-24, 2010*
46. **Vitale MG**. Adolescent and Neuromuscular Scoliosis Techniques I. *Biomet Spine Current Techniques in Spinal Deformity Surgery; Denver, Colorado, April, 2010*
47. **Vitale MG**, Jameel OF, Roye BD, Matsumoto H, Poon SC, Gomez JA, Hyman JE, Roye DP Jr. Does Intraoperative Electromyography Monitoring Result in Lowered Misplacement Rates in Pediatric Spinal Deformity Surgery? *The 123rd Annual Meeting of the American Orthopaedic Association; San Diego, CA. June 9-12, 2010, The 8th International Research Society of Spinal Deformities. Montreal, Quebec, Canada. July 1-3, 2010 & 17th International Meeting on Advanced Spine Techniques, Toronto, Canada, July 21-24, 2010*
48. **Vitale MG**. Clinical Implications of Derotation and Current Techniques for Derotation. *Biomet Spine Current Techniques in Spinal Deformity Surgery; Denver, Colorado, April 2010*
49. **Vitale MG**. AIS Outcomes: An Evidence Base Review. *Biomet Spine Current Techniques in Spinal Deformity Surgery; Denver, Colorado, April 2010*
50. Roye DP Jr, Jameel OF, **Vitale MG**, Roye BD, Hyman JE. Factors affecting Distal End & Global Decomposition in Coronal/Sagittal Planes 2 year after Fusion. *American Academy of Orthopaedic Surgeons Annual Meeting, at the Morial Convention; New Orleans, Louisiana, March 9-13, 2010*
51. **Vitale MG**, Avendano J, Jameel OF, Matsumoto H, Roye BD, Hyman JE, Roye DP. The Value of MRI in Assessing Thoracic Kyphosis. *American Orthopaedic Association. San Diego, CA. June 9-12, 2010*
52. Corona J, Sanders J, Juhmann S, Diab M, Matsumoto H, **Vitale M**. The Rib Vertebral Angle Difference- Is It a Reliable Measure? *3rd International Congress on Early Onset Scoliosis and Growing Spine. Istanbul, Turkey. November 20-21, 2009*
53. Matsumoto H, Corona J, **Vitale MG**, Clayton-Krasinski D, Gomez JA, Hyman JE, Roye DP. Impact on Personal Time in Parents of Children with Neuromuscular Disease. *American Academy of Pediatrics National Conference and Exhibition. Washington, DC. October 17-20, 2009 & European Pediatric Orthopaedic Society Annual Meeting Lisbon, Portugal. April1-4, 2009*
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55. Jameel OF, **Vitale MG**, Matsumoto H, Roye BD, Hyman JE, Roye DP. The Value of MRI in Assessing Thoracic Kyphosis. *American Academy of Pediatrics National Conference and Exhibition. Washington, DC. October 17-20, 2009*
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62. **Vitale, MG**. Syndromes and Bad Bone Concepts and Controversies. *International Pediatric Orthopaedic Society Annual Meeting; Orlando, Florida, December 1-5, 2009*
63. **Vitale, MG.** Making the Spine “Loose.” How to and How Much? *Pediatric Orthopaedic Society of North America. Boston, MA, April 2009*
64. **Vitale, MG.** Early Onset Scoliosis: Obstacles to Innovation. *AdvaMed’s Medical Technology Learning Institute Conference on Pediatric Medical Device Innovation, Regulation, and Legislation. April 2008*
65. **Vitale MG**, Emerson RR, Booker WA, Matsumoto H, Gomez JA, Moore D, Gallo E, Hyman JE, Klinge JE, Klinge S, Roye DP. Risk Factors for Spinal Cord Injury During Deformity Surgery: A Detailed Analysis of Somatosensory (SSEP) and Motor Evoked Potential (MEP) in 162 Consecutive Patients. *North American Spine Society Annual Meeting. Toronto, Ontario, Canada. October 14-18, 2008*
66. Gomez JA, Matsumoto H, Moore D, Hyman JE, Roye DP, **Vitale MG**. Risk Factors for Spinal Cord Injury During Spinal Deformity Surgery: An Analysis of SEP and MEP Monitoring. *American Academy of Pediatrics National Conference and Exhibition. Boston, MA, October 11-14, 2008*
67. Kaufman BE, Klinge SA, Avendano J, **Vitale MG**, Gomez JA, Hyman JE, Matsumoto H, Roye DP. Femoral Valgus with or Without Salter Osteotomy is Effective for Advanced Femoral Head Osteonecrosis in Pediatric Patients. *American Academy of Pediatrics National Conference and Exhibition. Boston, MA. October 11-14, 2008*
68. **Vitale MG**, Matsumoto H, Clayton-Krasinski D, Hyman JE, Klinge SA, Gomez JA, Avendano J, Roye DP. Quantifying the “Burden of Care” for parents with Children with Neuromuscular Disease. *American Academy for Cerebral Palsy & Developmental Medicine Annual Meeting. Atlanta, GA September 17-20, 2008*
69. **Vitale MG**, Klinge SA, Matsumoto H, Clayton-Krasinski D, Hyman JE, Klinge SA, Gomez JA, Avendano J, Roye DP. A Rapid Comprehensive Quality of Life Assessment in Children with Neuromuscular Disease. *American Academy for Cerebral Palsy & Developmental Medicine Annual Meeting. Atlanta, GA. September 17-20, 2008*
70. **Vitale MG**, Matsumoto H, Prince DE, Gomez JA, Avellino BA, Roye DP, Spinal Deformity Study Group. Rod Diameter affects Sagittal but Not Frontal Plane Curve Correction: An Analysis of Post-Operative Outcomes of 1,019 Patients with Adolescent Idiopathic Scoliosis. *15th International Meeting on Advanced Spine Techniques. Hong Kong, China. July 8-11, 2008*
71. Roye DP, **Vitale MG,** Privitera DM, Matsumoto H, Gomez JA, Hyman JE. Pedicle Screw Placement in Pediatric Scoliosis Surgery: Do non-Idiopathic Patients Have Higher Misplacement Rates? *International Meeting on Advanced Spine Techniques Meeting, Hong Kong, July 8-11, 2008*
72. Avendano J, Klinge SA, Matsumoto H, Roye DP, Hyman JE, **Vitale MG**. Brace Wearing in Adolescents with Idiopathic Scoliosis: A Randomized Evaluation of Compliance Monitoring. *American Academy of Pediatrics National Conference and Exhibition; Boston, MA. October 11-14, 2008*
73. Klinge SA, **Vitale MG**, Matsumoto H, Clayton-Krasinski D, Avendano J, Hyman JE, Roye DP. Development and Initial Validation of the Neuromuscular Disease Caregiver Administered Rapid Evaluation (MD-Care). *American Academy of Pediatrics National Conference Exhibition; Boston, MA, October 11-14, 2008*
74. **Vitale MG,** Gomez JA, Matsumoto H, Betz RR, Campbell RM, Emans JB, Flynn J, Ramirez N, Snyder BD, Sturm PF, Song K, Smith JT, Shilt J, Roye DP. Variability in Treatment Decision for early Onset Scoliosis. *15th International Meeting on Advanced Spine Techniques. Hong Kong, China. July 8-11, 2008*
75. **Vitale MG**, Moore DW, Emerson RG, Matsumoto H, Gomez JA, Booker WA, Chambers KL, Spencer HT, Gallo EJ, Hymen JE, Roye DP. Risk Factors for Spinal Cord Injury During Spinal Deformity Surgery: A Detailed Analysis of Somatosensory and Motor Evoked Potential (SEP and MEP) in 162 Consecutive Patients. *15th International Meeting on Advanced Spine Techniques. Hong Kong, China. July 8-11, 2008*
76. **Vitale MG**, Gomez JA, Roye DP, Hyman JE, Matsumoto H, Marangoz S, Van Bosse HJP, Feldman DA. Hip Distraction Arthroplasty: Treatment for Devastating Hip Pathology of the Pediatric Femoral Head. *Annual Meeting of the American Academy of Orthopaedic Surgeons. San Francisco, CA. March 5-9, 2008*
77. Roye DP Jr, **Vitale MG**, Matsumoto H, Prince DE, Gomez JA, Avellino AA, Hyman JE, and the Spinal Deformity Group. Retrospective Cohort Study of Rod Diameter: Outcomes after Correction of Spinal Deformity. *International Meeting on Advanced Spine Technique Meeting; Hong Kong, July 8-11, 2008*
78. **Vitale MG**, Matsumoto H, Gomez JA, Betz R, Campbell R, Emans J, Flynn J, Ramirez N, Snyder B, Sturm P, Song K, Smith J, Shilt J, Roye DP Jr. Treatment Decision Variability for Congenital Scoliosis and Thoracic Insufficiency Syndrome. *American Academy of Pediatrics National Conference and Exhibition. San Francisco, CA.*  *October 27- 30, 2007, 1st International Congress on Early Onset Scoliosis & Growing Spine. Madrid, Spain.*  *November 2-3, 2007 & International Meeting on Advanced Spine Techniques. 15th International Meeting, July 8-11, 2008, Hong Kong*
79. **Vitale MG,** Gomez JA, Roye DP Jr, Hyman JE, Matsumoto H, Marangoz SA, Van Bosse HJP, Feldman DS. Articulated Hip Distraction Arthroplasty: A Treatment Option for Avascular Necrosis of the Femoral Head: Case Series. *Limb Lengthening & Reconstruction Society Annual Scientific Meeting. Chicago, IL. July 20-22, 2007, American Academy of Pediatrics National Conference and Exhibition. San Francisco, CA. October 27-30, 2007, American Academy of Orthopaedic Surgeons Annual Meeting; San Francisco, CA, March 5-9, 2008, European Pediatric Orthopaedic Society 28th Annual Meeting; Poland, Warsaw*, *April 9-12th, 2008, Pediatric Orthopaedic Society of North America Annual Meeting. Albuquerque, NM. April-May3, 2008 & 2nd Combined meeting of the American Orthopaedic Association and the Canadian Orthopaedic Association; Quebec City, Quebec*, *June 4-7, 2008*
80. **Vitale MG**, Moor DW, Emerson RG, Matsumoto H, Gomez JA, Booker WA, Hyman JE, Roye DP Jr. MEP/SSEP Monitoring in Spinal Deformity Surgery: Incidence and Factors Leading to Significant Electrophysiologic Events. *2nd Combined Meeting of the American Orthopaedic Association and Canadian Orthopaedic Association; Quebec City , Quebec, June 4-7, 2o08 & European Pediatric Orthopaedic Society 28th Annual Meeting; Warsaw, Poland, April 9th12th, 2008*
81. Feldman DS, Van Bosse HJP, **Vitale MG**, Hyman JE, Gomez JA, Sala DA, Stein MI. Correction of Femoral Deformity using Six-Axis Analysis and Circular External Fixator. 2nd Combined meeting of the American Orthopaedic Association and the Canadian Orthopaedic Association; Quebec City, Quebec, June 4-7, 2008 & Pediatric Orthopaedic Society of North America Annual Meeting; Albuquerque, New Mexico, April30th- May 3rd, 2008
82. Hyman JE, Gomez JA, Matsumoto H, **Vitale MG**, Kaufman BE, Roye DP Jr. Femoral Valgus Osteotomy for Advanced Femoral Head Osteonecrosis ad Perthes Disease in Children and Adolescents. *2nd Annual Orthopaedic Association and the Canadian Orthopaedic Association; Quebec City, Quebec, June 4-7, 2008, European Pediatric Orthopaedic Society 28th Annual Meeting, Warsaw, Poland. April 9th-12th, 2008 & Pediatric Orthopaedic Society of North America Annual Meeting April 30th – May 3rd, 2008, Albuquerque, New Mexico*
83. Roye DP Jr, Gomez JA, Kaufman B, Addonizio L, Hyman JE, **Vitale MG**. Surgical Correction of Spinal Deformities after Heart Transplantation: A Case Series Report. *European Pediatric Orthopaedic Society 28th Annual Meeting; Warsaw, Poland, April 9th-12th, 2008*
84. **Vitale MG,** Gomez JA, Matsumoto H, Roye DP Jr and Chest Wall and Spine Deformity Group. Assessment of Construct Variability Among Experienced Vertical Expandable Prosthetic Titanium Rib (VEPTER) users. *Early Onset Scoliosis & Growing Spine; Madrid, Spain, November 2-3, 2007, International Meeting on Advanced Spine Techniques Annual Meeting Paradise Island, The Bahamas, July 11-14, 2007 & American Academy of Pediatrics Annual Meeting; Boston MA. October 11-14, 2008*
85. Matsumoto H, Hyman JE, **Vitale MG**, Roye DP. Epidemiology of Hospitalization Among Patients with Cerebral Palsy in the United States from 1979 through 2003, *Annual Meeting of the American Academy of Orthopaedic Surgeons Annual Meeting in Vancouver, Canada 2007, American Academy of Pediatrics National Conference and Exhibition. San Francisco, CA. October 27-30, 2007, European Pediatric Orthopaedic Society 28th Annual Meeting; Poland, Warsaw, April 9th-12th, 2008, Pediatric Orthopaedic Society of North America Annual Meeting; Albuquerque, New Mexico, April 30-May 3rd, 2008 & 2nd Combined Meeting of the American Orthopaedic Association and the Canadian Orthopaedic Association, Quebec City, Quebec. Jun 4-7th, 2008*
86. **Vitale MG**, Roye DP Jr, Matsumoto H, Randal BR, Emans JB, Skags DL, Smith JT, Song KM, Compbell RM. Health Related Quality of Life in Children with Thoracic Insufficiency Syndrome. *International Meeting on Advanced Spine Techniques Annual Meeting Athens, Greece July 2006, International Society of Quality of Life Research Annual Meeting Lisbon, Portugal, October, 2006, American Academy of Orthopaedic Society Annual Meeting; San Diego, California, Feb 14-18, 2007, European Pediatric Orthopaedic Society Annual Meeting; Sorrento, Italy, April 2007, American Orthoapedic Association Annual Meeting; Asheville, NC, June 2007, Scoliosis Research Society Annual Meeting; Edinburgh, Scotland, September 5-8, 2007 & 1st International Congress on Early Onset Scoliosis & Growing Spine; Madrid Spain, November 2-3, 2007*
87. Dellenbaugh S, Hyman JH, Matsumoto H, Morcuende J, **Vitale MG**. A Comparison of Patient-Based Outcomes in Clubfoot Treatment: A Long Term Follow up Study. *American Academy of Pediatrics; Atlanta, Georgia, October 710, 2006– Second Place Award for Best Resident Paper, American Academy of Pediatrics National Conference and Exhibition; Atlanta, Georgia, October 7-10, 2006, International Society of Quality of Life Research Annual Meeting, Lisbon, Portugal, October 2006, American Academy of Orthopaedic Surgeons Annual Meeting; San Diego, California, February 2007, European Pediatric Orthopaedic Society Annual Meeting; Sorrento, Italy, April 2007 Pediatric Orthopaedic Society of North America Annual Meeting; Hollywood, Florida. May 2007 & American Orthopaedic Association Annual Meeting; Asheville, North Carolina. June 2007*
88. **Vitale MG,** Matsumoto H, Privitera David, Hyman JEH, Waters LM, Roye DP Jr. The Efficacy of Preoperative Erythropoietin Administration in Pediatric Neurogenic Scoliosis Patients. *International Meeting on Advanced Spine Techniques Annual Meeting, Athens, Greece, July 2006, Scoliosis Research Society, Monterey, California, September 2006, American Academy of Pediatrics National Conference and Exhibition, Atlanta, Georgia, October 2006, American Academy of Orthopaedic Surgeons Annual Meeting San Diego, California, February 2007, European Pediatric Orthopaedic Society Annual Meeting, Sorrento, Italy, April 2007 & Pediatric Orthopaedic Society of North*  *America Annual Meeting, Hollywood, FL, May 2007*
89. Roye DP, Matsumoto H, Bye MR, Hyman JH, Gomez JA, Booker WA, **Vitale MG**. A Retrospective Cohort Study of Pulmonary Function, Radiographic Measures and Quality of Life in Children with Congenital Scoliosis: An Evaluation of Patient Outcomes after Traditional Spine Surgery. *International Meeting on Advanced Spine Techniques Annual Meeting, Athens, Greece, July 2006, Scoliosis Research Society Annual Meeting, Monterey, California, September 2006, American Academy of Pediatrics National Conference and Exhibition, Atlanta, GA, October 2006, International Society of Quality of Life Research Annual Meeting, Lisbon, Portugal, October 2006, Annual Meeting of the European Spine Society. Istanbul, Turkey. October 25-28, 2006, European Pediatric Orthopaedic Society Annual meeting, Sorrento, Italy, April 2007, Pediatric Orthopaedic Society of North America Annual Meeting Hollywood, FL, May 2007, Eurospine Meeting, Brussels, Belgium, October 3-6, 2007 & 1st International Congress on Early Onset Scoliosis & Growing Spine Madrid, Spain, November 2-3, 2007*
90. Kurylo J, Hyman JE, Matsumoto H, **Vitale MG**, Spellman M. The Effect of Child Temperament on the Outcome of Idiopathic Clubfoot Treatment by the Ponseti Method. *American Academy of Pediatrics National Conference and Exhibition; Atlanta, Georgia, October7-10, 2006*
91. Skaggs DL, Ramachandran M, Crawford H, Eastwood D, Lalonde F, **Vitale MG**, Tharani R, Kay R. Delaying the Treatment Supracondylar Fractures: Has the Pendulum Swung too Far? *Pediatric Orthopaedic Society of North America; San Diego, California, May 3rd, 2006*
92. Vitale MA, Heyworth BE, Skaggs DL, Roye DP Jr, Lipton CB, **Vitale MG.** Comparison of the Volume of Scoliosis Surgery Between Spine and Pediatric Orthopaedic Fellowship-Trained Surgeons in New York and California. *European Pediatric Orthopaedic Society Annual Meeting; Dresden, Germany, April 5-8, 2006*
93. Lowenstein JE, Matsumoto MA, **Vitale MG**, Weidenbaum MD, Lee FY, Hyman JE, Roye DP Jr. Coronal Sagittal Plane Correction in Adolescent idiopathic Scoliosis: A Comparison Between Thoracic Pedicle Screw and Hook Constructs. 12th International Meeting on Advanced Spine Techniques. Banff, Canada. July 7-9, 2005, *American Academy of Pediatrics national Conference and Exhibition. Washington, DC. October 8-11, 2005, American Academy of Orthopaedic Surgeons Annual Meeting. Chicago, IL, March 22-26, 2006, European Pediatric Orthopaedic Society Annual Meeting; Dresden, Germany, April 5-8, 2006 & Pediatric Orthopaedic Society of North America Annual Meeting; San Diego, California, May 3, 2006*
94. **Vitale, MG**. Matsumoto H, Privitera DM, Hyman JE, Waters LM, Roye DP Jr. The Efficacy of Preoperative Erythropoietin Administration in Pediatric Neurogenic Scoliosis Patients. *American Academic of Orthopaedic Surgeons Annual Meeting; Chicago, Illinois, March 2006, American Academy of Pediatrics National Conference and Exhibition. Atlanta, GA. October 7-10, 2006 & European Pediatric Orthopaedic Society Annual Meeting. Sorrento, Italy. April 11-14, 2007*
95. Gross JM, **Vitale MG**. The Epidemiology of Pediatric Spinal Cord Injury in the US. *Pediatric Orthopaedic Society of North America. Ottawa, Ontario, Canada. May 13-15, 2005, World Spine III: An Interdisciplinary Congress on Spine Care. Rio De Janeiro, Brazil. July 31-August 3, 2005, American Academy of Pediatrics National Conference and Exhibition. Washington, DC. October 8-11, 2005 & American Academy of Orthopaedic Surgery Annual Meeting; Chicago, Illinois, March 2006*
96. **Vitale MG**, Roye DP Jr, Matsumoto H, Roye E. Perspectives on Pediatric Orthopaedic Outcomes; A Comparison of Parents’ and Children’s Quality of Life. *Annual Assistant Professor Pediatric Research Symposium, New York, New York, November 30, 2005 & Pediatric Research Symposium Annual Meeting, 2006*
97. **Vitale, MG**, Lehmann CL, Skaggs Dl, Rice CN, Kay RM, Killelea BK, Bauer RM. Access to Orthopaedic Care for Children with Medicaid Versus Private Insurance: Results of a National Survey. *Pediatric Research Symposium, Annual Meeting, 2006*
98. Hyman JE, Jawetz St, Matsumoto H, Choe JC, **Vitale MG**. Impact of Pediatric Orthopaedic Injuries and Treatment on School Attendance. *Pediatric Orthopaedic Society of North America. Ottawa, Ontario, Canada. May 13-15, 2005 & American Academy of Orthopaedic Surgeons. Chicago IL, March 22-26, 2006*
99. Lehmann, Loder R, **Vitale MG**. The Epidemiology of SCFE: An Update. *American Academy of Pediatrics; San Francisco, California, 2004 & American Academy of Orthopaedic Surgeons Annual meeting; Washington, DC. March 2005*
100. Vitale MG, Matsumoto H, Roye DP. Quality of Life as Measured by the CHQ in Patients Undergoing VEPTR: A Preliminary Review of Available IDE Data. *Pediatric Orthopaedic Society of North America Annual Meeting. Ottawa, Ontario, Canada. May 13-15, 2005*
101. Subeh M, Hyman JE, Choe J, Roye DP, **Vitale MG**. Use of rhEPO in Patients with Neurogenic Scoliosis: A

Randomized Controlled Trial. *American Academy of Pediatrics; San Francisco, California, 2004*

1. Heyworth BE, Galano GJ, Vitale MA, **Vitale MG**. Treatment of Closed Femoral Shaft Fractures in Children, Ages 6-10: National Practice Patterns & Emerging Trends. *American Academy of Orthopaedic Surgeons Annual Meeting; San Francisco, California, 2004*
2. Heyworth BE, Lipton CB, Skaggs Dl, Vitale MA, **Vitale MG**. Operative Treatment of Scoliosis in New York State by Surgeons with Pediatric cs. Spine Fellowship Training. *American Academy of Pediatrics Annual Meeting; New Orleans, Louisiana, November 2003, American Academy of Orthopaedic Surgeons Annual Meeting; San Francisco, California, 2004 & Pediatric Orthopaedic Society of North America Annual Meeting; Ottawa, California, 2005 Winner of Best Clinical Scientific Paper*
3. Galano GJ, Vitale MA, Kessler MW, Hyman JE, **Vitale MG**. In-Patient Pediatric Trauma: The Most Frequent Traumatic Orthopaedic Injuries from a National Pediatric Inpatient Population. *American Academy of Pediatrics; New Orleans, Louisiana, November 2003 & American Academy of Orthopaedic Surgeons Annual Meeting; San Francisco, California, 2004*
4. Vitale MA, Skaggs DL, Heyworth BE, Roye DP Jr, **Vitale MG**. What is the “Best” Setting for Training for Scoliosis Surgery? A Comparison of Surgical Experience of Spine vs. Pediatric Fellows in California. *American Academy of Pediatrics Annual Meeting; New Orleans, Louisiana, November 2003 & American Academy of Orthopaedic Surgeons Annual Meeting; San Francisco, California, 2004*
5. Heyworth BE, Galano GJ, Vitale MA, **Vitale MG**. Treatment of Closed Femoral Shaft Fractures in Children, Ages 6-10: National Practice Patterns & Emerging Trends. *American Academy of Pediatrics; New Orleans, Louisiana, November 2003*
6. **Vitale MG**, Choe JC, Vitale MA, Hyman JE, Roye DP Jr, Skaggs DL, Schmitz ML, Sponseller PD, Flynn JM. Towards a National Pediatric Musculoskeletal Trauma Outcomes Registry. *American Academy of Pediatrics Annual Meeting; New Orleans, Louisiana, November 2003 & American Academy of Orthopaedic Surgeons Annual Meeting; San Francisco, California, February, 2004*
7. Dayan PS, **Vitale MG**, Ruzal-Shapiro C, Langsam D, Kuppermann N, Miller SZ. Derivation of Clinical Prediction Rules for Identifying Children with Significant Fractures after Twisting Injuries of the Ankle. American Academy of Pediatrics Annual Meeting; New Orleans, Louisiana, November, 2003
8. Klepps S, Lin J, Cahlon O, Kramer A, Hayes P, **Vitale MG**, Bigliani LU, Flatow E. Assessment of the Effect of Rotator Cuff Integrity on the Outcome Following Open Rotator Cuff Repair. *AOSSM Annual Meeting; San Diego, California, July 20-23, 2003 & American Academy of Orthopaedic Surgeons Annual Meeting; New Orleans, Louisiana, Feb5-9, 2003*
9. Skaggs Dl, Bauer S, Clemons S, Kay R, **Vitale MG**. Access to Timely Orthoapedic Care: results from a National Survey. *American Academy of Pediatrics, 2nd place Award for Best Paper; Boston, Massachusetts, October 20, 2002 & American Academy of Orthopaedic Surgeons Annual Meeting; New Orleans, Louisiana, February 5-9, 2003*
10. Vitale MA, Choe J, Sesko A, Hyman JE, Lee FY, Roye DP, **Vitale MG**. Effect of Leg Length Discrepancy on Health Related Quality of Life: Is the 2cm Rule Appropriate? *American Academy of Pediatrics- 3rd Place Award for Best Paper; Boston, Massachusetts, October 20, 2002 & American Academy of Orthopaedic Surgeons Annual Meeting; New Orleans, Louisiana, February 5-9, 2003*
11. **Vitale MG**, Ugwonali O, Lomas G, Choe JC, Hyman JE, Lee FY, Roye DP. Effect of Bracing on the Quality of Life of Adolescents with idiopathic Scoliosis. *American Academy of Pediatrics; Boston, Massachusetts, October 20, 2002 & 6th International Congress on Spinal Surgery Ankara; Ankara, Turkey, September 5-7th, 2000*
12. **Vitale MG**, Storer SK, Choe JC, Hyman JE, Lee FY, Roye DP. Correction of Adolescent Idiopathic Scoliosis Using Thoracic Pedicle Screws Versus Traditional Hook Constructs. *6th International Congress on Spinal Surgery; Ankara, Turkey, September 5-7th, 2000*
13. Vitale MA, Arons RA, Choe JC, Hyman JE, Skaggs DL, Roye DP Jr, **Vitale MG**. Practice Patterns and Surgical Outcomes of Spinal Fusion in the State of California: A Five Year Review of 92,372 Spinal Fusions. *6th International Congress on Spinal Surgery; Ankara, Turkey, September 5-7th, 2000, American Academy of Pediatrics; Boston, Massachusetts, October 20, 2002 & World Spine II; Chicago, Illinois, August 10-13, 2002*
14. **Vitale MG**, Vitale MA, Choe L, Hyman JE, Lee FY, Roye DP. Patient Based Outcomes Following Clubfoot Surgery: A Long Term Follow up Study. *American Academy of Pediatric; San Francisco, California, November 2001 & American Academy of Orthopaedic Surgeons Annual Meeting; Dallas, Texas, February 13-18, 2002*
15. **Vitale MG**, Nanda R, Skaggs DL, Kay R, Reynolds RA, Tolo VT. Pediatric Pelvic Fractures: An Exploration of Patient Based Outcomes. *American Academy of Pediatrics; San Francisco, California, November 2001 & American Academy of Orthopaedic Surgeons Annual Meeting; Dallas, Texas, February 13-18, 2002*
16. **Vitale MG**, Kay, Reynold R, Tolo VR, Skaggs Dl. Volume Outcome Relationships in Pediatric Pelvic Fractures: An Analysis of 1196 Pediatric Pelvic Fractures in the National Pediatric trauma Registry. *American Academy of Pediatrics; San Francisco, California, November 2001*
17. Choe J, **Vitale MG**, Spellman M, Roye DP Jr. Perspectives on Pediatric Outcomes: A Comparison of Physician’s Parent’s and Pediatric Patient’s Rating of Outcomes Following Orthopaedic Intervention. *American Academy of Pediatrics; San Francisco, California, November 2001*
18. **Vitale MG**, Levy DE, Choe J, Choi H, Parks M, Roye DP Jr. A Risk Adjusted Model for Predicting Blood Transfusion in Pediatric Patients Undergoing Spine Surgery: A Review of 400 Patients. *American Academy of Pediatrics; Chicago, Illinois, October 2000*
19. **Vitale MG**, Bauer B, J Choe, Huang M, Hyman JE, Lee FL, Roye DP Jr. Perioperative use of Toradol In Adolescent Spine Surgery: An Examination of Complications and Fusion Rates. *Pediatric Orthopaedic Club of New York Society, 2000 & American Academy of Pediatrics; Chicago, Illinois, October 2000*
20. **Vitale MG,** Levy DE, Gelijns AC, Moskowitz AJ, Hyman JE, Roye DP Jr. Pediatric Spine Deformity: How Do we Assess Quality of Life Impact? *American Academy of Pediatrics; Washington, DC, October 1999 & 6th international Congress on Spinal Surgery; Ankara, Turkey, September 5-7th, 2002*
21. **Vitale MG**, Levy DE, Gelijns AC, Moskowitz AJ, Hyman JE, Roye DP Jr. Assessment of health Status in patients with Cerebral Palsy: What is the Role of Quality of Life Measures? *Scoliosis Research Society; San Diego, California, September, 1999 & European Pediatric Orthopaedic Society Annual Meeting; Milan, Italy, April 2000*
22. **Vitale MG**, Levy DE, Moskowitz AH, Gelijns AC, Spellman M, Verdisco L, Roye DP. Capturing Quality of Life in Pediatric Orthopaedics: Two Recent Measures Compared. *National Association of Spine Surgeons; San Francisco, California, October 1998 & 14th Annual meeting of the International Society of Technology Assessment in Health Care; Ottawa, California, May 1998*
23. **Vitale MG,** Roye B, Gelijns AC, Roye DP. Measurement of Health Status in Adolescent Orthopaedic Patients:

An Exploration of Two Different Measures. *13th Annual Meeting of the International Society of Technology Assessment in Health Care; Barcelona, Spain, May 1997 & Biannual Meeting of the Association of Orthopaedic Associations of The English Speaking World; Auckland, New Zealand, March 1998*

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2. **Vitale MG,** Schweppe MW, Levy DE, Gelijns AC, Clifford E, Pollack RG, Bigliani, LU, Flatow EL. Rotator Cuff Repair: Assessing the Impact on Quality of Life. *American Academy of Orthopaedic Surgeons Annual Meeting; San Francisco, California, February 13- 18, 1997*
3. **Vitale MG**, Stazzone EJ, Gelijns AC, Moskowitz AH, Roye DP. The Effectiveness of Preoperative Erythropoietin in Avoiding Allogeneic Blood Transfusion among Children undergoing Scoliosis Surgery. *European Pediatric Orthopaedic Society Annual Meeting; Heidelberg, Germany, April 1997 & American Academy of Orthopaedic Surgeon Annual Meeting; Boca Raton, Florida, June 12-15, 1997*
4. Roye B, **Vitale MG**, Roye DP, Gelijns AC, Moskowitz AJ. Preoperative Erythropoietin: A Decision Model for Long Term Outcomes. *13th Annual Meeting of the International Society of Technology Assessment in Health Care; Barcelona, Spain, May 1997 & American Academy of Orthopaedic Surgeons Annual Meeting; San Francisco,* *California, February 13-18th, 1997*
5. **Vitale MG**, Higgs GB, Roth N, Liebling MS, Roye DP. Superior Mesenteric Artery Syndrome After Segmental Spinal Instrumentation; A Biomechanical Analysis. *Scoliosis Research Society; Portland, Oregon, September 1994 & European Pediatrics Orthopaedic Surgeons Annual Meeting, Brussels, Belgium; April 1995*
6. Schweppe MW, **Vitale MG**, Michelsen CB, Rosenwasser MP. Cannulated Screws vs. Sliding Hip Screw for Femoral Neck Fracture: A functional Outcome Analysis. *American Academy of Orthopaedic Surgeons Annual Meeting; San Francisco, California, February 13-18, 1997*
7. Schweppe MW, **Vitale MG**, Sollano J, Michelsen CB, Rosenwasser MP. Unipolar vs. Bipolar Hemiarthroplasty for Femoral Neck Fracture in Elderly Patients. A Functional Outcome Analysis. *International Society for Fracture Repair 5th Biennial Meeting; Ottawa-Aylmer, Canada, September 18-21, 1996 & American Academy of Orthopaedic Surgeons Annual Meeting; San Diego, California, February 13-18th, 1997*
8. Schweppe MW, Sollano JA, **Vitale MG**, Michelson CB, Rosenwasser MP. Unipolar vs. Bipolar Hemiarthroplasty for Femoral Neck Fracture in Elderly Patients: Factors Affecting Mortality. *Orthopaedic Trauma Association Annual Meeting, 1996*
9. **Vitale MG**, Gelijns AC, Roye B, Roye DP. Assessment of Patient Outcome Following Pediatric Orthopaedic Intervention: The Case of Clubfoot Surgery. *European Pediatric Orthopaedic Society Annual Meeting, April 1995 & International Society of Technology Assessment in Health Care; Stockholm Sweden, June 1995*
10. Colman WW, **Vitale MG,** Cannon WD. Interactive Orthopaedic Education: The Case of Meniscal Repair. *American Academy of Orthopaedic Surgeons Annual Meeting; Orlando, Florida, February 1995*
11. Stazzone E, **Vitale MG**, Mow VC, Ratcliffe A. Effects of Mechanical Load on Gene Expression in Bovine Articular Cartilage. *12th Annual Eastern Conference in Proteoglycan Metabolism; Edison, New Jersey, September 1994*