

# PONY

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Morgan Stanley Children's Hospital of New York-Presbyterian/Columbia University Medical Center

## New Center Opens: Just for Little Hands

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The newly opened Pediatric Hand Center offers extensive expert care.

In growing children, injuries to bones, muscles, ligaments, tendons and joints of the hand are often quite different from conditions more commonly seen with older patients. Special training and experience in pediatric hand surgery allows our specialist to appropriately treat the unique hand related medical needs of children. Approximately 5% of babies are born with a congenital difference of the hand. A hand specialist will recommend the appropriate treatment – surgical or non-surgical. *(continued in page 3)*



A child with congenital adactyly (absence of fingers), will undergo surgery to gain functionality in the hand.



Shao Gou flown to US to receive a new leg

### SHAO GOU – Now on two legs

When seven year old Shao Gou was three, she suffered a terrible accident. Because both of her parents were working, she was left unattended and picked a spot to play under a parked truck. As the truck driver backed up, he had no idea she was there. Her injuries resulted in the amputation of her right leg and hip, and abandonment by her parents at the hospital. After a year of hospitalization Shao Gou was forced to live at the orphanage in Suzhou – where she stayed bedridden and isolated from the other children until Drs. Roye and Hyman, along with a team of doctors visiting in China, met her during their 2006 Nanjing mission. Each year, the Children of China Pediatrics Foundation (CCPF) sponsors a medical trip to provide care to disabled children living in China's orphanages.

*(continued in page 2)*

## Updates

- Drs. Roye and Hyman were featured speakers at an Orthopaedic Medical Conference at the Beijing Children's Hospital in China. Over seventy surgeons from throughout the country participated as they watched the doctors perform surgery via live video in the morning, and discussed the procedures in afternoon sessions.

- Drs. Vitale and Roye presented "Avoiding Fusion in Early Onset Scoliosis – VEPTR and Growing Rods" in a Webcast to surgeons around the world. An archive of the presentation is available at [www.childrensorthopaedics.com](http://www.childrensorthopaedics.com)

- A leading authority in infectious diseases, Lawrence R. Stanberry, MD, PhD, has been named chair of the Department of Pediatrics of Columbia University College of Physicians and Surgeons and pediatrician-in-chief of Morgan Stanley Children's Hospital of New York-Presbyterian. When he assumes these roles in February 2008, Dr. Stanberry will oversee a 500-member department and direct its patient care, research and educational initiatives. The department has pioneered numerous advances, including innovative approaches to the treatment of respiratory distress in premature, pre-term, and full-term infants in the neonatal intensive care unit, and is engaged in current research into targeted therapies for pediatric cancers and stem-cell treatments for diabetes.



Michael and Kerry Tepedino, with their son and Dr. David P. Roye, Jr, hosted a carnival in their backyard and raised over \$20,000 for Pediatric Orthopaedic Research



*Dr. Roye, with the aid of a translator, giving a lecture on Spine Surgery*

## Shao Gou: Now on Two Legs *(continued from page 1)*

In addition to Shao Gou's amputation, she was also in need of a colostomy, performed by Dr. John Schullinger, to eliminate the need for diapers and give her freedom to move around and be pain free from bed sores. While she was a good candidate for a prosthesis, this could not be done in China.

Shao Gou became a special mission for CCPF. She and her caregiver Molly were recently flown to the US for a further surgical evaluation and fitting for a new leg. Thanks to the generosity of Dorothy and Philip LaRussa, MD, Shao Guo found a loving host family. Only weighing 30 pounds, Shao Guo displayed tremendous agility and balance on one leg, hopping around the house, the playground and beach. She was fitted for a new leg, donated by East Coast Medical's CEO Vincent Benenati, and she began the intensive therapy to learn to walk with two legs. Through her ordeal Shao Gou has shown incredibly courage, determination and spirit.

Dr. David P. Roye, Jr, Medical Director of Children of China Pediatrics Foundation, will be honored at their upcoming gala on Thursday, April the 17th.

For more information regarding tickets or ad journal, visit [www.chinapediatrics.org](http://www.chinapediatrics.org)



## New Center Opens: Just For Little Hands

(continued from page 1)

### Common Hand Disorders Treated at the Pediatric Hand Center:

- *Syndactyly, or Webbed Fingers*: a failure of differentiation during pregnancy, in which fingers fail to separate into individual appendages.
- *Radial Club Hand*: an absent or incomplete radius bone, absent or incomplete thumb, deviation of the wrist toward the thumb's side and some degree of neuromuscular deficiency.
- *Camptodactyly/Clynodactyly*: due to a flexion deformity of one of the fingers where it is bent and can not be straightened.
- *Congenital Trigger Finger*: when the digit, almost exclusively the thumb in children, locks or catches when its fixed and extended.
- *Aplasias/Duplications/Hypoplasias*: congenital differences that arise from errors during the genetic development of the hand – absent limbs, absent digits or missing portions of the hand.

### Our Hand and Upper Extremity Specialists



Dr. Melvin P. Rosenwasser is the Director of the Orthopaedic Hand and Trauma Service at New York-Presbyterian Hospital. With numerous publications on surgery of the upper extremity as well as trauma-related surgery for both upper and lower extremities, Dr. Rosenwasser's combination of specialties of orthopedic

hand and trauma surgery provide patients with a unique specialist.

Dr. Robert J. Strauch, a Professor of Clinical Orthopedic Surgery, joined the faculty of Columbia in 1992 and since has been engaged in a full-time practice of hand surgery. Fellowship trained in the specialty of hand surgery and microsurgery, Dr. Strauch uses non-surgical methods as well as surgical.



### Treatments

An evaluation by a hand specialist will provide parents and referring physicians important information to evaluate options. Millions of steps are required for a normal hand to be formed; a failure in any step will result in a congenital disorder. Immediately after the birth of a baby with a congenital difference of the hand, parents will feel pain, anger and even guilt, which are normal emotions to have. Hand surgeons help parents understand their options and the impact they will have as their child grows and the body changes. Non-surgical treatments may include passive stretching exercises or splinting. Surgical treatment of a child's hand will vary depending on the age of the child and severity of the disorder. To discuss a hand disorder, call one of our specialists, or make an appointment for the Pediatric Hand Center.

### Meet Our Staff: Rachel Lyons, DrNP

The Division continues to grow and add new team members! Rachel Lyons, DrNP has joined the Pediatric Orthopaedic Division as a faculty pediatric nurse practitioner. In her capacity, she will be responsible for providing and coordinating patient care and education.

A native of Rhode Island, Dr Lyons was among the first graduates of Columbia University's new Doctorate in Nursing Program in May 2007. The unique training provided by this program focuses on complex diagnostic and treatment skills, in addition to health promotion, disease prevention, and health education.

Lyons' prior experience includes pediatric acute and primary care at Hasbro's Children Hospital in Providence, RI. This is where her interest in pediatric orthopaedics started as she was caring for children and their families with trauma and emergent needs in the Emergency Department. In addition, Lyons has served as adjunct faculty at Salve Regina University and Columbia University.

Delighted to be part of the staff, Dr Lyons states that education is her favorite part, "everyday that I teach, I learn."



Rachel Lyons, DrNP

*Check the new “Clinical Guidelines for the Management of Scoliosis in Rett Syndrome 2008”, at [www.childrensorthopaedics.com](http://www.childrensorthopaedics.com)*

**THE DIVISION OF  
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**Orthopaedics Receive NIH Funding**

Dr. Francis Y. Lee, recently appointed Vice Chairman in the Department of Orthopaedic Surgery, is one of a handful of orthopaedic surgeons to have received an NIH-R01 Research Grant. Dr. Lee, specializing in musculoskeletal tumors and bone disease, combines his interest in research with his clinical work. His NIH funded research will focus on two fundamental issues in musculoskeletal oncology: 1) reconstruction of massive skeletal or muscular defect after complete surgical removal of a tumor; 2) life saving with respect to tumor recurrence, and spread of tumors to lungs and death. These two multidisciplinary research programs are innovative, human disease-oriented translational research projects which meet the goals of the new NIH Roadmap.

**Serving the Tri-State area with 10 convenient locations**

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For an appointment at any of our locations call:

**Appointment Scheduling: 212-305-4565**

**Visit our website [www.childrensorthopaedics.com](http://www.childrensorthopaedics.com)**

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