

HSGHARMS STUDY GROUP

Pioneering Research in Spinal Deformities

Setting Scoliosis Straight is a non-profit 501(c)(3) organization devoted to empowering families impacted by scoliosis through education, connection, and research



SETTING SCOLIOSIS STRAIGHT

FOUNDATION

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We are proud to offer you the 2019 Annual Report, reflecting the collaborative efforts and accomplishments of the Setting Scoliosis Straight Foundation and the Harms Study Group. We remain dedicated to the mission of advancing the treatment of scoliosis and spinal deformity in children via research and education. In 2019, our research facilitated new discoveries that will change future patient outcomes for the better. Our network has grown to encompass 35 of the world's top scoliosis surgeon researchers. More importantly, our scientific discoveries have been disseminated to thousands of physicians and surgeons through dozens of international scientific presentations and manuscript publications.

Patient education remains a top priority with the goal of bringing evidence-based knowledge to our patients and families. Both online material and live courses have reached hundreds of newly diagnosed patients and families in stressful times of need. We are listening - and directing our research toward getting the answers you need. I cannot thank the Foundation Family enough for their continued support in our endeavors.

The pages that follow will give you a glimpse into the busy year of 2019 and focus our attention on all that remains to be done in 2020! We appreciate your trust, support and dedication to our shared vision.

Peter Newton, MD

atte learn

President, Setting Scoliosis Straight



DEAR **SCOLIOSIS FAMILY,**

2019 was filled with **promising** research discoveries, unparalleled **growth** in quality improvement efforts, and crucial discussions through patient engagement – we are honored to continue this collaborative journey and celebrate our progress with all of you!

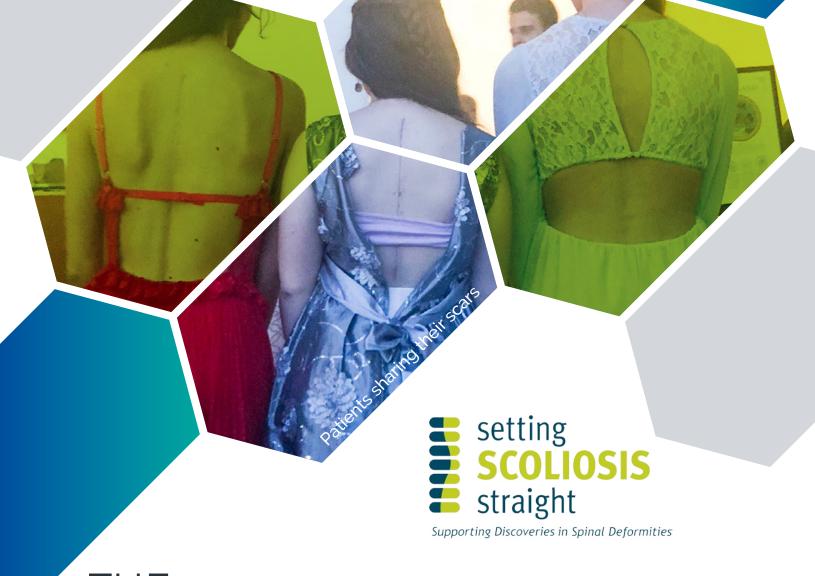
With our study group leading the way in **vital outcomes research** for the newly approved Anterior Spinal Growth Tethering procedure, we are empowered to begin a research effort with the FDA aimed at better understanding patient preferences surrounding treatment options.

Our **Surgeon Performance Program** quality improvement initiative has grown exponentially, with over 80 surgeon participants receiving comparative dashboard reports focused on improving patient care through self-assessment.

Our 5th annual **Power Over Scoliosis** patient education course engaged many patients and families in the Baltimore area, and we are thankful for the generous community support!

Our annual accomplishments would not be possible without support from dedicated sponsors and donors like you. We look to 2020 with inspiration from our scoliosis patients, whose strength to persevere despite obstacles gives us fuel to keep moving full speed ahead!





THE FOUNDATION DIVISION

The Setting Scoliosis Straight Foundation (SSSF) is a not-for-profit charitable foundation established in 2008 to support the research efforts of the Harms Study Group. As the **Foundation Division** of the organization, it focuses on fundraising, awareness, patient education and improving quality in care.



When my daughter was diagnosed with scoliosis, I spent hours and hours on the internet looking for information and it was so clear to me when I stumbled upon Setting Scoliosis Straight. What a wonderful community and family it is and how it helped us get through this journey.

- **Jen May** Scoliosis Parent

WHAT WE DO



-**Ö**-

RESEARCH

Clinical research is a critical and mandatory component to advance and improve scoliosis treatment. But financing research is costly and it is becoming harder to fund, which is why a major focus of the SSSF is to support the research efforts of the Harms Study Group.

EDUCATION

Patient education is essential to a family's well-being, so we created **Power Over** Scoliosis: an annual educational event bringing together orthopedic experts and patient ambassadors to share their insights, while providing families with the educational tools to make clear, confident decisions regarding future treatment and care.



SUPPORT

Change happens when BIG ideas are supported by lots of small efforts. Due to the collective efforts of scoliosis ambassadors from all over the country, we are empowering and advocating on behalf of children living with spinal deformities. Become an SSS ambassador today and use your talents and skills to help others!





OUR BOARD OF DIRECTORS



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DEPARTING BOARD MEMBER



It was a true honor to serve on the Setting Scoliosis Straight Board of Directors and work with the esteemed spine surgeons of the Harms Study Group (HSG). My hope is that additional spine industry colleagues will experience how this foundation provides the best scoliosis patient education in the world and that the HSG provides research unparalleled by any other spine society.



- ALAN OLSEN Founder of Danek Medical, Inc.

GET INVOLVED HOW YOU CAN HELP...

Are you interested in getting involved with us to help improve scoliosis treatment and create scoliosis awareness? There are many ways you can get involved with Setting Scoliosis Straight.



YOU CAN MAKE A DIFFERENCE BY BECOMING A:

- ✓ Scoliosis Ambassador
- ✓ Scoliosis Spokesperson
- ✓ Volunteer
- ✓ Social Media Advocate



TO GET STARTED:

Visit our website for more information on how you can get involved with our foundation.



www.settingscoliosisstraight.org



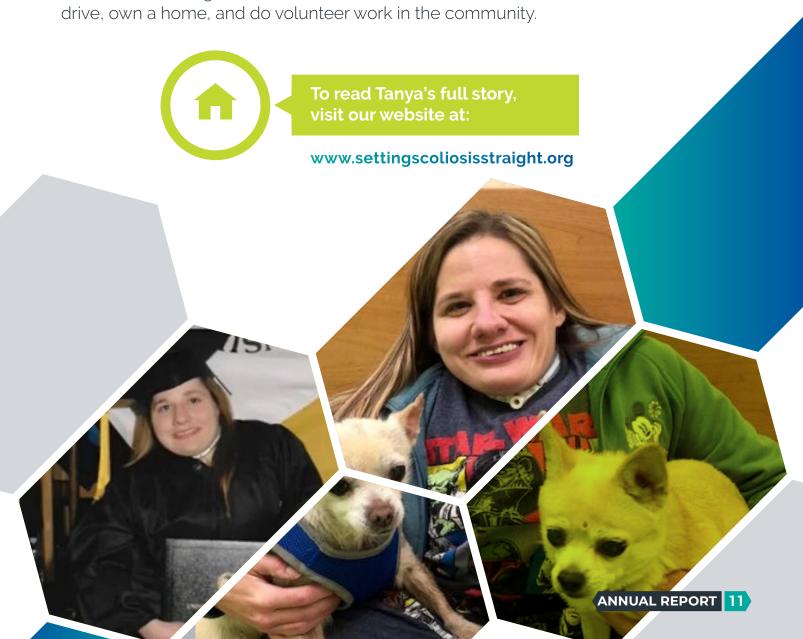




PATIENT STORY TANYA KRUEGER

My name is Tanya Krueger and I was born with Congenital Scoliosis. I was also born with Spina Bifida which turned out to be very minor, compared to the severity of my Scoliosis. My curve at birth was around 55 degrees. They tried body cast, bracing, and I saw a specialist weekly. My parents took me to Shriners in Chicago. One surgery turned into two. Once inside the doctors found my spine was much worse than anticipated. I was trached at age four and placed on a ventilator at night at age 7. My lungs are very small, and I easily would get lung infections. I was also on oxygen until my late teen years. With the nighttime ventilator support, my lungs became stronger and my health more stable.

My lungs and heart took a beating and I spent my childhood in the hospital, many times near death. I currently, have a curve of well over 100 degrees. I stand just 4ft tall, due to the surgeries and the curve. I still have a trach and a vent, but am able to drive, own a home, and do volunteer work in the community.



AMBASSADOR **PROGRAM**

The **Setting Scoliosis Straight Ambassadors** are a voice for creating awareness. They are advocates who raise funds to support our research and education programs.

Change happens when big ideas are manifested through small efforts. At Setting Scoliosis Straight, Ambassadors from all over the country are empowering others and advocating on behalf of children living with spinal deformities.

As an Ambassador, you are willing to give your time and talents for the common good, create awareness in your community and be a voice to those suffering with spinal deformities. You can make a difference by getting involved with Setting Scoliosis Straight.

THERE ARE MANY WAYS TO GET INVOLVED AS A SCOLIOSIS AMBASSADOR:

✓ Become a Brand Ambassador

Engage on Social Media

Educate the Community

✓ Volunteer at Events

✓ Start a Fundraiser

✓ Mentor Scoliosis Patients



Visit our website to learn now to become a Scoliosis Ambassador

www.settingscoliosisstraight.org



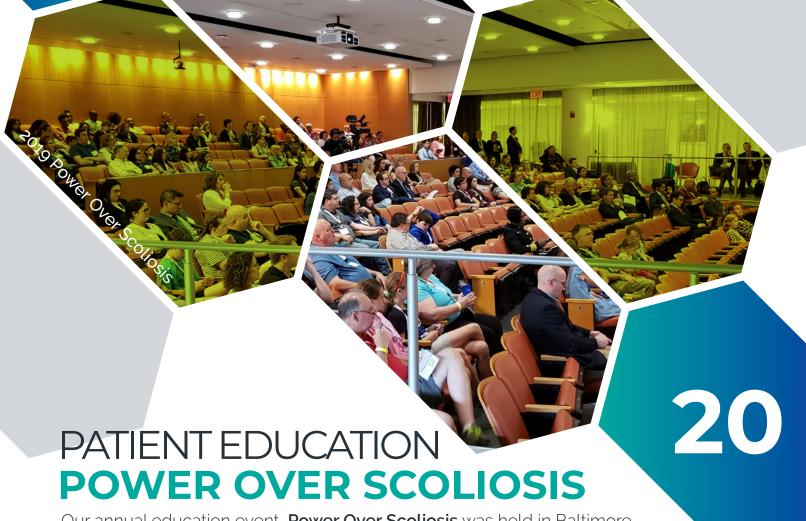
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FOUNDATION **FAMILY**

At Setting Scoliosis Straight, families remain at the core of everything we do because scoliosis doesn't just affect one individual, it affects the health, function, and well-being of the entire family.

For this reason, Setting Scoliosis Straight formed the Foundation Family—comprised of grateful families and caring friends who want to come together to raise awareness and support a cause that has been severely underrepresented. What started as a small group of eager volunteers has transformed into a nationwide network of over 500 Foundation Family members!





Our annual education event, **Power Over Scoliosis** was held in Baltimore, Maryland in 2019. This course offered the opportunity for patients and families to learn about evidence-based treatment options for spinal deformities. It also brought together the best and brightest in the orthopedic industry along with scoliosis patients and families from all over the country to earn from each other's personal experiences and lean on one another for support.

Special thanks to everyone who supported this event! Your presence and contributions demonstrated the need for continuous patient education and spinal research.





Give Backs Hope is an event that brings families from all over the country together for an evening of fundraising for the advancement of spinal deformity treatment.

This year, medical professionals, grateful patients and families and community leaders assembled at the Maryland Science Center to raise awareness and fundraising support for pediatric spine research. Special thanks to all our guest speakers: Lt Governor Boyd Rutherford, SSSF spokeswoman, Emm Arruda, and guest performer, Cole Moran of BlindWind.

TO ALL OUR SPONSORS















Founded in 1995, the Harms Study Group (HSG) is a collaborative group of surgeons who perform comprehensive, multi-center, prospective research studies focused on adolescent spinal deformities.

As the **Research Division** of the organization, the study group is dedicated to answering important clinical questions regarding treatment approaches, techniques, and best practices. All research is performed with the ultimate goal of improving patient outcomes.



It is an unbelievable privilege to be part of the Harms Study Group. There really is nothing else like it. I am able to share ideas, learn, and think with a group of individuals that move the needle in scoliosis care every day. I leave every meeting energized by the shared passion and dedication to patient care. The Harms Study Group makes me a better surgeon and researcher, and I know that means that we are consistently improving the care we can deliver to our patients.

WHAT WE DO









OUR VISION

Through high quality research, we envision a future where children and adolescents with spinal deformities will have the ability to live healthy, happy, and productive lives.





HSG **MEMBERS**

Firoz Miyanji, MDBritish Columbia
Children's Hospital
Vancouver, Canada



Peter Sturm, MD Cincinnati Children's Hospital Cincinnati, Ohio



Randal Betz, MD
Institute for Spine & Scoliosis
Lawrenceville, New Jersey



David Clements, MD
Cooper Bone & Joint
Institute Camden, New
Jersey



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Mark Abel, MD University of Virgina Charlottesville, Virgina



Josh Pahys, MD Shriners Hospitals for Children Philadelphia, Pennsylvania



Keith Bachmann, MD University of Virgina Charlottesville, Virgina



Steven Hwang, MDShriners Hospitals for
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Munish Gupta, MD Washington University St. Louis, Missouri



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Burt Yaszay, MDRady Children's
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Salil Upasani, MD Rady Children's Hospital San Diego,

California



Michael Kelly MD
Washington University
St. Louis, Missouri



Jack Flynn, MD Children's Hospital of Philadelphia Philadelphia, Pennsylvania



Daniel Sucato, MD
Texas Scottish
Rite Hospital





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San Diego, California

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Stefan Parent, MD, Ph.D. CHU Sainte-Justine Montreal, Canada



Jean-Marc Mac-Thiong, MD **CHU Sainte-Justine** Montreal, Canada



Daniel Hedequist, MD **Boston Children's** Hospital Boston, Massachusetts



Lawrence Lenke, MD Columbia University New York, New York



Michael Vitale, MD Columbia University New York. New York



Suken Shah, MD Nemours Alfred I. duPont Hospital for Children Wilmington, Delaware



Peter Gabos, MD Nemours Alfred I. duPont Hospital for Children, Wilmington, Delaware



Baron Lonner, MD

Mount Sinai Hospital

New York, New York

Columbia University

New York. New York

Ben Roye, MD



Paul Sponseller, MD Johns Hopkins Hospital Baltimore, Maryland



Aaron Buckland, MD New York University New York. New York



Nicholas Fletcher MD Emory Orthopaedics & Spine Atlanta, Georgia

Stephen Goerge, MD

Hospital Miami, Florida

Nicklaus Children's

Michael Glotzbecker, MD Rainbow Babies &

Children's Hospital

Cleveland, Ohio



Amit Jain, MD Johns Hopkins Hospital Baltimore, Maryland



Harry Shufflebarger, MD Paley Orthopedic and Spine Institute, Miami, Florida





2019 SCIENTIFIC PRESENTATIONS



TRAVELING AROUND THE WORLD!

The Harms Study Group had a huge presence this year at seven major annual scientific meetings and courses. These courses allow surgeons from all across the world to share their research findings and ultimately foster the optimal care of all patients with spinal deformities.















2019 SCIENTIFIC PUBLICATIONS

- 1. Lonner BS, et al. Surgery for adolescent idiopathic scoliosis patients after skeletal maturity: early vs. late surgery. Spine Deform. 2019 Jan;7(1):84-92.
- 2. Brooks JT, Yaszay B, et al. Do All Patients With Cerebral Palsy Require Postoperative Intensive Care Admission After Spinal Fusion? Spine Deform. 2019 Jan;7(1):112-117.
- 3. Hollenbeck SM, Yaszay B, The pros and cons of operating early vs. late in the progression of CP scoliosis. Spine Deform. 2019 May;7(3):489-493.
- 4. Burt Yaszay, MD, et al Progressive Decline in Pulmonary Function 5 Years Post-Operative in **Patients Who Underwent Anterior Instrumentation** for Surgical Correction of Adolescent Idiopathic Scoliosis. Eur Spine J. 2019 Jun;28(6):1322-1330.
- 5. Lee Phillips, MD; Burt Yaszay, MD, et al. L3 Translation Predicts When L3 is Not Distal Enough for an "Ideal" Result in Lenke 5 Curves. Eur Spine J. 2019 Jun;28(6):1349-1355.
- 6. Newton, PO, et al. What **Factors Are Associated** With Kyphosis Restoration in Lordotic Adolescent Idiopathic Scoliosis Patients? Spine Deform. 2019 Jul:7(4):596-601...

- 7. Michael P Kelly, MD et al. The Minimum Detectable Measurement Difference for the Scoliosis Research Society-22r in Adolescent Idiopathic Scoliosis: A Comparison with the Minimum Clinically Important Difference. Spine J. 2019 Aug;19(8):1319-1323.
- 8. Jean-Marc Mac-Thiong, MD. PhD. et al. Criteria for Surgical Reduction of High-Grade Lumbosacral Spondylolisthesis Based on Quality of Life Measures. Eur Spine J. 2019 Sep;28(9):2060-2069.
- 9. Alzakri, A., Mac-Thiong, JM. Restoration of normal pelvic balance from surgical reduction of high-grade spondylolisthesis. Eur Spine J. 2019 Sep;28(9):2087-2094.
- 10. Koller, Newton PO et al. Prediction of spontaneous lumbar curve correction following posterior selective thoracic fusion in adolescent idiopathic scoliosis using logistic regression models and clinical rationale. Eur Spine J. 2019 Sep;28(9):1987-1997.
- 11. Usmani MF. Shah SA. et al. The role of crosslinks in posterior spinal fusion for cerebral palsy-related scoliosis. Spine (Phila Pa 1976). 2019 Nov 1;44(21):E1256-E1263.

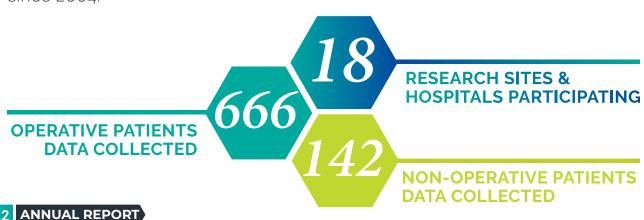
- 12. Toombs C. Lonner B. et al. The Adolescent Idiopathic Scoliosis International Disease Severity Study: Do Operative Curve Magnitude and Complications Vary by Country? Spine Deformity. 2019 Nov 7; 7(6): 883-889.
- 13. Bastrom TP, Newton PO, et al. Patient-Reported SRS-24 Outcomes Scores After Surgery for Adolescent Idiopathic Scoliosis Have Improved Since the New Millennium. Spine Deform. 2019 Nov:7(6):917-922.
- 14. Hwang, et al. Lower SRS Mental Health Scores are Associated With Greater Preoperative Pain in Patients With Adolescent Idiopathic Scoliosis. Spine (Phila Pa 1976). 2019 Dec 1;44(23):1647-1652.
- 15. Newton PO, et al. The 3D Sagittal Profile of Thoracic Versus Lumbar Major Curves in Adolescent Idiopathic Scoliosis. Spine Deform. 2019 Jan;7(1):60-65.
- 16. Jain A, et al. Cost-utility analysis of operative versus nonoperative treatment of thoracic adolescent idiopathic scoliosis. Spine (Phila Pa 1976). 2019 Mar 1;44(5):309-317



CEREBRAL PALSY SCOLIOSIS STUDY A PROSPECTIVE DATABASE REGISTRY STUDY

Grateful acknowledgement to our sole sponsor of this research study: **Stryker/ K2M**, **Inc**.

Leading the charge for this study is primary investigator, **Paul Sponseller, MD**, who is the Chief of the Division of Pediatric Orthopaedics at Johns Hopkins Children's Center. Dr. Sponseller has been a member of the Harms Study Group since 2004.



CEREBRAL PALSY SCOLIOSIS RESEARCH DISCOVERIES IN 2019

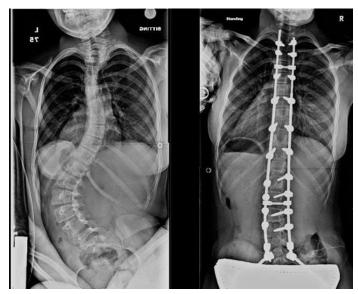
Research findings presented at Scoliosis Research Society Annual Meeting

Positive effects of Posterior Spinal fusion in children with Cerebral Palsy: Drs. Pat Cahill & Keith Baldwin studied the change in weight percentile in patients and found that corrective spinal surgery may improve weight percentile in patients who start out at 50th weight percentile and lower.

Spinal Alignment after spinal fusion and worsening hip status in Cerebral Palsy children: Dr Aaron Buckland evaluated patients with 5 years of post-operative follow-up and found that worse hip status is associated with hyperlordosis (>60 degrees) in non-ambulatory patients with cerebral palsy and scoliosis

Identification of selection criteria for fusing short of the pelvis in Cerebral Palsy Scoliosis: Dr. Paul Sponseller found that children with pelvic obliquity <16 degrees, GMFCS of 4 or less without the presence of a subluxed hip, and with Thoracic kyphosis of >38 degrees may be ideal candidates for sparing the pelvis during posterior spinal fusion.

Performing a Definitive Fusion for Scoliosis in Juvenile Cerebral Palsy (CP) Patients is Good Long-term Surgical Option: Dr. Burt Yaszay found that a definitive fusion is a viable young patients (ages 8-10 years) with scoliosis, and achieves a good correction and remains stable at 5 years post-operatively.



Cerebral Palsy X-Ray

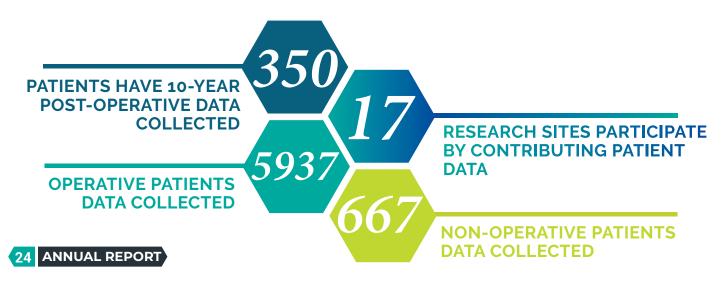
Paul Spotsallet. MD



IDIOPATHIC SCOLIOSIS STUDY A PROSPECTIVE DATABASE REGISTRY STUDY

We are extremely grateful for the long-standing support from the primary sponsor of this research effort, **DePuy Synthes Spine**, **Inc**. In addition, we are thankful for the support from adjunct sponsors of this study: **NuVasive and Stryker/K2M**, **Inc**.

Dr. Peter Newton remains at the helm of this study as the primary investigator. This database registry is the largest, highest quality, comprehensive, longitudinal series of operative outcomes in Idiopathic Scoliosis.



IDIOPATHIC SCOLIOSIS RESEARCH DISCOVERIES IN 2019

Research findings presented at Scoliosis Research Society Annual Meeting

Residual Curve and Truncal Shift Impact Patient Satisfaction after Surgery for Idiopathic Scoliosis: Dr. Amit Jain evaluated over 1200 patients with Idiopathic Scoliosis and found that dissatisfaction, as reported through a health related quality of life questionnaire at 2 years post-operatively, is associated with a residual trunk shift and major curve deformity.

The Ultimate Patient Reported Outcome Tool: Dr. Baron Lonner unveiled his newly developed, patient-specific outcomes assessment tool called the Patient Generated Index (PGI). He tested this new tool with 45 patients and their parents and found that IS patients and their parents reported different concerns and decision regret regarding surgical treatment. The PGI provides unique insight into patient and parental views toward the disease and treatment.

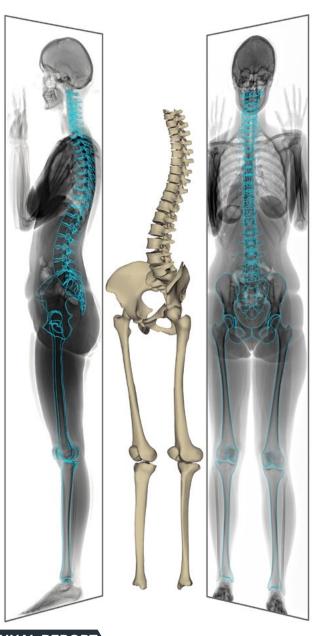


FISCAL YEAR 2019 REVENUE & SUPPORT

INDUSTRY RESEARCH STUDY SPONSORS,

SPECIAL EVENT SPONSORS,

DONORS & ALL INCOME:



78%

INDUSTRY/SOCIETY RESEARCH GRANTS

10%

CHARITABLE DONATIONS

4%

SPONSORSHIPS

4%

INVESTMENT INTEREST

3%

DATABASE

1%

SPECIAL EVENTS/ EDUCATION

26 ANNUAL REPORT

FINANCIAL REPORT FUNCTIONAL EXPENSES

89%

EIGHTY-NINE

PERCENT OF EVERY
DOLLAR WE RECEIVE
GOES DIRECTLY TO

OUR MISSION AND OUR COMMITMENT

44%

RESEARCH AND STUDY EXPENSE

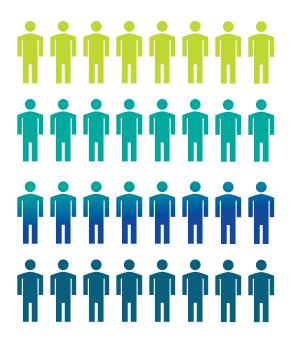
39%

RESEARCH & EDUCATION COORDINATION

15%

MANAGEMENT & GENERAL

2% FUNDRAISING EXPENSES



Countless children's lives

across the globe have been positively impacted by the work of The

Harms Study Group and Setting Scoliosis Straight

2019 GIVING







DOUBLE DIAMOND:

\$1,000,000+

DIAMOND:

\$500,000 - \$999,999

DePuy Spine, Inc.

PLATINUM:

\$250,000 - \$499,999

Stryker

GOLD:

\$100,000 - \$249,999

EOS Imaging Inc. Medtronic Spinal

SILVER:

\$10,000 - \$99,999

Nuvasive

CHU Sainte-Justine

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BRONZE:

\$5,000 - \$9,999

Food and Drug Administration

Globus Medical

National Scoliosis Center -

Baltimore

Scoliosis Research Society

COPPER:

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WITH APPRECIATION

PATRON:

\$25,000 - \$49,999

Goldfarb, Jeffrey and Stacey Johnson & Johnson -Donate a Photo Johnson & Johnson PAC Match -Employee Donation Lonner, Baron, MD Newton, Cathy & Peter, MD Welch, Mr. & Mrs. William

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ANNUAL REPORT

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SHARE YOUR **STORY!**

Each patient with a spine deformity has a unique story to tell. Setting Scoloiosis Straight has shared over **50 inspirational stories** from patients who have had spinal treatment and wish to give hope to others.



your personal experience and journey with scoliosis.



SEND

us your story via email along with several pictures of yourself.



SHARE

your persona page on our website with friends and family.



PATIENT STORY IZZY MARZANO

My name is Izzy & I'm 14 years old. Three and a half years ago, at my annual school physical, my doctor noticed I had a curve in my spine when I bent over. She referred me to Rady Children's Hospital where I met with Peter Newton, MD, a Pediatric Spine Surgeon. He told me I had Adolescent Idiopathic Scoliosis also known as AIS and a double curve of my spine. Dr. Newton described the degree of my curves as 20 degrees thoracic and 40 degrees thoracolumbar. He said I had two options. The first was bracing my spine. The second option was fusion surgery. When I heard the options, I chose bracing. I wore my brace religiously for 22 hours every day until my curve slowly reduced and now I'm scoliosis and brace free!



2019 HSG **ACCOMPLISHMENTS**



NEW SRS PRESIDENT

Peter Newton, MD handing over the SRS Presidency to HSG member Paul Sponseller, MD at the 2019 Scoliosis Research Society's Annual Meeting in Montreal. Canada.

SURGEON PERFORMANCE PROGRAM

The Setting Scoliosis Straight Surgeon
Performance Program (SPP) Quality
Improvement Initiative is now featured in
US News & World Report's 2019 survey
for ranking pediatric hospitals! We
are honored for this recognition as we
continuously strive to enhance our QI effort
and promote optimal patient care on a
global scale.





MENTORING EVENT

Dr. Suken Shah and his team at the the Nemours Spine and Scoliosis Center held a hospital wide 2019 Scoliosis Awareness Day and raised funds for scoliosis research and patient advocacy. The proceeds of this effort were donated to Setting Scoliosis Straight!

SURGEON PERFORMANCE PROGRAM

The Setting Scoliosis Straight Surgeon Performance Program is a quality improvement initiative designed for orthopedic surgeons to help optimize performance and improve patient outcomes in the treatment of Idiopathic Scoliosis, Neuromuscular Scoliosis & Pediatric Spondylolisthesis. Through participation in this quality improvement registry and routine dashboard reporting, surgeons can evaluate their performances and advance patient care.



The Surgeon Performance Program has been approved by the American Board of Orthopaedic Surgery (ABOS) Maintenance of Certification (MOC) Committee as an alternate choice for earning self-assessment examination (SAE) credits for the Board's MOC process.

The program is featured in **US News & World Report's** survey for ranking pediatric hospitals! We are honored for this recognition as we continuously strive to enhance our quality improvement efforts and promote optimal patient care on a global scale.

- Track patient/surgeon variables to evaluate and improve treatment processes and patient outcomes.
- Utilize comparative practice data in dashboard reports, which highlight where a surgeon 'ranks' relative to his or her peers.
- Identify best practices through shared learning and self-evaluation, and use data to guide a personalized quality improvement journey!



Sample SPP Dashboard Report: Operating Room (OR) Time

Visit our website for more information www.registries.settingscoliosisstraight.org

This program would not be possible without the generous support from Medtronic and NuVasive!





THERE ARE MANY WAYS TO GIVE

Whether it is money or time, there are many ways to give to the **Setting Scoliosis Straight Foundation** to help us support discoveries and advance techniques in the treatment of spinal deformities in children and adolescents worldwide.





JOIN A PEER-TO-PEER FUNDRAISER

Peer to Peer Fundraising is a social/team/personal fundraising method in which our supporters fundraise on behalf of the SSSF.



START YOUR OWN FUNDRAISER

Organize an event such as a sporting event or tournaments, 5K Walk/Run, Fashion Show and Dance-off to raise money for the SSSF. To get started, fill out the application below.





The shopping sites, apps and rewards programs below offer easy ways to help Setting Scoliosis Straight.











SSSF INFRASTRUCTURE

Our staff is a reflection of the diverse patient population we serve; several of whom have been with the organization since its inception – nearly twenty-five years!



MICHELLE MARKS

Executive/Research Director



MATY PETCHARAPORN
Research/Database Manager



HARVEY LYResearch/ Development/ Webmaster



TRACEY BASTROM
Statistician



JON MARIE BASEL
Contracts/ Finance Manager



MARY DALUPANG
SPP Database Manager



KERRY BETANCOURT
Research Assistant



HEATHER GUERRESOResearch Assistant



MONICA LEE
SPP QI Manager



MELODY DICKResearch Assistant



JAMIE ANDERSONDevelopment Manager



ADAM BONDResearch Assistant



HEIDI FERNANDEZ
Research Assistant



ALAN SANCHEZ
Administrative Assistant



SCOLIOSIS HANDBOOK & FAQ VIDEOS

The Setting Scoliosis Straight Foundation is proud to share our multi-chapter scoliosis video handbook with you and your family. The core purpose for creating this video is to educate and support scoliosis patients, their families, friends and the entire scoliosis community. Twenty-five years of research from the Harms Study Group, have been used to create this scoliosis video focused on evidence based information.

TOPICS INCLUDE:

- ✓ What is Scoliosis?
- How to Detect Scoliosis
- ✓ What is Scoliosis Bracing?
- ✓ What is Scoliosis Surgery?
- ✓ What to Expect Before and After Surgery
- ✓ Life After Scoliosis Surgery
- Future Pregnancy



We have also created multiple FAQ videos to provide additional information to newly diagnosed patients with evidence-based information from the Harms Study Group surgeon members around the country.

TOPICS INCLUDES:

- Scheuermann's Kyphosis
- Body Casting
- ✓ Halo Traction
- Tethering
- Schroth Method
- Pregnancy After Scoliosis



IN LOVING MEMORY OF KENT RUSSELL

We were truly blessed to have known and worked with Kent from **FatBox Inc.** over the past 2 years. These videos woudn't have been possible without the help from Kent and his team. Our deepest and most sincere condolences go out to Kent's family and loved ones.





The summer of 2016, I had just graduated from elementary school and was about to start grade nine at a new school with new people. Growing up I had always gone to a separate Catholic school and I was now moving to a public school. I was excited but nervous to start this new chapter as any other 14-yearold is. One night my back was sore so I asked my mom to rub it, I bent over a chair and I heard her gasp, asking what was wrong with my mom kept asking me to straighten my back out and I kept responding that I was. Instantly my mom started freaking out saying she was bringing me to Sick Kids the next day. As I've grown up in and out of hospitals, I immediately declined to tell her I just wouldn't go, and she was overreacting. As we kept arguing about it, we settled on visiting the local hospital the next day to get an x-ray. We got up and went and I was sent for my first of three x-rays that day. After the first one, I remember sitting in the room while being so angry at my mom for bringing me there, I was convinced she was overreacting, and nothing was wrong. The doctor came in within 15 minutes of the scan saying they needed to take some more photos and run over the images. Me being confused I followed the doctor where we proceed to have two other scans done. Now, I was nervous. I knew something had to be wrong if they were asking me to have multiple scans done. 20 minutes later we were called out by the doctor to review the x-rays. Staring back at me as my throat ran dry and my eyes started to well up, I saw the x-rays reflect the curve of my spine, the reason behind my reaction was the doctor saying that the only option I had was surgery. I was in disbelief.



To read Emily's full story, visit our website at:

2020 ANNUAL EVENTS

DUE TO CONCERNS SURROUNDING THE CORONAVIRUS (COVID-19) OUR 2020 EVENTS ARE GOING VIRTUAL.

Power Over Scoliosis, a FREE and comprehensive program created to educate scoliosis patients and their families on proven (and unproven) scoliosis treatments will be an Online Webinar course this year. This course will be FREE and anyone can join!

We are excited to keep the momentum, publicity, and energy of our 2020 fundraiser without a live in-person event by holding a 'non-gala' (online fundraiser) this year.

This fundraising effort is critical to raise funds for scoliosis research & to improve patient care worldwide.

POWER OVER SCOLIOSIS

ONLINE WEBINARS

MAY 30, 2020

Evidence-based info and Q&A with surgeons.

JUNE 20, 2020

Peer-to-Peer patient info sharing and Q&A with patients and surgeon moderator.

*Dates and content subject to change

AHEAD OF THE CURVE NON-GALA

What is a Non-Gala?

The non-gala is a virtual fundraiser that gives you the opportunity to make a charitable tax deductible donation without leaving the comfort of your own home.





San Diego, CA 92108