How we became accidental advocates



Dr. Robert Campbell & Dr. Melvin Smith's Miracle Transformation of "Devin Alvarez" through the Titanium Rib Implant

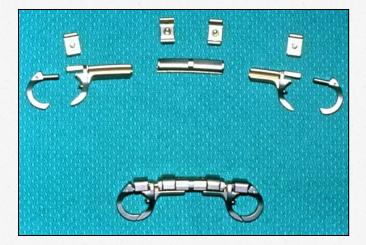
Devin is given a terminal diagnosis by his orthopedic surgeon, who also suggested that a fellow in Texas named Robert Campbell may be able to help. After contacting Dr. Campbell and going through the proper steps, Rixys learned of a clinical trial, the Titanium Rib Project, that was studying a device that was not yet FDA approved and was not covered by insurance. Out of desperation, Rixys started an awareness campaign that led her to then Florida Senator, now US House of Representative's Member Debbie Wasserman Schultz



Vertical, Expandible Prosthetic Titanium Rib (VEPTR)

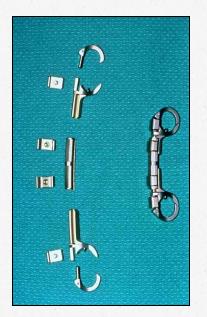
Expansion Thoracoplasty:

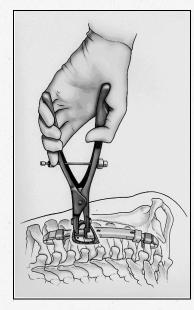
Prosthetic replacement of chest wall defects
Longitudinal Chest Wall distraction for fused ribs
Lateral Chest Wall distraction for short rib syndromes
Correction of thoracic distortion by infantile scoliosis

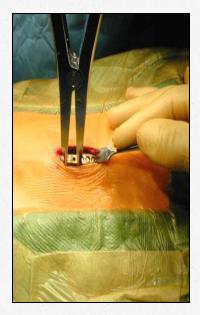


Expansion Thoracoplasty: Dynamic Reconstructive System

Implantation Surgery Expansion surgery: every 4 to 6 months in out-patient surgery



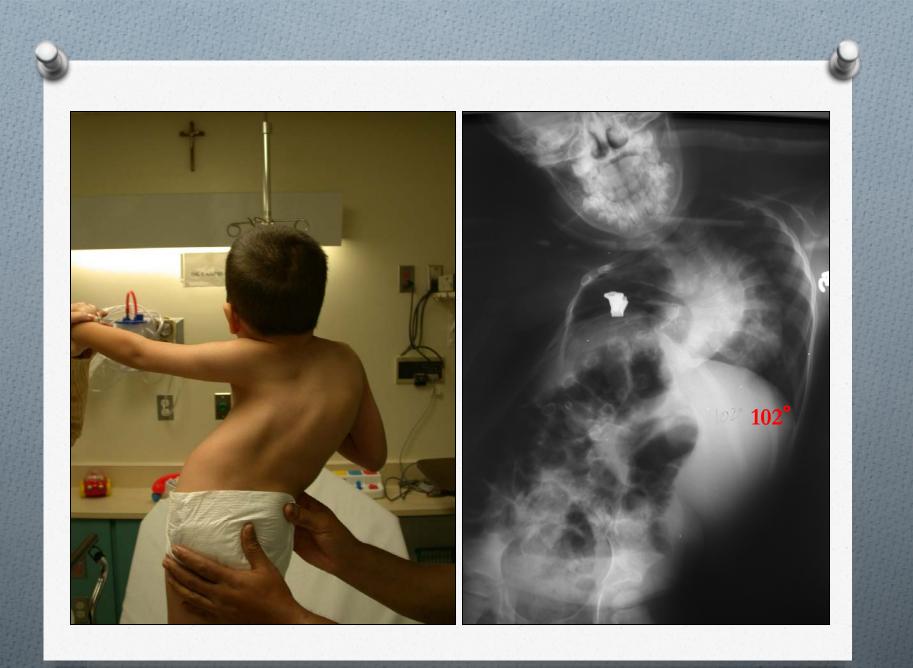




Devin at age 4

42° curve at birth, rapid progression after age 12 months, Milwaukee brace for 1¹⁄₂ years, unable to tolerate further use



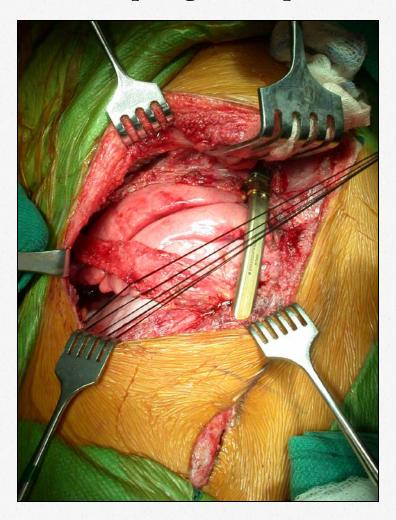


The concave, constricted hemithorax is carefully *lengthened* over 30 minutes by a rib spreader



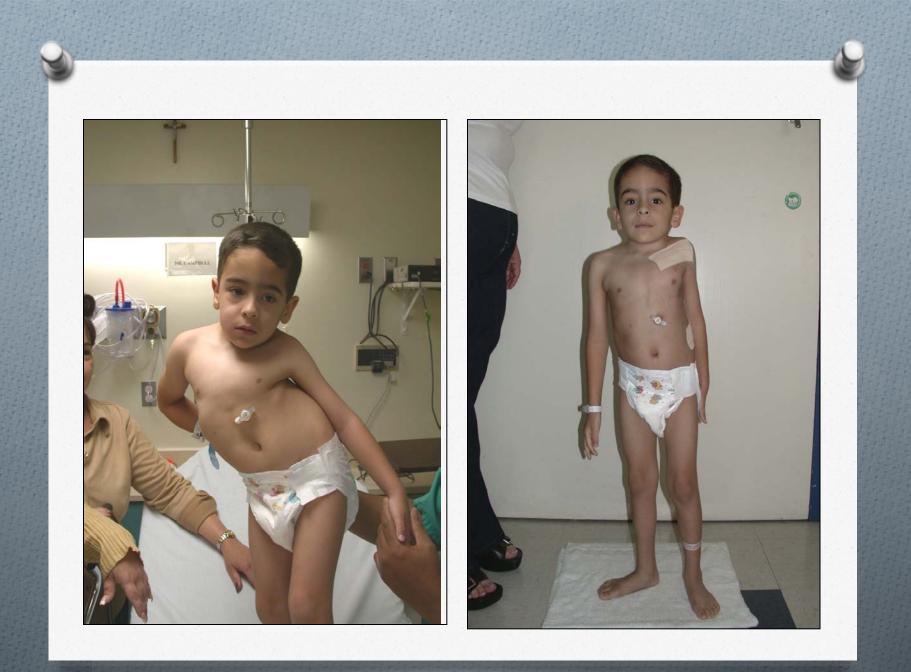


Correction is stabilized by titanium ribs, the diaphragm transposed distally to further enlarge the chest











Meeting with the Honorable Governor John "Ellis" Bush to create advocacy for the Florida State Med-Waiver Program

Our story received national attention via Good Housekeeping Magazine in a story titled Saving the Smallest Patients



Saving the smallest

What they need most, they often can't get. Why children are being cheated-and what doctors are doing about it BY LISA COLLIER COOL

ft was Labor Day, and Alina Schmidt "Without treatment, Logan had a was relaxing by a friend's pool in Ak-ton, Ohio. Cradling her week-old 15th birthday," Dr. Clark says. "And uby in her arms, she watched as her Laikyn was also in serious iconards." There other kids played and her hus-here other kids played and her hus-her odered the blood tests that would show conclusively whether the children denly, there was a load splash. Alista bolked up and saw that her four-yeas-class of heart druge called beta-blockers old son, Logan, had jumped into the while they waited for the results on his back, held afloat by his water firmed the diagnosis. The children wings. 'I thought he was doing a back float, but then his head dropped un-2001, Dr. Clark implanted a defibeil derwater, with his mouth open," says lator in Logan's chest to monitor his Alissa. "I started screaming, and our heart's shythms and to jolt it back to friend jumped in and grabbed Logan. normal in case of an irregular bear. Bill tried CPR and pounded on Logan's back, but nothing worked." Laikyn, however, didn't qualify for this therapy, the most effective for the As an ambalance walled up the disorder, Why? The wires needed to driveway, the boy finally gave a tiny cry and opened his eyes. He seemed too thick to fit through her veins; the fine by the time he got to Akaon Chil-dren's Hospiral. Even so, John Clark, more than 40 pounds. "Defbrillator

M.D., the pediatric cardiologist treat- were made for adults, not four-year ing him, gave Logan an EKG. The olds," says Dr. Clark. The Schmidts were terrified. "I fel: sults showed that Logan probably often fatal discoder of the beart's elec-and 1 prayed every day that nothing trical rhythms. Because the condition would happen," says Alisna. After often runs in families, Dr. Clark then year, Logan's defbrillator started kick checked the Schmidts' three other kids. He discovered that Logari these-ycar-old since, Lakyn, most likely also had long QT.

problems. "If you push blood through a pur oo fast, it could cause damage to red blo cells," says David Wang, Ph.D., a biomedical engineer with CardiacAssist who is working to develop a heart pump for babies. "But if you move it too slowly, there's a risk that a clot could feem. And you have to make all this work with a tube that's smaller than a coffee stirrer." Plus, children grow, so medical equipment must be made in a range of sites for kids of different ages or be designed to grow along with them. "If a child needs an artificial joint like a knee or a hip, all we can do is order a custos device," says Dr. Campbell. "Then, when the lod gets bigger, we have to have a larger one made. They cost thousands of dollars, and making them can delay treatment for months."

But even in this environment, there have been a number of innovations. When Devin Alvanu of Hinleah Gardens, Florida, was born, he was missg six the and had a very small left long and doey. "Doctors said he might not live through the night," says his morn, Rixys Diaz. Devin did survise, but as he grew, his spine became horribly need. He stroggled to stand and to play, and at

Tatanta change of the set were and the proof a sur-generation or sight be able to below." That surgeon was Dr. Campbell, who had in-ments to work for kids. The task force also seen works on work for kids. The task force also seen works on work for kids. an child grown. In May 2002, Dr. Campbell was able to include Devin in a research study involving gulatory process tords to be easier. "These change

rib-implant surgery. The results were astonishing, "Desin went from having a 102-degree curvatuat". • We want to make children's liver better.". • of his spine to standing up

straight," Rives says. "When he saw himself in the mir-

he use kined? In the met-try of, his regression of larger try of, his regression of larger try of the soften of the soft of the soften of the soften of the soften of the soften of the soft of the soften of the larger of the soften of the larger of the soften of the soften of the soften of the soften of the larger of the soften of the soften of the soften of the soften of the larger of the soften of the soften of the soften of the soften of the larger of the soften of the soften of the soften of the soften of the larger of the soften of the soften of the soften of the soften of the larger of the soften of the soften of the soften of the soften of the larger of the soften of the soften of the soften of the soften of the larger of the soften of the soften of the soften of the soften of the larger of the soften of the soften of the soften of the soften of the larger of the soften of the soften of the soften of the soften of the larger of the soften of the larger of the soften of the s they're very unlikely to have the same skills as pediatric surgrons who use it every day." Plus, it a kids' version of a certain device doesn't exist, Academy of Pediatrics task force, headed by Dr. Abcamoo, held four brain-other the experts at a children's hospital will be more adept at improvising other thenapies because they've encountered similar problems in the p



Mommy, I'm not sick anymore!" Devin said looking in the mirror.

storming meetings in 2004. Among the suggesngething, he still had to crawl up the stairs. "One doctor said nothing could be done," says Rixys. National Institutes of Health to help doctors get

ierrs is the next

In 2007 we made a national impact & realized the importance of sharing our story. With our consent to participate Dr. Campbell and US Senator Christopher Dodd shared our story to introduce Senate Bill 830 Pediatric Medical Device Safety & Improvement Act of 2007

S. 830—The Pediatric Medical Device Safety and Improvement Act of 2007 On March 8, 2007, Senator Christopher Dodd (D-CT) introduced S. 830, the Pediatric Medical Device Safety and Improvement Act of 2007. A House companion, H.R. 1494, was introduced by Representative Edward Markey (D-MA) on March 13, 2007. The bills are aimed at encouraging the development of medical devices for use by children. Provisions would require NIH, FDA, and AHRQ to develop a plan for expanding medical device research and development. Provisions would also require the Secretary, HHS, to provide grants to a non-profit consortium, which would be tasked with facilitating the development of pediatric devices, by connecting individuals with ideas for pediatric devices with potential manufacturers. The consortium would be required to coordinate with NIH in these efforts and would be responsible for notifying NIH of any unmet needs that the consortium lacks sufficient capacity to address. S. 830 was referred to the Senate Committee on Health, Education, Labor and Pensions (HELP).

Our story received national attention via The Learning Channel's Amazing Medical Stories & once again we were able to advocate for rare disorders.



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KEY BISCAYNE, Fla. (WSVN) -- The International Kids Fund called on the public to help a toddler with a life threatening heart defect at a Friday morning news conference in Virginia Key.

The organization, making their plea from the Rusty Pelican restaurant, is asking the public to fund corrective surgery for 1-year-old Haitian Johnsley Mainville, whose condition makes it hard for him to get enough oxygen. Medical experts say that the boy will have a maximum of one year to live if not adequately treated. Doctors, whom project the surgery to cost about \$60,000, hope to have all of the necessary funds collected within the next two weeks.

Ten-year-old Devin Alvarez, who himself has undergone more than 20 surgeries to correct a problem with his backbone, believes the public cannot justify withholding a contribution of any size. "If this boy dies, it will be a life lost for no reason," said Alvarez. "This boy must live."

Haitian doctors were unable to diagnose Johnsley's condition until he was about a year old. U.S. doctors say that had Johnsley been born on American soil, his defect would have been detected at birth and subsequently fixed.

The 1-year-old, his mother, Bodeline Deaubiem, and two nuns who run humanitarian missions are in South Florida on humanitarian visas. Deaubiem is well aware of the opportunity those visas have afforded her ailing son. "I have hope for my baby, and I cannot thank the United States of America enough for that," said the toddler's mother.

Read more: http://www.wsvn.com/news/articles/local/MI68177/#ixzz20517Rj4e

Rixys, Devin and Dr. Campbell were invited to make an appearance on the national CBS Show, The Doctors. They were able to share their story and once again advocated for rare disorders & pediatric devices.



Rixys reached out to U.S. House of Representatives

Member Debbie Wasserman Schultz and the National Organization of Rare Disorders and initiated what later passed as Federal House Resolution 1499 which "Honors Dr. Robert Campbell for his lifelong devotion to children's health care; Recognizes the Vertical Expandable Prosthetic Titanium Rib device which has save the lives of so many infants and children, while giving hope to their families; and "Calls on the Food and Drug Administration to continue to support and incentivize other medical advances to save children's lives threatened by rare disorders."



GOVERNOR CHARLIE CRIST APPOINTS RIXYS ALFONSO TO THE FLORIDA DEVELOPMENTAL DISABILITIES COUNCIL

TALLAHASSEE – Governor Charlie Crist today announced the following reappointment and appointments:

FLORIDA DEVELOPMENTAL DISABILITIES COUNCIL

Rixys Alfonso, 38, of Pembroke Pines, Vice President of Development, Here's Help Inc., succeeding Judith Owen, appointed for a term beginning October 7, 2010, and ending September 30, 2014.

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In honor of her community work as a parent advocate, Rixys Alfonso was invited by the Federal Bureau of Investigations to participate and graduated from the FBI's Citizen's Academy.

U.S. Department of Justice Federal Bureau of Investigation Miami Division

Presents this certificate to

Rixys Alfonso

on this day

May 26, 2011

For successfully completing the FBI Citizens' Academy program and demonstrating a commitment to the FBI mission

Robert S. M Direct

2012 Today, Devin is 15 and has enjoyed a life filled with love, happiness and advocacy!









