

# Michael Vitale, M.D., MPH

Curriculum Vitae

**OFFICE ADDRESS** Morgan Stanley Children's Hospital of New- York Presbyterian  
Columbia University Medical Center  
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[www.childrensorthopaedics.com](http://www.childrensorthopaedics.com)

**Date of Preparation** May 2016

## ACADEMIC TRAINING

August 1985-May 1989 Trinity College, Hartford, CT  
B.S., Biology /Psychology Double Major  
Honors Thesis: *Developmental Interactions between the Dopamine and Opioid System*  
August 1989-May 1995 M.D., Columbia University College of Physicians and Surgeons, Columbia College, New York, New York  
August 1989-May 1995 M.P.H., Columbia University School of Public Health, New York, New York  
*Concentration in Outcome Studies*

## POSTDOCTORAL TRAINING

August 1994-August 2000 *Post-Doctoral Orthopaedic Research Fellow*, Columbia University Medical Center, New York, New York  
August 1995-August 1996 *Internship*, General Surgery, Columbia University Medical Center, New York, New York  
August 1996-August 2000 *Resident*, Department of Orthopaedic Surgery, Columbia University Medical Center, New York, New York  
August 2000-August 2001 *Fellow*, Pediatric Orthopaedic Surgery, The Children's Hospital of Los Angeles under Vernon Tolo, MD

## Licensure

June 30, 1989-Present New York State Medical License #203658-1  
April 24, 2007-Present Connecticut State Medical License #045315

## Board Certification

July 11, 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 Health Volunteers Overseas  
2012-Present International Pediatric Orthopedic Think Tank (IPOTT)

## 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 Department of Orthopaedic Surgery and InCHOIR, 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 2013-Present Co- Director, Division of Pediatric Orthopaedics  
*Morgan Stanley Children's Hospital of New York Presbyterian*
- June 2008-Present Associate 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  
*Morgan 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 Orthopaedic Surgery  
*Lutheran Medical Center  
Brooklyn, New York*

**HONORS**

- 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.*
- 2011-2015      **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           **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 31<sup>st</sup>, 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 Presbyterian 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*

#### **FELLOWSHIP AND GRANT SUPPORT**

2016 -2017 **Children's Spine Foundation Research Grant**  
*Title: Ellipse MCGR Equipoise Project*  
Principal Investigator: Michael Vitale; Co-I: Hiroko Matsumoto. Amount: \$13,935.00

- 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; \$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
- 2015-2016 **Children's Spine Foundation Research Grant** *Title: Development of a Risk Severity Score for the Prediction of Postoperative Complications in EOS Patients Undergoing Spinal Deformity Surgery*  
Principal Investigator: Michael Vitale; Co-I: Hiroko Matsumoto. Amount: \$8,557.00
- 2014-2015 **BroadWater, LLC Research Grant** *Title: Measuring Variability in Outcomes and Processes and Creating Quality Improvement Feedback Loops for Pediatric Patients Undergoing Spinal Fusion Surgery.*  
Principal Investigator: Michael Vitale; Co-I: Hiroko Matsumoto. Amount: \$12,300.
- 2013-2014 **Orthopaedic Scientific Research Foundation Research Grant.** *Title: Can the Technology Administration of Research Instruments Benefit Patients, Providers, and Research?* Principal Investigator: **Michael G. Vitale**; Amount: \$3,600
- 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 G. Vitale**, Benjamin D. Roye, Hiroko Matsumoto.  
Amount: \$17,520.
- 2013-2014 **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 G. 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
- 2013-2014 **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 : **MG Vitale**, Hiroko Matsumoto.  
Amount: \$24,792.
- 2012-2015 **The 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 G. Vitale**, Hiroko Matsumoto.  
Amount: \$24,792
- 2012 -2013 **Scoliosis Research Society** *Title: Spine-Based vs. Rib Based Anchors in Growth Sparing Constructs for Young Children with Scoliosis*  
Principal Investigator: **MG Vitale**

Co-Investigator: David L. Skaggs, Behrooz A. Akabamia, Randal R. Betz, John T. Smith,  
Paul D. Sonseller  
Amount: \$50,000

- 2012 -2013      **The Chest Wall and Spine Deformity Research Foundation Research Grant**  
*Title: Can the Early Onset Scoliosis Predict Outcome?*  
Principal Investigator: **MG Vitale**  
Co-Investigator: DP Roye, H Matsumoto, BD Roye  
Amount: \$48,000
- 2012 -2013      **The 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: **MG Vitale**  
Co-Investigator: DP Roye, H Matsumoto, BD Roye  
Amount: \$25,000
- 2011-2012      **The Chest Wall and Spine Deformity Research Foundation Research Grant**  
*EOS Classification.*  
Principal Investigator: **MG Vitale**  
Co-Investigator: DP Roye, Jr. BD Roye, H Matsumoto  
Amount: \$49,359
- 2011-2012      **OREF Scientific Forum Grant/Spine Care**  
*The Conservative Treatment of AIS Revisited: A Randomized Controlled Trial Planning Meeting*  
Principal Investigator: **MG Vitale**  
Amount: \$20,000
- 2011-2012      **OREF Scientific Forum Grant/Spine Care**  
*An Expert Conference on Pediatric Spine Surgical Site Infection Prevention*  
Principal Investigator: **MG Vitale**  
Co-Investigator: DP Roye, Jr.  
Amount: \$40,000
- 2011-2012      **Orthopaedic Research and Education Foundation**  
*A Clinical Trial Planning Meeting for Early Onset Scoliosis (EOS)*  
Principal Investigator: DP Roye, JR  
Co-Investigator: **MG Vitale**  
Amount: \$49,809
- 2011-2012      **The Chest Wall and Spine Deformity Study Group**  
*Evaluation the Extent of Equipose among Treatment Options for Patients with EOS*  
Principal Investigator: **MG Vitale**  
Co-Investigator: DP Roye, Jr, BD Roye, H Matsumoto  
Amount: \$48,155
- 2010-2011      **The Chest Wall & Spine Deformity Research Foundation Research Grant**  
*Options for Patients with EOS*  
Principal Investigator: **MG Vitale**  
Co-Investigator: DP Roye, Jr, BD Roye, H Matsumoto  
Amount: \$48,155
- 2009-2010      **Hansjorg Wyss Research Award**  
*Psychosocial Effects of Repetitive Surgery on Children and their Caregivers in the Setting of Early Onset Scoliosis*  
Principal Investigator: **MG Vitale**

- Co-Investigator: DP Roye, Jr, BD Roye, H Matsumoto  
Amount: \$42,158
- 2007-2009 **The Chest Wall & Spine Deformity Study Group**  
*Quality of Life of Children with Thoracic Insufficiency Syndrome*  
Principal Investigator: **MG Vitale**  
Amount: \$44,500
- 2007-2008 **ORSF Carroll Fund Grant**  
*Web-based & Computer-Assisted Research Collection and Data Retrieval System*  
Principal Investigator: **MG Vitale**  
Amount: \$17,390
- 2007-2008 **The Chest Wall & Spine Deformity Study Group**  
*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: **MG Vitale**  
Co-Investigator: DP Roye Jr, H Matsumoto,  
Amount: \$44,400
- 2007-2008 **Scoliosis Research Society New Investigators Grant**  
*CT Analysis of Pedicle Screw Placement in Pediatric Patients*  
Principal Investigator: **MG Vitale**  
Amount: \$21,000
- 2004-2006 **AO/Synthes**  
*Pulmonary Function, Radiographic Outcomes, and Quality of Life after Early Fusion for Congenital Scoliosis*  
Principal Investigator: **MG Vitale**  
Amount: \$52,300
- 2002-2006 **Irving Scholar Award, Irving Center of Clinical Research**  
*Quality of Life, Neurocognitive Function, and Burden of Care of Children with Neuromuscular Disorders; Development of Multi-Disciplinary, Web-Based Registry*  
Principle Investigator: **MG Vitale**  
Amount: \$150,000
- 2005-2006 **Pediatric Orthopaedic Society of North America, Clinical Research Grant**  
*Towards a Validation of a Burden of Care Instrument for Children with Cerebral Palsy*  
Principal Investigator: **MG Vitale**  
Amount: \$10,860
- 2002-2004 **AO/Synthes**  
*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 fellowship
- 2002 **Sofamor Medtronic**

- Use of Pedicle Screws in Adolescent Idiopathic Scoliosis*  
Amount: \$25,000 Unrestricted research award
- 2002-2003 **Office of Clinical Trials Pilot Award**  
*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-Principal Investigator **MG Vitale**; L Saiman  
Amount: \$50,000 grant over one year period
- 2001-2004 **Orthopaedic Research and Education Foundation Career Development Grant Sponsored by Bristol-Myers Squibb/Zimmer**  
*Towards a Web Based national Pediatric Orthopaedic Trauma Outcomes Registry*  
Principal Investigator: **MG Vitale**  
Amount: \$50,000 Grant over three year period
- 2001-2002 **Office of Clinical Trials, Columbia Presbyterian Medical Center, Pilot Award**  
*Patient-Based Outcomes Following Clubfoot Surgery: A long Term Follow-up*  
Principal Investigator: **MG Vitale**  
Co-principal Investigator: David P. Roye  
Amount: \$41,460 grant over one year period
- 2000 **National Orthopaedic Surgery Fellows Foundation (NOSFF) Year 200 Grant Recipient**  
*Pediatric Pelvic Fractures: An Exploration of Patient Based Outcomes and Practice Patterns*  
Advisor: Dr. David L. Helfet  
Amount: \$5,000 Award to support Clinical research proposal
- 1998-2001 **Orthopaedic Research and Education Foundation Grant in Prospective Clinical Studies**  
*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: **MG Vitale**;  
Co Authors: AC Gelijns, Am Moscowitz, Harold M Dick  
Amount: \$150,000 grant over three year period
- 1998 **Ortho BioTech Research Award**  
*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: **MG Vitale**
- 1997 **Ortho BioTech Research Award**  
*Supporting an investigation of "Use of Preoperative Erythropoietin in Pediatric Patients Undergoing Scoliosis Surgery"*  
Principal Investigator: David P. Roye, Jr  
Co-Investigator: **MG Vitale**  
Amount: \$15,000
- 1997 **Ortho BioTech Research Award**  
*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: **MG Vitale**



Amount: \$15,000

1996  
**Clinical Studies**

**Orthopaedic Research and Education Foundation Grant in Prospective**

*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-principal Investigator: MG Vitale;

Coauthors: AC Gelijns, AM Moscovitz, LU Bigliani, Rg Pollock, WW Colman

**DEPARTMENTAL AND UNIVERSITY COMMITTEES**

**UNIVERSITY:**

2005-2008	<b><u>Columbia University Department of Orthopaedic Surgery</u></b> <i>Secretary, New York Orthopaedic Society Alumni Society</i>
2005-Present	Departmental Resident Research Committee
2005 -2010	<i>Editor and Chief, Newsletter of the Pediatric Orthopaedic Hospital of New York</i>
2001-Present	IRB Committee, Department of Orthopaedic Surgery
2001-Present	<i>Director, Pediatric Orthopaedic Research Group</i> <i>Managed all aspects of clinical research group including fundraising, directions of three fulltime research assistants, grants and research retreats.</i>

**HOSPITAL:**

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

2013-Present	Co-Director, Division of Pediatric Orthopaedics
2009- Present	<i>Associate Chief, Division of Pediatric Orthopaedics</i>
2008-Present	<i>Chief, Pediatric Spine and Scoliosis Service, Morgan Stanley Children's Hospital</i>
2008-2009	Department of Pediatrics, Physician Relations Committee
2006-2009	<i>Co-Chairman, CHONY National Visibility Committee</i>
2006-2008	<i>Co-Chairman, Subgroup on Strategic Growth; CHONY Leadership Retreat</i>
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:**

2006-2008	<i>President, Brooklyn Orthopaedic Society</i>
2005-2006	<i>Vice President, Brooklyn Orthopaedic Society</i>
2004-2005	<i>Secretary, Brooklyn Orthopaedic Society</i>
2003-2004	<i>Treasurer, Brooklyn Orthopaedic Society</i>

**NATIONAL:**

2012-Present	<b><u>INTERNATIONAL PEDIATRIC ORTHOPAEDIC SYMPOSIUM</u></b> <i>Co-Chairman</i>
2013- Present	<b><u>PEDIATRIC ORTHOPAEDIC SOCIETY OF NORTH AMERICA</u></b> <i>Senior Advisor, Quality, Safety, Experience and Value Initiative Steering Committee</i>
2012-Present	IPOS Liaison
2008-2012	<i>Chairman, Industry Relations Committee</i>
2008-2013	Long Term Planning Committee
2008-Present	Fellowship Training/Qualifications for Practice AD HOC Committee

2008-2011 Awards Committee  
 2006-Present Fellowship Training/Qualifications of Pediatric Orthopaedic Surgery 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

2010-Present **CHEST SPINE STUDY GROUP**  
 Executive Committee

2005 2011 **SPINE DEFORMITY STUDY GROUP**

2009-Present **SCOLIOSIS RESEARCH SOCIETY**  
*Chairman*, ADHOC Committee on Pediatric Medical Devices  
 2013-Present *Chairman*, Committee on Spine Safety

**TEACHING EXPERIENCE AND RESPONSIBILITIES**

**COURSE CHAIRMAN:**

2012 6<sup>th</sup> 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 Facility, Miami, Florida  
 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*, 3<sup>rd</sup> Annual Brooklyn Course  
 Co Instructors: DP Roye, JE Hyman, L Imundo, S Pavlakis, FY Lee, C Scott

- 2004 *Pediatric Neuromuscular Problems in Children*, 2<sup>nd</sup> Annual Brooklyn Course  
Co Instructors: DP Roye, JE Hyman, D Levy, J Pascual, FY Lee, B Roye
- 2003 *Pediatric Neuromuscular Problems in Children*, 1<sup>st</sup> Annual Brooklyn Course  
Co Instructors: DP Roye, JE Hyman, L Imundo, M Patterson, FY Lee, A Strongwater

**VISITING PROFESSORSHIPS:**

- 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, PA
- 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
- 2008 Arnold Palmer Visiting Professor  
Orlando, Florida
- 2008 15<sup>th</sup> Annual John Roberts, Shriner’s Hospital Visiting Professor  
Boston, Massachusetts

**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

2011 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 of North America  
New York, New York

2010 *Correcting Complex Spinal Deformities: Direct Vertebral Body Rotation Utilizing the  
SUK DVR System*  
10<sup>th</sup> 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*  
Medtronic Sofamor Danek Spine Course  
Phoenix, Arizona

2006 *Pediatric Spinal Deformity*

- 14<sup>th</sup> Annual International Pediatric Orthopaedic Society Review Course  
Orlando, Florida
- 2006      *The Limping Child*  
American Academy of Pediatrics
- 2005      *State of the Art Surgical Management*  
2<sup>nd</sup> 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      *Bow Legs 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  
Orlando, 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

**OTHER PROFESSIONAL ACTIVITIES**

**CONSULTATIVE:**

**FEDERAL**

- Co-Investigator to Government Award: 5 U03 MC00007-04-00  
 “Emergency Medical Service for Children Network Development Demonstration Project (EMSC-NDDP)” 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](http://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

**ADDITIONAL CLINICAL/EDUCATIONAL TRAINING:**

- 2009 Training, American Orthopaedic Association Kellogg Leadership Series- Module 6  
Evanston, Illinois  
*Be Equipped to Better Compete in the Marketplace*
- 2005 Training, American Orthopaedic Association Kellogg Leadership Series- Module 1  
Evanston, Illinois  
*Using Research to Advance Organizational Success*
- 2006 Training, American Orthopaedic Association Kellogg Leadership Series- Module 2  
Evanston, Illinois  
*Developing Personal Leadership Skills and Competencies*
- 2006 Group Leader: "Strategic Growth"  
7<sup>th</sup> Annual Morgan Stanley Children's Hospital Leadership Retreat
- 2006 New York Presbyterian Physician Leadership Development Program
- 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*
- *American Family Physician*
- *Journal of Pediatric Orthopaedics*
- *Lancet*

**INTERNATIONAL EXPERIENCES:**

- 2011,2012,2013 Haiti  
Adventist Health International  
Loma Linda University/ Global Health Institute
- 2010 Haiti  
Adventist Health International  
Loma Linda University/Global Health Institute
- 2010 Peru  
Health Volunteers Overseas  
V Congreso Internacional Del Hogar Clinica San Juan De Dios
- 2004 Honduras  
American Honduras Society

## PUBLICATIONS:

### ORIGINAL, PEER REVIEWED ARTICLES:

1. Matsumoto H, Williams B, Park HY, Yoshimachi JY, Roye BD, Roye DP, Akbarnia BA, Emans J, Skaggs D, Smith J, **Vitale MG**. The Final 24 Item Early Onset Scoliosis Questionnaires (EOSQ-24): Validity, Reliability and Responsiveness. *Journal of Pediatric Orthopaedics*. 2016 June 13 Epub Ahead of Print. DOI: 10.1097/BPO.0000000000000799.
2. Wright ML, Skaggs DL, Matsumoto H, Woon RP, Trocle A, Flynn JM, **Vitale MG**. Does the Type of Metal Instrumentation Affect the Risk of Surgical Site Infection in Pediatric Scoliosis Surgery? *Spine Deformity*. 2016 May. 4(3): 206-210.
3. Del Mar Pozo-Balado M, Matsumoto H, **Vitale MG**, Praena-Fernández JM, Farrington DM. Reliability and Validity of the Adapted Spanish Version of the Early-onset Scoliosis-24 Questionnaire. *Spine (Phila Pa 1976)*. 2016 May;41(10):E625-31. DOI: 10.1097/BRS.0000000000001322.
4. Salsgiver E, Crotty J, LaRussa SJ, Bainton NM, Matsumoto H, Demmer RT, Thumm B, **Vitale MG**, Saiman L. Surgical Site Infections following Spine Surgery for Non-idiopathic Scoliosis. *Journal of Pediatric Orthopaedics*. 2016 Feb 10. Epub Ahead of Print. DOI: 10.1097/BPO.0000000000000727
5. Chan CM, Swindell HW, Matsumoto H, Park HY, Hyman JE, **Vitale MG**, Roye DP, Roye BD. Effect of Preoperative Indications Conference on Procedural Planning for Treatment of Scoliosis. *Spine Deformity*. 2016 January. 4(1): 27-32. DOI: <http://dx.doi.org/10.1016/j.jspd.2015.05.003>
6. 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. *Journal of Bone and Joint Surgery*. 2015 Dec 16; 97 (24): 1994-1998. PMID: 26677232.
7. Demirkiran HG, Kinikli GI, Olgun ZD, Kamaci S, Yavuz Y, Vitale MG, Yazici M. [Reliability and Validity of the Adapted Turkish Version of the Early-onset Scoliosis-24-Item Questionnaire \(EOSQ-24\)](#). *J Pediatr Orthop*. 2015 Dec;35(8):804-9. doi: 10.1097/BPO.0000000000000378.
8. Park HY, Matsumoto H, Feinberg N, Roye DP, Kanj WW, Betz RR, Cahill PJ, Glotzbecker MP, Luhmann SJ, Garg S, Sawyer JR, Smith JT, Flynn JM, **Vitale MG**. The Classification for Early Onset Scoliosis (C-EOS) Correlates with the Speed of Vertical Expandable Prosthetic Titanium Rib (VEPTR) Proximal Anchor Failure. *Journal of Pediatric Orthopaedics*. 2015 Nov 13; Epub Ahead of Print
9. Cyr M, Hilaire TS, Pan Z, Thompson GH, **Vitale MG**, Garg S; Children's Spine Study Group, Growing Spine Study Group. Classification of Early Onset Scoliosis has Excellent Interobserver and Intraobserver Reliability. *Journal of Pediatric Orthopaedics*. 2015 Nov 13. [Epub ahead of print]
10. Glotzbecker MP, Wang K, Waters PM, McCarthy J, Flynn JM, **Vitale MG**; POSNA committee on the Quality, Safety, Value Initiative (QSVI). [Quality, Safety, and Value in Pediatric Orthopaedic Surgery](#). *Journal of Pediatric Orthopaedics*. 2015 Aug 20. [Epub ahead of print]
11. **Vitale MG**, Wang K, Pace G. [The Wisdom of Crowds](#). *J Pediatr Orthop*. 2015 Jul-Aug;35(5 Suppl 1):S55-60. doi: 10.1097/BPO.0000000000000550.
12. Matsumoto H, Colacchio, Schwab FJ, Lafage V, Roye DP, Vitale MG. *Flatback Revisited: Reciprocal Loss of Lumbar Lordosis Following Selective Thoracic Fusion in the Setting of Adolescent Idiopathic Scoliosis*. *Spine Deformity*. 2015 July. 3(4): 345-351. DOI: <http://dx.doi.org/10.1016/j.jspd.2015.01.004>
13. El-Hawary R, Samdani A, Wade J, Smith M, Heflin JA, Klatt JW, **Vitale MG**, Smith JT; Children's Spine Study Group. [Rib-based Distraction Surgery Maintains Total Spine Growth](#). *J Pediatr Orthop*. 2015 Jun 17. [Epub ahead of print]



14. Matsumoto H, Colacchio ND, Schwab FJ, Lafage V, Sheha ED, Roye DP, **Vitale MG**. *Unintended Change of Physiological Lumbar Lordosis and Pelvic Tilt After Posterior Spinal Instrumentation and Fusion for Adolescent Idiopathic Scoliosis: How Much Is Too Much?* Spine Deformity. 2015 March. 3(2): 180-187.
15. **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, Roye DP, Lenke LG. *Best Practices in Intraoperative Neuromonitoring in Spine Deformity Surgery: Development of an Intraoperative Checklist to Optimize Response*. Spine Deformity. 2014 Sept. 2 (5): 333-339. DOI: <http://dx.doi.org/10.1016/j.jspd.2014.05.003>
16. Williams BA, Matsumoto H, McCalla DJ, Akbarnia BA, Blakemore LC, Betz RR, Flynn JM, Johnston CE, McCarthy RE, Roye DP Jr, Skaggs DL, Smith JT, Snyder BD, Sponseller PD, Sturm PF, Thompson GH, Yazici M, **Vitale MG**. *Development and Initial Validation of a Novel Classification System for Early Onset Scoliosis: Classification of Early Onset Scoliosis (C-EOS)*. J Bone Joint Surg Am. 2014 Aug 20. 96(16): 1359-67. doi: 10.2106/JBJS.M.00253.PMID: 25143496
17. Glotzbecker MP, Garg S, Akbarnia BA, **Vitale MG**, Hillaire TS, Joshi A. [Surgeon practices regarding infection prevention for growth friendly spinal procedures](#). J Child Orthop. 2014 May;8(3):245-50. doi: 10.1007/s11832-014-0584-1. Epub 2014 Apr 18.
18. Skaggs DL, Akbarnia BA, Flynn JM, Myung KS, Sponseller PD, **Vitale MG**; Chest Wall and Spine Deformity Study Group; Growing Spine Study Group; Pediatric Orthopaedic Society of North America; Scoliosis Research Society Growing Spine Study Committee. *A classification of growth friendly spine implants*. J Pediatr Orthop. 2014 Apr-May;34(3):260-74
19. Gomez JA, Makhni MC, **Vitale MG**. Recurrent spinal deformity after scoliosis surgery in children. Instr Course Lect. 2014;63:345-51.
20. Sheha ED, Hammouri Q, Snyder BD, Campbell RM Jr, **Vitale MG**. POSNA/SRS Task Force for Pediatric Medical Devices. Off-label use of pediatric orthopaedic devices: important issues for the future. J Bone Joint Surg Am. 2014 Feb 5. 96(3):e21. doi: 10.2106/JBJS.M.00288. PMID: 24500593
21. Gigante P, McDowell MM, Bruce SS, Chirelstein G, Chiriboga CA, Dutkowsky J, Fontana E, Hyman J, Kim H, Morgan D, Pearson TS, Roye BD, Roye DP Jr, Ryan P, **Vitale M**, Anderson RC. Reduction in upper-extremity tone after lumbar selective dorsal rhizotomy in children with spastic cerebral palsy. J Neurosurg Pediatr. 2013 Dec. 12(6):588-94. doi: 10.3171/2013.9.PEDS12591. Epub 2013 Oct 11. PMID: 24116982
22. Tobert DG, **Vitale MG**. Strategies for treating scoliosis in children with spinal muscular atrophy. Am J Orthop (Belle Mead NJ). 2013 Nov. 42(11):E99-E103. PMID: 24340327
23. Skaggs DL, Akbarnia BA, Flynn JM, Myung KS, Sponseller PD, **Vitale MG**; Approved by the Chest Wall and Spine Deformity Study Group, the Growing Spine Study Group, Pediatric Orthopaedic Society of North America and the Scoliosis Research Society Growing Spine Study Committee. *A Classification of Growth Friendly Spine Implants*. J Pediatr Orthop. 2013 Aug 29. [Epub ahead of print]. PMID: 23995146
24. Matsumoto H, Williams BA, Corona J, Comer JS, Fisher PW, Neria Y, Roye BD, Roye DP, **Vitale MG**. *Psychosocial Effects of Repetitive Surgeries in Children With Early-Onset Scoliosis: Are We Putting Them at Risk?* J Pediatr Orthop. 2013 Jul 17. [Epub ahead of print] PMID:23872801
25. Prince DE, Matsumoto H, Chan CM, Gomez JA, Hyman JE, Roye DP Jr, **Vitale MG**. *The Effect of Rod Diameter on Correction of Adolescent Idiopathic Scoliosis at Two Years Follow Up*J Pediatr Orthop. 2014 Jan;34(1):22-8. PMID:23863413
26. **Vitale MG**, Riedel MD, Glotzbecker MP, Matsumoto H, Roye DP, Akbarnia BA, Anderson, RCE, Brockmeyer DL, Emans JB, Erickson M, Flynn JM, Lenke LG, Lewis SJ, Luhmann SJ, McLeod LM, Newton PO, Nyquist A, Richards BS, Shah SA.; Skaggs DL, Smith JT, Sponseller PD, Sucato DJ, Zeller RD, Saiman L. *Building Consensus: Development of a Best Practice Guideline (BPG) for Surgical Site Infection (SSI) Prevention in High-risk Pediatric Spine Surgery*. Journal of Pediatric Orthopaedics. 2013;33:471-478. PMID: 23752142

27. Glotzbecker MP, Riedel MD, **Vitale MG**, Matsumoto H, Roye DP, Erickson M, Flynn JM, Saiman L. *What's the Evidence? Systematic Literature Review of Risk Factors and Preventive Strategies for Surgical Site Infection Following Pediatric Spine Surgery.* Journal of Pediatric Orthopaedics. 2013; 33:479-487. PMID: 23752143
28. Privitera DM, Matsumoto H, Gomez JA, Roye DP, JE Hyman, **Vitale MG**. *Are breech rate for pedicle screws higher in the upper thoracic spine?* Spine Deformity. 2013 May 1; 1(3):189-195.
29. Corona J, Miller DJ, Downs J, Akbarnia BA, Betz RR, Blakemore LC, Campbell RM, Flynn JM, Johnston CE, McCarthy RE, Roye DP, Skaggs DL, Smith JT, Snyder BD, Sponseller PD, Sturm PF, Thompson GH, Yazici M, **Vitale MG**. *Evaluating the extent of clinical uncertainty among treatment options for patients with early-onset scoliosis.* J Bone Joint Surg Am. 2013;95:e671-10. PMID:23677368
30. Mackenzie WG, Matsumoto H, Williams BA, Corona J, Lee C, Cody SR, Covington L, Saiman L, Flynn JM, Skaggs DL, Roye DP Jr, **Vitale MG**. *Surgical site infection following spinal instrumentation for scoliosis: a multicenter analysis of rates, risk factors, and pathogens.*J Bone Joint Surg Am. 2013;95:800-6.PMID:23636186
31. Williams BA, Asghar J, Matsumoto H, Flynn JM, Roye DP Jr, **Vitale MG**. *More Experienced Surgeons Less Likely to Fuse: A Focus Group Review of 315 Hypothetical EOS Cases.*
32. Matsumoto H, Tobert D, Romney E, Roye B, Hyman J, **Vitale M**, Dutkowsky J, Roye D. *An urgent need for multidisciplinary, transitional and adult care in cerebral palsy: national and single institution trends.* 2012; 54: S50-51.
33. Roye BD, Matsumoto H, **Vitale MG**. *Selection of appropriate outcomes instruments.* Journal of Pediatric Orthopaedics. 2013;33; 68-74. PMID: 22890447
34. Glassman SD, Sucato DJ, Carreon LY, Sanders JO, **Vitale MG**, Lenke LG. *Does Thoracic Hypokyphosis Matter in Lenke Type 1 Adolescent Idiopathic Scoliosis?* In press, Spine Deformity.
35. Gomez JA, **Vitale MG**. *Measuring Outcomes in Children with Early-Onset Scoliosis.* Semin Spine Surg Sept; 24(3):140-143.
36. Franzone JM, **Vitale MG**. *Growth Modulation of the Scoliotic Spine: Where Are We Now?* Semin Spine Surg 2012 Sept; 24(3): 174-179.
37. Flynn JM, Matsumoto H, Torres F, Ramirez N, **Vitale MG**, *Psychological Dysfunction in Children Who Require Repetitive Surgery for Early Onset Scoliosis.* J Pediatr Orthop. 2012 Sep; 32 Suppl 2:S104-10.
38. Corona J, Sanders JO, Luhmann SJ, Diab M, **Vitale MG**, *Reliability of Radiographic Measures For Infantile Idiopathic Scoliosis.* J Bone Joint Surg Am. 2012 Jun 20; 94(12):e86
39. Saifi C, Matsumoto H, **Vitale MG**, Roye DP, Hyman JE. *The Incidence of Congenital Scoliosis in Infants with Tetralogy of Fallot Based on Chest Radiographs.* Journal of Pediatric Orthopaedics B. 2012 Jul;21(4); 295-378
40. Roye BD, Wright ML, Williams BA, Matsumoto H, Corona J, Hyman JE, Roye DP, **Vitale MG**. *Does Scoliscore Provide More Information Than Traditional Clinical Estimates of Curve Progression?* Spine, 2012 May 18. 2012 PMID: 22614798
41. Roye BD, Matsumoto H, **Vitale MG**, Roye Jr DP, Hyman JE. *Selection of Appropriate Outcomes Instruments.* Journal of Pediatric Orthopaedics. 2012
42. Miller DJ, Franzone JM, Matsumoto H, et al. *Electronic Monitoring Improves Brace-Wearing Compliance in Patients With Adolescent Idiopathic Scoliosis: A Randomized Clinical Trial.* Spine, 2012; Apr 20;37(9):717-721. PMID: 22517480
43. Akbarnia BA, Campbell RM, Dimeglio A, Flynn JM, Redding GJ, Sponseller PD, **Vitale MG**, Yazici M. *Fusionless Procedures for the Management of Early-Onset Spine Deformities in 2011: What do we Know?* J Child Orthop. 2011 Jun;5(3): 159-72.

44. **Vitale MG**, Gomez JA, Matsumoto H, Roye DP, Chest Wall and Spine Deformity Study Group. *Variability of Expert Opinion in Treatment of Early Onset Scoliosis*. Clin Orthop Relat Res. 2011; 469:1317-22
45. Miller DJ, Franzone JM, Matsumoto H, Hyman JE, Roye DP, **Vitale MG**. *Electronic Monitoring Improves Brace Compliance in patient with Adolescent idiopathic Scoliosis: A randomized Clinical Trial*. J Child Orthop. 2011; 5:S41-S42
46. Corona J, Williams BA, Matsumoto H, Comer JS, Fisher PW, Neria Y, Roye BD, **Vitale MG**. *Psychosocial Effects of Repetitive Surgeries in Children With Early Onset Scoliosis: Are We putting Them at Risk?* J Child Orthop. 2011; 5: S38.
47. **Vitale MG**, Miller DJ, Jameel OF, Schwab FJ, Roye DP. *Factors Affecting Distal Junctional Kyphosis after Spinal Fusion for Adolescent Idiopathic scoliosis*. J Child Orthop. 2011; 5:S32.
48. Corona J, Miller DJ, Downs J, Akbarnia BA, Blakemore LC, Betz RR, Campbell RM, Johnston CE, McCarthy RE, Roye DP, Skaggs DL, Smith JT Snyder BD, Sponseller PD, Sturm PF, Thompson GH, Yazici M, Flynn JM, **Vitale MG**. *Finding the Tipping Point: When Should Surgery Be Performed in Children with Early Onset Idiopathic Scoliosis?* Child Orthop. 2011; 5:s47-48
49. **Vitale MG**, Jameel Of Matsumoto H, Roye DP, Sucato DJ, Richards SB, Emans JB Erickson MA, Sanders JO, Lenke LG. *How much is too Much? Higher Degrees of Curve Correction Correlate with Worsened Sagittal Balance*. J Child Orthop. 2011; 5: S28-S29.
50. Mackenzie WGS, Miller DJ, Matsumoto H, Roye BD, Hyman JE, Roye DP, **Vitale MG**. *Frontal or Sagittal spinal Imbalance does not affect Quality of Life Two Years after Posterior Spinal Instrumentation and Fusion for adolescent Idiopathic Scoliosis*. Child Orthop. 2011; 5: S52-53
51. Mackenzie WGS, Matsumoto H, Corona J, Lee C, Cody ST, Covington L, Saiman L, Flynn JM, Skaggs DL, **Vitale MG**. *Surgical Site Infection Following Spinal Instrumentation for Scoliosis: Lessons Learned from an Analysis of 1352 Procedures at Three Centers*. J Child Orthop. 2011; 5: s29
52. Horan MP, Williams BA, Mackenszie WGS, Matsumoto H, Covington L, Saiman LR, **Vitale MG**. *Can Infection Following Scoliosis Instrumentation Surgery be a 'never event'? : Dramatic Reduction in Infection Rates at one I institution after Implementation of a Multimodal Prevention Protocol*. J Child Orthop. 2011, 5; S41.
53. **Vitale MG**, Wright ML, Matsumoto H, Corona J, William BA, Hyman JE, Roye BD, Roye DP. *Does the Scoliscore Provide More Information than Traditional Clinical Estimates of Curve Progression?* Child Orthop. 2011; 5: S41
54. Miller DJ, Jameel OF, Schwab FJ, Roye DP, **Vitale MG**. *Factors Affecting Distal Junctional Kyphosis after Spinal Fusion for Adolescent Idiopathic scoliosis* . J Child Orthop.
55. Matsumoto H, **Vitale MG**, Hyman JE, Roye DP. *Can Parents Rate Their Children's Quality of Life?: Perspectives on Pediatric Orthopaedic Outcomes*. J Pediatr Orthop B. 2011;20: 184-90
56. Matsumoto H, Krasinski DA, Kling SA, Gomez JA, Booker WA, Hyman JE, Roye DP, **Vitale MG**. *Development and Initial Validation of the Assessment of Caregiver Experience with Neuromuscular Disease (ACEND)*. J Pediatr Orthop. 2011: 31:284-92
57. Ledonio CGT, Polly DW, **Vitale MG**, Wang Q, Richards BS. *Pediatric Pedicle Screws Comparative Effectiveness and Safety: a systematic Literature Review from the SRS and POSNA Task Force*. J Bone Surg Am. 2011. In Press.
58. Diab G, Franzone J, **Vitale MG**. *The Role of Posterior Osteotomies in Pediatric Spinal Deformity Surgery: Indications and Operative Technique*. J Pediatr. Orthop. 2011 Jan-Feb; 31(1 Suppl): S88-98. PMID: 21173625

59. Corona J, Matsumoto H, Roye DP, **Vitale MG**. *Measuring Quality of Life in Children with Early Onset Scoliosis: Development and Initial Validation of the Early Onset Scoliosis Questionnaire (EOSQ)*. Journal of Pediatric Orthopaedics. 2011; 31; 180-185
60. Gomez JA, Lee JK, Kim PD, Roye DP, **Vitale MG**. "Growth Friendly" Spine Surgery: Management Options for the Young Child with Scoliosis. Journal of the American Academy of Orthopaedic Surgeons. 2011; 19(12):722-727
61. **Vitale MG**, Moore DW, Emerson RG, Matsumoto H, Gomez JA, Hyman JE, Roye DP Jr. *MEP/SSEP Monitoring in Spinal Deformity Surgery: Incidence and Factors Leading to Significant Electrophysiologic Events*. Journal of Bone and Joint Surgery British 2010 92-B:40
62. Matsumoto H, **Vitale MG**, Gomez JA, Hyman JE, Kaufman BE, Roye DP. *Femoral Valgus Osteotomy for Advanced Femoral Head Osteonecrosis and Perthes Disease in Children and Adolescents*. Journal of Bone and Joint Surgery British 2010 92-B:11
63. Roye DP Jr, Gomez JA, **Vitale MG**, Hyman JE, Matsumoto H, Feldman D, Marnagoz S, Van Bosse HP, Sala DA, Stein M. *Articulated Hip Distraction Arthroplasty: A Treatment Option for Avascular Necrosis and Chondrolysis of the Child and Adolescent Femoral Head*. Journal of Bone and Joint Surgery British 2010 92-B:11
64. Berdon WE, Lampl BS, Cornier AS, Ramirez N, Turnpenny PH, **Vitale MG**, SeimonLP, Cowles RA. *Clinical and Radiological Distinction Between Spondylothoracic Dysostosis (Lavy-Moseley Syndrome) and Spondylocostal Dysostosis (Jarcho-Levin Syndrome)*. Pediatr. Radiol. 2010 Dec 22. PMID: 21174082
65. **Vitale MG**, Gomez JA, Matsumoto H, Roye DP Jr; Members of Chest wall and Spine Deformity Study Group. *Variability of Expert Opinion in Treatment of Early Onset Scoliosis*. Clin Orthop Relat Res. 2010 Sep 8. PMID 20824404
66. **Vitale MG**, Corona J, Matsumoto H, Avendano J, Pinder D, Miller DJ, Roye DP. *Development and Initial Validation of a Disease Specific Outcome Measure for Early Onset Scoliosis*. Stud Health Technol Inform. 2010; 158: 172-6. PMID 20543419
67. Miller DJ, Jameel O, Matsumoto H, Hyman JE, Schwab FL, Roye DP Jr, **Vitale MG**. *Factors Affecting Distal End 7 Global Decomposition in Coronal/Sagittal Planes 2 years After Fusion*. Stud health Technol Inform. 2010; 158: 141-6. PMID 20543414
68. **Vitale MG**, Moore DW, Matsumoto H, Emerson RG, Booker WA, Gomez JA, Gallo EJ, Hyman JEH, Roye DP Jr. *Risk Factors for Spinal Cord Injury During Surgery for Spinal Deformity*. J Bone Joint Surg Am. 2010; 92:64-71. PMID: 20048097
69. Gomez JA, Matsumoto H, Roye DP Jr, **Vitale MG**, Hyman JE, Van Bosse HJ, Marangoz S, Sala DA, Stein MI, Feldman DS. *Articulated Hip Distraction: A Treatment Option for Femoral Head Avascular Necrosis in Adolescence*. J Pediatr Orthop. 2009 Mar; 29 (2): 163-9. PMID 19352242
70. Roye DP, **Vitale MG**, Matsumoto H, Clayton-Krasinski D, Gomez JA, Hyman JE. *Impact on personal time in parents of children with neuromuscular disease*. Journal of Child Orthopaedics. 2009;3; s14-15.
71. Roye DP, **Vitale MG**, Matsumoto H, Clayton-Krasinski D, Klinge SA, Hyman JE. *Development and initial validation of the neuromuscular disease caregiver impact questionnaire (neurociq)*. Journal of Child Orthopaedics. 2009;3:S 41
72. Roye DP, Privetera DM, Gomez JA, Matsumoto H, Klinge SA, Hyman JE, **Vitale MG**. *Pedicle Screw Placement in Pediatric Scoliosis Surgery: do Non Idiopathic Patients Have Higher Misplacement Rates?* Journal of Child Orthopaedics. 2009; 3:S52
73. **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*. Developmental Medicine & Child Neurology. 2008: 50: S21

74. **Vitale MG**, Moore D, Roye DP, Matsumoto H, Gomez JA, Hyman JE. *MEP/SSEP monitoring in spinal deformity surgery: incidence and factors leading to significant electrophysiological events.* J Child Orthop. 2008;2 (Suppl 1): S55
75. **Vitale MG**, Klinge SA, Matsumoto H, Clayton-Krasinski D, Hyman JE, Gomez JA, Avendano J, Roye DP. *A Rapid Comprehensive Quality of Life Assessment in Children with Neuromuscular Disease.* Developmental Medicine & Child Neurology. 2008; 50: S73
76. Marangoz S, Feldman DS, Sala DA, Hyman JE, **Vitale MG**. *Femoral deformity correction in children and young adults using Taylor Spatial Frame.* Clin Orthop Relat Res 2008 Dec; 466(12): 3018-24. Equib 2008 Sep 23
77. Matsumoto H, Roye DP, Hyman JE, **Vitale MG**. *Epidemiology of hospitalization among patients with cerebral palsy in the United States from 1979 through 2003.* J Child Orthop. 2008; 2 (Suppl 1): S51
78. Gomez JA, Roye DP, Feldman DS, Matsumoto H, Van Bosse HJ, Hyman JE, **Vitale MG**, Marangoz S. *Articulated Hip Distraction Arthroplasty: A Treatment Option for Avascular Necrosis of the Child and Adolescence Femoral Head.* J Child Orthop. 2008; 2 (suppl 1) : S11
79. **Vitale MG**, Kaufman B, Roye DP, Matsumoto H, Gomez JA, Hyman JE. *Femoral Valgus Osteotomy for advanced Femoral Head Osteonecrosis and Perthes Disease in Children and Adolescents.* Journal of Children's Orthopaedics. 2008; 2: S55
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52. 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.*
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57. **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.*
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65. 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.*
66. 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.*
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68. 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 33<sup>rd</sup> International Society of Orthopaedic Surgery and Traumatology and 17<sup>th</sup> Pan Arab Orthopaedic Association World Conference. Dubai, United Arab Emirates. November 28-30, 2012.*
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Burden after Growing Rod Surgery. *The 6<sup>th</sup> International Congress on Early Onset Scoliosis and Growing Spine. November 15-16, 2012.*

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75. Matsumoto H, Tobert D, Romney E, Roye B, Hyman J, **Vitale MG**, Roye DP. An Urgent Need for Multidisciplinary, Transitional/Adult Care in Cerebral Palsy: National and Single Institution Trends. *4<sup>th</sup> International Cerebral Palsy Conference. Pisa, Italy. October 10-13, 2012.*
76. 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. *4<sup>th</sup> International Cerebral Palsy Conference. Pisa, Italy. October 10-13, 2012*
77. Matsumoto H, Tobert D, Romney E, Roye B, Hyman J, **Vitale MG**, Roye DP. An Urgent Need for Multidisciplinary, Transitional and Adult Care in Cerebral Palsy: National and Single Institution Trends. *66<sup>th</sup> Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine. Toronto, Ontario, Canada. September 12-15, 2012.*
78. Williams B, McCalla D, Akbarnia BA, Betz RR, Blakemore L, Flynn JM, Johnston C, McCarthy R, Smith JT, Snyder B, Sponseller P, Sturm P, Thompson G, Yazici M, **Vitale MG.** Introducing the Early Onset Scoliosis Classification System.  
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79. Tobert D, Matsumoto H, Hyman JE, Roye BD, Roye Jr. DP, **Vitale MG.** Avoiding Spinal Fusion: Is it Time to Revisit Conservative Therapy?  
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83. Matsumoto H, McCalla D, Nair K, Williams B, Corona J, Akbarnia BA, Smith J, Emans J, Skaggs DL, **Vitale MG.** The Early-Onset Scoliosis Questionnaire (EOSQ) Reflects Improvement in Quality of Life After Growing Rod Surgery.  
*-47<sup>th</sup> Annual Meeting & Course, Scoliosis Research Society, Chicago, IL. September 5-8, 2012.*
84. Matsumoto H, Romney ED, Roye BD, Hyman JE, **Vitale MG**, Roye DP. Hospitalization among patients with cerebral palsy in the United States: An exploration of 37 years of inpatient care.  
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85. Matsumoto H, Nair K, McCalla D, Williams B, Corona J, Roye BD, Roye JR. DP, Akbarnia BA, Emans J, Skaggs DL, Smith JT, **Vitale MG.** Validation of the Early-Onset Scoliosis Questionnaire (EOSQ): Responsiveness and Comparison with Normative Subjects.  
*-5<sup>th</sup> International Congress on Early Onset Scoliosis, Orlando, FL. November 18-19, 2011*

*-31<sup>st</sup> Annual Meeting of European Paediatric Orthopaedic Society, April 18-21, 2012*

86. Williams BA, Akbarnia BA, Blakemore LC, Betz RR, Flynn, JM, Johnston II CE, McCarthy RE, Roye Jr. DP, Skaggs DL, Smith JT, Snyder BD, Sponseller PD, Sturm PF, Thompson GH, Yazici M, **Vitale MG**. Organizing Chaos: Development of a Consensus-Based Early Onset Scoliosis Schema.  
*-5<sup>th</sup> International Congress on Early Onset Scoliosis, Orlando, FL. November 18-19, 2011*
87. Colacchio ND, Schwab FJ, Matsumoto H, Lafarge V, Roye Jr. DP, **Vitale MG**. Unintended Change of Physiological Lumbar Lordosis and Pelvic Tilt after PSIF: How much is too much?  
*-AAP National Conference and Exhibition, Boston, MA. October 14-18, 2011*  
*-125<sup>th</sup> Annual Meeting of American Orthopaedic Association. Washington, DC. June 27-30, 2012*  
*- Pediatric Orthopaedic Society of North America. Denver, CO. May 16-19, 2012*
88. Gomez JA, Matsumoto H, Colacchio N, Miller D, Roye Jr. DP, Sucato D, Richards S, Emans JB, Erickson M, Sanders J, Lenke L, **Vitale MG**. Characteristics of Patients with Adolescent Idiopathic Scoliosis who Experience Coronal Decompensation Following Posterior Spinal Instrumentation and Fusion.  
*-46<sup>th</sup> Annual Meeting, Scoliosis Research Society. Louisville, KY. September 14-17, 2011.*  
*-AAOS Annual Meeting, San Francisco, CA. February 7-11, 2012.*
89. Roye BD, Wright M, Williams B, Matsumoto H, Corona J, Hyman JE, Roye DP, **Vitale MG**. Does the Scolioscore Provide More Information than Traditional Estimates of Curve Progression?  
*-46<sup>th</sup> Annual Meeting, Scoliosis Research Society. Louisville, KY. September 14-17, 2011.*  
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90. **Vitale MG**, Colacchio N, Matsumoto H, Schwab F, Lafage V, Roye Jr. DP. Flatback Revisited: Reciprocal Loss of Lumbar Lordosis Following Selective Thoracic Fusion.  
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91. Matsumoto H, Clayton-Krasinski DA, Klinge SA, Gomez JA, Booker WA, Colacchio ND, Roye Jr. DP, **Vitale MG**, Hyman JE. Development and Initial Validation of the Assessment of Caregiver Experience with Neuromuscular Disease (ACEND).  
*- XXV Triennial World Congress, International Society of Orthopaedic Surgery and Traumatology 2011. Prague Czech Republic. September 6-9, 2011.*
92. 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.  
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*-AAP National Conference and Exhibition, Boston, MA. October 14-18, 2011.*
93. 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 30<sup>th</sup> Meeting of the European Pediatric Orthopaedic Society. Basel, Switzerland. April 6-9, 2011.*
94. Corona J, Miller DJ, Downs J, Akbarnia BA, Blakemore LC, Betz RR, Campbell RM, Johnston CE, McCarthy RE, Roye DP, Skaggs DL, Smith JT, Snyder BD, Sponseller PD, Sturm PF, Thompson GH, Yazici M, Flynn JM, **Vitale MG**. Finding the Tipping Point: When should Surgery be Performed in Children with Early Onset Idiopathic Scoliosis?  
*-124<sup>th</sup> Annual Meeting of American Orthopaedic Association. Boston, MA. June 22-25, 2011*
95. Matsumoto H, Miller DJ, Franzone JM, Hyman JE, Roye DP, **Vitale MG**. Electronic Monitoring Improves Brace Compliance in Patients with Adolescent Idiopathic Scoliosis: A Randomized Clinical Trial.  
*-Pediatric Orthopaedic Society of North America. Montreal, Quebec, Canada. May 11-14, 2011*



*-European Pediatric Orthopaedic Society, Basel, Switzerland. April 6-9, 2011*

96. 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?  
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97. **Vitale MG**, Jameel OF, Matsumoto H, Roye DP, Sucato DJ, Richards SB, Emans JB, Erickson MA, Sanders JO, Lenke JO. How Much is Too Much? Higher Degrees of Curve Correction Correlate with Worsened Sagittal Balance.  
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98. Mackenzie WGS, Miller DJ, Matsumoto H, Roye BD, Hyman JE, Roye DP, **Vitale MG**. Frontal or Sagittal Spinal Imbalance does not Affect Quality of Life Two Years after Posterior Spinal Instrumentation and Fusion for Adolescent Idiopathic Scoliosis.  
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99. Mackenzie WGS, Matsumoto H, Corona J, Lee C, Cody ST, Covington L, Saiman L, Flynn JM, Skaggs DL, **Vitale MG**. Surgical Site Infection Following Spinal Instrumentation for Scoliosis: Lessons Learned from an Analysis of 1352 Procedures at three Centers.  
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*-46<sup>th</sup> Annual Meeting, Scoliosis Research Society. Louisville, KY. September 14-17, 2011.*
100. Horan MP, Williams BA, Mackenzie WGS, Matsumoto H, Covington L, Saiman LR, **Vitale MG**. Can Infection Following Scoliosis Instrumentation Surgery be a "Never Event"? Dramatic Reduction in Infection Rates at one Institution after Implementation of a Multimodal Prevention Protocol.  
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101. **Vitale MG**, Miller DJ, Jameel OF, Schwab FJ, Roye DP. Factors Affecting Distal Junctional Kyphosis after Spinal Fusion for Adolescent Idiopathic Scoliosis.  
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*-European Pediatric Orthopaedic Society, Basel Switzerland, April 6-9, 2011.*  
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102. **Vitale MG**, Miller D, Sucato D, Emans J, Erickson M, Sanders J, Lenke L. Factors Predicting Coronal Decomposition of Lenke 1 Curves Following Selective Fusion.  
*-17<sup>th</sup> International Meeting on Advanced Spine Techniques. Toronto, Ontario, Canada. July 21-24, 2010*  
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*-Pediatric Orthopaedic Society of North America, Montreal, Quebec, Canada. May 11-14, 2011.*
103. Corona J, Williams BA, Matsumoto H, Comer JS, Fisher PW, Neria Y, Roye BD, **Vitale MG**. Psychosocial Effects of Repetitive Surgeries in Children with Early Onset Scoliosis: Are We Putting Them At Risk?  
*-European Pediatric Orthopaedic Society, Basel Switzerland, April 6-9, 2011.*  
*-46<sup>th</sup> Annual Meeting, Scoliosis Research Society. Louisville, KY. September 14-17, 2011.*
104. Corona J, Miller DJ, Downs J, Akbarnia BA, Blakemore LC, Betz RR, Campbell RM, Johnston CE, McCarthy RE, Roye DP, Skaggs DL, Smith JT, Snyder BD, Sponseller PD, Sturm PF, Thompson GH, Yazici M, Flynn JM, **Vitale MG**. Finding the Tipping Point: When Should Surgery Be Performed in Children with Early Onset Idiopathic Scoliosis?  
*-4<sup>th</sup> International Congress on Early Onset Scoliosis and Growing Spine, Toronto, Canada. November 19-20, 2010*  
*-European Pediatric Orthopaedic Society, Basel Switzerland, April 6-9, 2011.*

105. Miller DJ, Corona J, Downs J, Akbarnia BA, Blakemore LC, Betz RR, Campbell Rm, Johnston CE, McCarthy RE, Roye Dp, Skaggs DI, Smith JT, Snyder BD, Sponseller PD, Sturm PF, Thompson GH, Yazici M, **Vitale MG**, Flynn JM. To Operate or Not to Operate? Determining the Optimal Timing of Surgical Intervention for Patients with Early Onset Neuromuscular.  
 -4<sup>th</sup> International Congress on Early Onset Scoliosis and Growing Spine, Toronto, Canada. November 19-20, 2010  
 -European Pediatric Orthopaedic Society, Basel Switzerland, April 6-9, 2011.
106. Corona J, Sanders JO, Luhmann SJ, Roye Jr. DP, Diab M, Matsumoto H, **Vitale MG**. The Rib Vertebral Angle Difference Is it a Reliable Measure?  
 -The Annual Meeting of the Pediatric Orthopaedic Society of North America; Waikoloa, Hawaii May 4-7, 2010.
107. Corona J, Sanders JO, Luhmann SJ, Roye BD, Diab M, **Vitale MG**. The Rib Vertebral Angle Difference- Is it a Reliable Measure?  
 -American Academy of Pediatrics National Conference and Exhibition. San Francisco, CA. October 2-5, 2010
108. **Vitale MG**, Jameel O, Sucato D, Richards S, Emans J, Erickson M, Sanders J, Lenke L. How Much is Too Much? Higher Degrees of Curve Correction Correlate with Worsened Sagittal Balance.  
 -The Scoliosis Research Society Annual Meeting. Kyoto, Japan. September 21-24, 2010
109. Miller DJ, Franzone JM, Matsumoto H, Hyman JE, Roye Jr. DP, **Vitale MG**. Electronic Monitoring Improves Brace Wearing Compliance in Patients with Adolescent Idiopathic Scoliosis.  
 -The 17<sup>th</sup> International meeting on Advanced Spine Techniques (IMAST); Toronto, Canada July 21-24 2010  
 -124<sup>th</sup> Annual Meeting of American Orthopaedic Association. Boston, MA. June 22-25, 2011
110. **Vitale MG**, Privitera DM, Gomez JA, Matsumoto H, Klinge SA, Corona J, Hyman JE, Roye Jr. DP. Pedicle Screw Placement in Pediatric Scoliosis Surgery: Do non-Idiopathic Patients Have Higher Misplacement Rates?  
 -American Academy of Pediatrics National Conference and Exhibition. Boston, MA. October 11-14, 2008.  
 -European Pediatric Orthopaedic Society; Lisbon, Portugal. April 1-4, 2009  
 -Meeting of the International Research Society of spinal Deformities; Montreal, Canada July 1-3 2010
111. **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?  
 -123<sup>rd</sup> Annual Meeting of the American Orthopaedic Association; San Diego, CA, June 9-12, 2010
112. **Vitale MG**, Avendano J, Jameel OF, Matsumoto H, Roye BD, Hyman JE, Roye DP. Can Spine Sagittal Measures be assessed dependably from MRI?  
 -The 2010 Meeting of the International Research Society of Spinal Deformities. Montreal Canada July 1-3, 2010
113. **Vitale MG**, Miller DJ, Ramirez-Lluch NF, Torres FC, Matsumoto H, Mulcahey MJ, Flynn JM. Psychosocial Disability in Patients Undergoing Repetitive Surgery for Early Onset Scoliosis: We Should be Worried!  
 -17<sup>th</sup> International Meeting on Advanced Spine Techniques. Toronto Ontario, Canada. July 21-24, 2010.
114. Roye DP, Jameel O, Miller DJ, Matsumoto H, Schwab FJ, Hyman JE, **Vitale MG**. Factors Affecting Distal End and Global Decomposition in Coronal and Sagittal Planes 2 years after Fusion for Adolescent Idiopathic Scoliosis.  
 -AAOS Annual Meeting; New Orleans, LA, March 9-13, 2010  
 - International Research Society of Spinal Deformities; Montreal, Canada, July 1-3 2010
115. **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.

116. **Vitale MG**, Miller DJ, Emans JB, Erickson MA, Sanders JO, Lenke LG, Richards BS. Factors Predicting Coronal Decomensation of Lenke 1 Curves Following Selective Fusion.  
-17<sup>th</sup> International Meeting on Advanced Spine; Toronto, Canada, July 21-24, 2010.
117. **Vitale MG**, Miller DJ, Ramirez-Lluch NF, Frances T, Matsumoto H, Mulcahey MJ, Flynn JM. Anxiety and Psychosocial Disability in Patients Undergoing Repetitive Surgery for Early Onset Scoliosis: We should be Worried!  
-17<sup>th</sup> International Meeting on Advanced Spine Techniques; Toronto, Canada, July 21-24, 2010.
118. **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?  
-17<sup>th</sup> International Meeting on Advanced Spine Techniques; Toronto, Canada, July 21-24, 2010.
119. **Vitale MG**. Adolescent and Neuromuscular Scoliosis Techniques I.  
-Biomet Spine Current Techniques in Spinal Deformity Surgery; Denver, Colorado, April, 2010
120. **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 123<sup>rd</sup> Annual Meeting of the American Orthopaedic Association; San Diego, CA. June 9-12, 2010  
-The 8<sup>th</sup> International Research Society of Spinal Deformities. Montreal, Quebec, Canada. July 1-3, 2010  
-17<sup>th</sup> International Meeting on Advanced Spine Techniques, Toronto, Canada, July 21-24, 2010.
121. **Vitale MG**. Clinical Implications of Derotation and Current Techniques for Derotation.  
-Biomet Spine Current Techniques in Spinal Deformity Surgery; Denver, Colorado, April, 2010
122. **Vitale MG**. AIS Outcomes: An Evidence Base Review.  
-Biomet Spine Current Techniques in Spinal Deformity Surgery; Denver, Colorado, April 2010
123. 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
124. **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
125. Corona J, Sanders J, Juhmann S, Diab M, Matsumoto H, **Vitale M**. The Rib Vertebral Angle Difference- Is It a Reliable Measure?  
-3<sup>rd</sup> International Congress on Early Onset Scoliosis and Growing Spine. Istanbul, Turkey. November 20-21, 2009
126. 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. April 1-4, 2009
127. **Vitale MG**, Matsumoto H, Clayton-Krasinski D, Gomez JA, Hyman JE. Impact on Personal Time in Parents of Children with Neuromuscular Disease.  
-Pediatric Orthopaedic Society Meeting, Toronto, Canada. May 29, 2009.  
-American Orthopaedic Association. Bonita Springs, FL. June 10-13, 2009.
128. 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.

129. Jameel OF, Matsumoto H, **Vitale MG**, Roye BD, Gomez JA, Hyman JE, Roye DP. Pedicle Screw Misplacement in Pediatric Scoliosis Surgery: Does Intraoperative Electromyography (EMG) Monitoring Result in Lower Misplacement Rates?  
-Academy of Pediatrics National Conference and Exhibition. Washington, DC. October 17-20, 2009
130. Matsumoto H, Roye DP, Corona J, **Vitale MG**. Development and Initial Validation of an Early Onset Scoliosis Questionnaire (EOSQ).  
-American Academy of Pediatrics National Conference and Exhibition. Washington, DC. October 17-20, 2009
131. **Vitale MG**, Privitera Dm, Gomez JA, Matsumoto H, Klinge SA, Hyman JE, Roye DP. Pedicle Screw Placement in Pediatric Scoliosis Surgery: Do Non-Idiopathic Patients Have Higher Misplacement Rates?  
-Pediatric Orthopaedic Society of North America. Boston, MA, April 30-May, 2009.
132. Roye DP, **Vitale MG**, Matsumoto H, Clayton-Krasinski D, Klinge SA, Hyman JE. Development and Initial Validation of the Neuromuscular Disease caregiver Impact Questionnaire (Neurociq).  
-European Pediatric Orthopaedic Society. Lisbon, Portugal. April 1-4, 2009.
133. Roye DP, Privitera DM, Matsumoto H, Gomez JA, Klinge S, Hyman JE, **Vitale MG**. Misplacement Rates of Pedicle Screws after Surgical Intervention for Pediatric Spinal Deformity.  
-American Academy of Orthopaedic Surgeons; Las Vegas, Nevada. February 25-28, 2009.
134. Matsumoto H, Roye DP, Corona J, **Vitale MG**. Development and Initial Validation of an Early Onset Scoliosis Questionnaire (EOSQ).  
-American Academy of Pediatrics National Conference and Exhibition; Washington, DC. October 17-20, 2009
135. **Vitale, MG**. Syndromes and Bad Bone Concepts and Controversies.  
-International Pediatric Orthopaedic Society Annual Meeting; Orlando, Florida, December 1-5, 2009
136. **Vitale, MG**. Making the Spine “Loose.” How to and How Much?  
-Pediatric Orthopaedic Society of North America. Boston, MA, April 2009.
137. **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.
138. **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
139. 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
140. 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
141. **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
142. **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

143. **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.  
-15<sup>th</sup> International Meeting on Advanced Spine Techniques. Hong Kong, China. July 8-11, 2008.
144. 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
145. 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
146. 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.
147. **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.  
-15<sup>th</sup> International Meeting on Advanced Spine Techniques. Hong Kong, China. July 8-11, 2008.
148. **Vitale MG**, Moore DW, Emerson RG, Matsumoto H, Gomez JA, Booker WA, Chambers KL, Spencer HT, Gallo EJ, Hyman 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.  
-15<sup>th</sup> International Meeting on Advanced Spine Techniques. Hong Kong, China. July 8-11, 2008.
149. 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.
150. 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
151. **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  
-1<sup>st</sup> International Congress on Early Onset Scoliosis & Growing Spine. Madrid, Spain. November 2-3, 2007  
- International Meeting on Advanced Spine Techniques. 15<sup>th</sup> International Meeting, July 8-11, 2008, Hong Kong.
152. **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 28<sup>th</sup> Annual Meeting; Poland, Warsaw, April 9-12<sup>th</sup>, 2008  
-Pediatric Orthopaedic Society of North America Annual Meeting. Albuquerque, NM. April-May 3, 2008.

*-2<sup>nd</sup> Combined meeting of the American Orthopaedic Association and the Canadian Orthopaedic Association; Quebec City, Quebec, June 4-7 2008*

153. **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.

*-2<sup>nd</sup> Combined Meeting of the American Orthopaedic Association and Canadian Orthopaedic Association; Quebec City, Quebec, June 4-7, 2008*

*-European Pediatric Orthopaedic Society 28<sup>th</sup> Annual Meeting; Warsaw, Poland, April 9<sup>th</sup>-12<sup>th</sup>, 2008*

154. 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.

*- 2<sup>nd</sup> Combined meeting of the American Orthopaedic Association and the Canadian Orthopaedic Association; Quebec City, Quebec, June 4-7, 2008, in*

*-Pediatric Orthopaedic Society of North America Annual Meeting; Albuquerque, New Mexico, April 30<sup>th</sup>-May 3<sup>rd</sup>, 2008,*

155. 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.

*-2<sup>nd</sup> Annual Orthopaedic Association and the Canadian Orthopaedic Association; Quebec City, Quebec, June 4-7, 2008*

*- European Pediatric Orthopaedic Society 28<sup>th</sup> Annual Meeting, Warsaw, Poland. April 9<sup>th</sup>-12<sup>th</sup>, 2008*

*- Pediatric Orthopaedic Society of North America Annual Meeting April 30<sup>th</sup> – May 3<sup>rd</sup>, 2008, Albuquerque, New Mexico.*

156. 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 28<sup>th</sup> Annual Meeting; Warsaw, Poland, April 9<sup>th</sup>-12<sup>th</sup>, 2008*

157. **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 (VEPTR) 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*

158. 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 28<sup>th</sup> Annual Meeting; Poland, Warsaw, April 9<sup>th</sup>-12<sup>th</sup>, 2008,*

*-Pediatric Orthopaedic Society of North America Annual Meeting; Albuquerque, New Mexico, April 30-May 3<sup>rd</sup>, 2008*

*-2<sup>nd</sup> Combined Meeting of the American Orthopaedic Association and the Canadian Orthopaedic Association, Quebec City, Quebec. Jun 4-7<sup>th</sup>, 2008*

159. **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 Orthopaedic 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*

160. 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 7-10, 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
161. **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.
162. 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.  
 - 1<sup>st</sup> International Congress on Early Onset Scoliosis & Growing Spine Madrid, Spain, November 2-3, 2007.
163. 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, October 7-10, 2006
164. Skaggs DL, Ramachandran M, Crawford H, Eastwood D, Lalonde F, **Vitale MG**, Tharani R, Kay R. Delaying the Treatment of Supracondylar Fractures: Has the Pendulum Swung too Far?  
 - Pediatric Orthopaedic Society of North America; San Diego, California, May 3<sup>rd</sup>, 2006.
165. 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.
166. 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.  
 -12<sup>th</sup> 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.

167. **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
168. 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
169. **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
170. **Vitale, MG,** Lehmann CL, Skaggs DI, 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
171. 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.
172. 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
173. 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
174. 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
175. 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
176. Heyworth BE, Lipton CB, Skaggs DI, 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
177. 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
178. 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

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