



Connections



A Newsletter from the Pediatric Orthopedic
Training Program

Rady Children's Hospital – San Diego and University of California – San Diego

Issue 3 – 2007



Mubarak



Wenger



Chambers



Newton



Wallace



Pring

Message from the Director

Dennis R. Wenger

Introduction

As per tradition, the Spring season brings us to a new edition of Connections, the newsletter of the Children's Hospital-San Diego/University of California-San Diego Children's Orthopedic Training Program. Our goal is to keep former fellows, residents, friends and colleagues updated on the activities of our department, as well as on future plans for the training program. We continue our mission of providing world class patient care, outstanding resident and fellow education, and focused research related to children's orthopedic conditions.

Activities at the Hospital

Certain traditions continue with little change, however in many areas there is evolution and transition. Despite a national concern regarding the number of

orthopedic residents who choose a fellowship in children's orthopedics, we continue to get outstanding applicants for fellowships in children's orthopedics and continue to fill our program. Our current fellows, who are completing their year of training, as well as the four new fellows who will begin on August 1, 2007, are featured in this newsletter. In addition, the fellowship group for the 2008-2009 year has been finalized and includes four fellows from outstanding residency programs.

We continue to train outstanding young orthopedic residents from UCSD, the San Diego Naval Training Center, and the Wilford Hall Air Force orthopedic program in San Antonio. Each year we have international fellows, as well as short-term visiting fellows, from throughout the world, who come for several weeks or months to be exposed to the "San Diego approach".

Our group of nurse practitioners and physician assistants supplement the care provided by orthopedic residents, with our growing program serving as a national model. Because our busy emergency department and operating schedule for orthopedic trauma extends into the evening, we have an orthopedic NP or PA on call each evening to help the resident-on-call in managing orthopedic cases.

This allows us to meet the 80 hour work week for the residents, as well as continue to provide outstanding care for acute orthopedic patients.

Name Change – Rady Children's Hospital

As you'll see on our masthead, we are now known as the Rady Children's Hospital-San Diego, a result of a \$60 million gift from the Ernest Rady family of San Diego. This gift was announced at the retirement event of Blair Sadler, long-time President and CEO of Children's Hospital, in July 2006. Mr. Rady is a Canadian entrepreneur who has been extremely successful in real estate as well as other ventures in San Diego. He has also made major contributions to the UCSD main campus, where his name is attached to the new Rady School of Management. This school will award master's degrees in business administration, with a special focus on providing business leadership for the rapidly growing biotechnology industry in San Diego. Although we have all had to adjust a bit to adding Rady to our name, we are thankful for the growth that this important gift allows.

The new administration at Children's Hospital is now directed by Kathleen Sellick, our new President and CEO, who

comes to us from the University of Washington, where she has had a vast experience in medical leadership involving academic centers (see insert later). A large new parking garage and Ronald McDonald House are being completed (adjacent to the current garage, along the 805 freeway) and plans are being made for a complete new inpatient building that will include 18 operating rooms. These will likely come on line in about 2011. Our growing department awaits these needed facilities.

New Children's Orthopedic Staff

We are happy to announce the arrival of Burt Yaszay, M.D., who will be joining our children's orthopedic and spine faculty beginning in August 2007. Dr. Yaszay, a California native, is just completing a spine fellowship in the New York University/Hospital for Joint Diseases program. He will join Dr. Peter Newton as an assistant director of the spine service, and will be active in our research program.

National and International Activities

Each of our staff members continue to be active clinically as well as being involved in research and administrative duties at Children's Hospital. We are also busy on the national and international stage, with our staff having many responsibilities involving leadership in POSNA, the Scoliosis Research Society, and the American Academy for Cerebral Palsy and Developmental Medicine, as well as lectureships throughout the world. In the last year this has included participation in programs ranging from Europe to Saudi Arabia to Singapore, China and elsewhere in the world. These academic ambassadorial efforts are further detailed in the section "Spreading the Word – Global Outreach".

Research Program

Andrew Mahar, director of biomechanics in our orthopedic research program, continues to lead one of the most productive biomechanics laboratories in the world. Their activities are more fully described in this issue.

Tracey Bastrom continues her outstanding leadership, working directly with Dr. Newton as the administrative leader of our orthopedic research program (note later). She has many colleagues in her department, including Jeff Pawelek, who has taken on much of the responsibility for management of the Harms Study Group, which continues to be centered here at Rady Children's Hospital San Diego.

Passing the Torch

We sadly note that Dr. David Sutherland, the founder of our academic orthopedic department, passed away as a consequence of his metastatic prostatic condition on April 21, 2006. His contributions to the children's orthopedic, cerebral palsy, and motion analysis world are legendary and we were amazed by the caring international response to the word of his passing. David was a citizen of the world and a legendary example of the best that children's orthopedics has to offer. His memorial service at the La Jolla Presbyterian Church was attended by doctors, scientists, family members, friends and former patients who were affected

by his kind, gentle personality. Comments by family members as well as Dr. Scott Mubarak, Dr. Hank Chambers and myself helped to clarify his wonderful contributions. His wife Mildred continues to reside at the White Sands Retirement Home in La Jolla (7450 Olivitas Avenue, La Jolla, CA 92037).

Summary

The children's orthopedic education program at Rady Children's Hospital San Diego continues to be one of the best in the world. As we make the transition into the 21st century we will continue our dynamic clinical program, but in addition will give added focus to our research efforts as we hire new faculty. We appreciate the support of our growing alumni group and all who are interested in our mission.

Dennis R. Wenger, M.D.
Director, Pediatric Orthopedic
Training Program
Children's Hospital-San Diego

Clinical Professor of Orthopedic
Surgery
University of California
-San Diego



The surest way to corrupt a young man is to teach him to esteem more highly those who think alike than those who think differently. – NIETZSCHE



New leadership at Children's Hospital

Kathleen Sellick

July, 2006, brought a changing of the guard at Children's Hospital-San Diego. Blair Sadler, our President and CEO for 25 years, retired after a long, positive career in leading our institution into the 21st century. At the time of his retirement, the Rady family announced a \$60 million donation to Children's Hospital, and thus the new name for our hospital.

At that time Kathleen Sellick, from the University of Washington in Seattle, was selected from a long list of highly qualified candidates to become the new President and CEO of Rady Children's Hospital. Prior to her Seattle experience, Sellick worked in Orange County as Executive Vice President and Chief Operating Officer of St. Joseph Hospital, and before that as Director of Outreach Development for Hoag Hospital in Newport Beach.

A Phoenix native, Sellick is a graduate of Arizona State University and received her MBA from the University of Chicago Graduate School of Business. She also was an administrative resident at the Mayo Clinic in Rochester, Minnesota.

Ms. Sellick has a strong interest in orthopedics after working with Dr. Matsen's department in Seattle. She has selected the orthopedic department at Rady Children's Hospital-San Diego for further development and expansion. Our combined goal is to expand our effort as a national and international leader in orthopedic clinical care and research. Our departmental leaders meet regularly with Ms. Sellick concerning the future growth and development of our department, and we are delighted to work with such an energetic, forward thinking leader.



Presentation of the Genealogy of Children's Orthopedics text to Kathleen Sellick

Connections Photos

(also see page 20)



Happy faculty- POSNA – San Diego – 2006



POSNA – San Diego – May 2006
Social event on aircraft carrier
USS Midway



“Texas explained to ‘the foreigners’”



“it’s a bit cool out here”



“Dominican – Orange County Axis”



Singapore - Atlanta – Portland

The Center of the Orthopedic World

- San Diego 2006, early 2007

2006 and the beginning of 2007 have provided an incredible experience for children's orthopedics in San Diego. This may be the first time ever for an American city to host both the giant American Academy of Orthopaedic Surgeons and the Pediatric Orthopaedic Society of North America (POSNA) in the same city during the same academic year.

Many, if not most of you, attended the POSNA meeting in May of 2006. This was a memorable event, with the local arrangements chairman being Dr. Hank Chambers from our group. In addition, all of our group had many responsibilities for the meeting. At that time, Dr. Wenger's book "Children's Orthopaedics of North America – History, Genealogy, and Evolution" was first presented. This is a comprehensive history of the development of children's orthopedic training in North America, including ideas

for the future of children's orthopedics. Social events during the meeting were arranged by Lisa Crabb, who organized a wonderful fellow alumni meeting in a tent on the shores of the San Diego bay.

Then, nine months later (February, 2007) the AAOS opened their big top for the "greatest show on earth" in the newly expanded Convention Center. These events put some stress on the orthopedic training program, since we had many visitors from throughout the world visiting our hospital. In addition, we were involved in multiple instructional courses, paper presentations, symposia and committee meetings. All in all, this was a breathtaking experience which was enjoyable, yet one would not want to do it every year. Also during the AAOS meeting, Doug Wallace and Lisa Crabb hosted a fellow alumni event in their beautiful, just re-modeled Coronado home.



"Happy times"
POSNA – San Diego, May 2006



Dr. Ponseti and two of his prior
"students"
POSNA – San Diego, May 2006



"This is how we do it in Atlanta"
POSNA – San Diego, May 2006



Fellows reunion AAOS Feb. 2007



Fellowship reunion – Wallace home – Feb. 2007



Notes from the Research Team

Our research team had a productive year in 2006. In addition to the many scientific presentations at various conferences, approximately 20 manuscripts were published. Our 2005-2006 fellows were very industrious in their research efforts and we had a great time working with them. They worked on a total of 6 projects and our success rate on manuscripts was one of the best years yet. Three of the projects had manuscripts submitted for publication prior to the end of 2006 (one of Dr. Mijyani's projects was submitted before he finished his fellowship!). Two more will have manuscripts submitted within a short period. When I see past fellows or interview prospective fellows, the most common question is "What are the fellows working on?" So, I'd like to highlight some of the 05-06 fellows' projects.

Avi Baitner, MD

Avi worked on a continuation of the forearm re-fracture project Dr. Lalonde presented at the 2005 POSNA meeting. He spent his year measuring a series of over 100 single 'control' fractures, matched for age and gender. The goal was to evaluate which radiographic factors may differ between the control and re-fracture group in an effort to predict/prevent re-fracture. The results were presented in poster form at the AAOS meeting here in San Diego and will be presented at the trauma specialty session at POSNA this year. The manuscript has been accepted by JPO.

Firoz Miyanji, MD

Firoz devoted his time to two projects with Dr. Wenger and Andrew Mahar and one AIS clinical project with Dr. Newton. Both of his biomechanics projects have been accepted by JPO. In his project with Dr. Newton, an analysis of the characteristics of Lenke 1 A and B

curves was conducted. The results were presented as a poster at the 2006 SRS meeting and will be an e-poster at the 2007 POSNA meeting.

Prerana Patel, MD

Prerana divided her time between a project with Drs. Mubarak and Wenger on tarsal coalition and an AIS project with Dr. Newton. For the tarsal coalition project, significant effort was put into evaluating the outcome of fat graft interposition for calcaneonavicular coalition resection. The findings were presented on the podium at the 2007 AAOS meeting and will be a podium at the 2007 POSNA meeting.

Team

Our team grew in 2006. We hired Gloria Aldaba as a research assistant to help with data collection and more importantly to help track down lost-to-follow-up patients. Valerie Ugrinow was hired as a research associate for the spine center, as Maty Petcharaporn took on a position with Michelle Marks and the Harms Study Group. John Collins is a kinesiologist for the motion lab and also is a coordinator for an NIH funded project in which Dr. Chambers is our site investigator. We're excited for growth and productivity in the next year.

Tracey Bastrom, MA
Research Coordinator

Orthopedic Biomechanics Research Center

The Orthopedic Biomechanics Research Center (OBRC) at the Rady Children's Hospital – San Diego was founded in the fall of 1998 with initial research interests in adolescent idiopathic scoliosis and adolescent trauma. The lab continues its research efforts in spinal deformity with projects evaluating various types of metals to be used for deformity correction, instrumentation for fusionless scoliosis correction and understanding the affects of certain surgical techniques for scoliosis/kyphosis. Studies are also currently underway to evaluate various techniques for stabilizing fractures of the humerus, femur and tibia. Recently, significant efforts have been made to understand pediatric hip deformity and the techniques used to stabilize and improve hip function. These efforts have proved fruitful with multiple publications in the Journal of Pediatric Orthopaedics.

As in years past, the OBRC retains a close collaborative research effort with the Department of Orthopedic Surgery at the University of California – San Diego. Biomechanical studies to understand/improve outcomes of adult spinal trauma/deformity and extremity trauma comprise a large number of these projects.

Recently the OBRC and the University of South Florida have initiated a collaborative relationship to continue research studies on novel devices for rotator cuff repair and anterior cruciate ligament fixation. This arrangement followed Rob Pedowitz's acceptance of the orthopedic department chair at that institution (former UCSD orthopedic faculty member).

A recent advance with the OBRC has been to work with the Mechanical Engineering Department at San

Diego State University to develop computational models for spinal instrumentation and trauma fixation. These projects examine the complex relationships of stabilization of the instrumentation and the bone-implant interface using finite element analysis techniques.

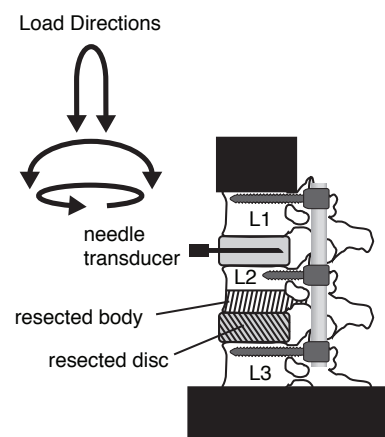
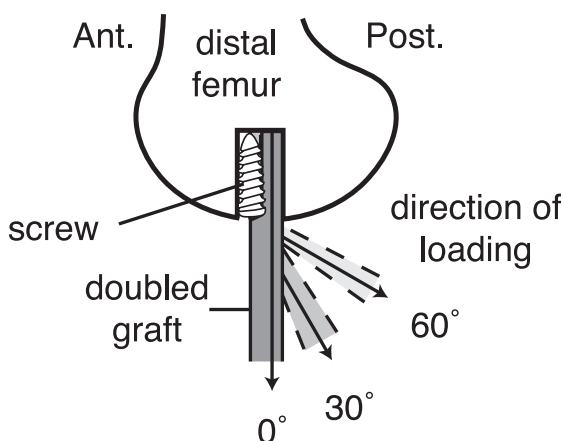
These cumulative research efforts have been accomplished by teaming orthopedic surgeons and biomedical engineers with orthopedic residents/fellows and engineering interns. This multi-faceted approach has generated success in presentations at such meetings as the Pediatric Orthopaedic Society of North America, Scoliosis Research Society and the Orthopaedic Research Society. The OBRC maintains high a success rate in journal publications. That research productivity may be found in Spine, Journal of Pediatric Orthopaedics, Clinical Orthopaedics and Related Research, American Journal of Sports Medicine, Arthroscopy, Journal of Shoulder and Elbow Surgery and Clinical Biomechanics.

The coming years should be even more productive as the OBRC adds additional equipment and staff to meet the demands of the orthopaedic research locally, nationally and internationally. There will be one constant with the OBRC though...the effort to become an internationally recognized academic research center that develops innovative ideas and test methods to improve outcomes for people with orthopaedic problems.

Andrew Mahar, M.S.

Director

Orthopedic Biomechanics Research Center



Current Fellows - Children's Hospital-San Diego



2006-2007 Pediatric Orthopedic Fellows

(Left to right: Tamir Bloom, M.D.; Christine Caltoun, M.D.; Todd Ritzman, M.D.; Shunji Tsutsui, M.D., Ph.D.)

Tamir Bloom, M.D.

Tamir was born in New York City and attended undergraduate school at the University of Pennsylvania, followed by medical school at Mount Sinai School of Medicine. He competed in fencing at a national and international level during his university years. During his orthopedic residency at Henry Ford Hospital in Detroit, he was stimulated to enter children's orthopedics after a rotation with Dr. Jim Gage in his motion analysis laboratory in Minnesota. He then came to San Diego for his fellowship. Tamir has an interest in all of children's orthopedics, but may choose to focus on adolescent sports medicine.

Christine B. Caltoun, M.D

Christine Caltoun was born in Warren, Michigan, and had much of her childhood education in Switzerland, where her father was an international businessman. As a result, she is fluent in French (and

of course English). As an undergraduate at William and Mary University she played on their nationally ranked varsity tennis team. Christine attended medical school at Wayne State University in Detroit, followed by orthopedic residency at the Mayo Clinic in Rochester, where she became interested in children's orthopedics. She is interested in all areas of children's orthopedics and has just accepted a position on the academic faculty at the James Whitcomb Riley Children's Hospital in Indianapolis, Indiana.

Todd F. Ritzman, M.D.

A native of Ohio, Todd attended Wheaton College in Illinois, where he played varsity football. This was followed by medical school at Ohio State University and orthopedic residency at the Cleveland Clinic, where he learned about our program from Ryan Goodwin, one of our prior fellows. As part of his training in the Cleveland Clinic he rotated through the Children's

Hospital in Akron and became interested in children's orthopedics and was directed toward our fellowship. Dr. Ritzman plans to return to Akron Children's Hospital, where he will be on their academic faculty with a special interest in spine surgery.

Shunji Tsutsui, M.D., Ph.D.

Dr. Tsutsui, a native of Japan, received his medical degree from the Wakayama Medical University in 1996, followed by a Ph.D. at the same school. He was trained in orthopedic surgery at Wakayama Medical University as well. He joined us as a scoliosis and research fellow under the direction of Dr. Peter Newton. He has had a productive research year, which will be capped off by presentation of his work at our visiting professorship. He will return to Wakayama University in Japan, where he will be on the academic faculty.

Arriving Fellows

(2007/2008)

Each year we look forward to a new group of outstanding fellows who have decided on a career in children's orthopedic and scoliosis surgery. For the academic year 2007/08 an outstanding group of young physicians has selected our program to continue their training. We are honored that they have chosen our program, and believe that we will be able to provide the type of broad-based clinical and research experience which will allow them to continue the traditions of the children's orthopedic training program in San Diego.



Patrick Henderson will join us in August 2007, following his residency at the University of Arizona training program in Tucson. Patrick had his undergraduate education at Stanford University followed by medical school at the University of California

San Diego, where we learned to know him well. He has an active interest in orthopedic education and research, and has already been involved in many projects stemming back to his times as a medical student with us.



Eric Edmonds had his undergraduate education at Johns Hopkins, followed by medical school at the University of California at Davis. He is just completing his orthopedic residency in the Carolina Medical Center system, where he was directed to our program

by their residency director, Dr. Steven Frick, who is a graduate of our training program.

Vineeta Swaroop attended undergraduate school at Duke University, followed by medical school at Georgetown. She is currently an orthopedic resident at Northwestern University in Chicago, where she developed a strong interest in children's orthopedics under the guidance of Dr. Luciano Dias, Dr. John Sarwark, and others.



John Schlechter had his undergraduate education at Arizona State University, followed by his medical education at the New York College of Osteopathic Medicine. He is currently a resident in the osteopathic orthopedic training program in Riverside, California,

where he developed a strong interest in children's orthopedics after working with Dr. Scott Nelson, one of our program graduates. He is very interested in international orthopedics, and has already spent several rotations with Dr. Nelson, who is currently the director of the children's orthopedic program at the CURE hospital in Santo Domingo, where many of our faculty have visited and operated.



Dr. Daniel Figueiredo, from Mato Grosso, Brazil, will be an international fellow in our department during the 2007/08 academic year. He is completing his orthopedic training program in the widely recognized orthopedic residency directed by Dr. Luiz Cunha.

2008-2009 Fellows

We again selected an outstanding group of fellows for the 2008-2009 academic year. They are:

- Humberto Guzman, M.D. – San Juan
- Meghan Imrie, M.D. – Stanford
- Abigail Lynn, M.D. – Atlanta
- Alison Rozansky, M.D. – Akron



Notes from a Former Fellow

Mark Abel, MD
University of Virginia

It is hard to believe that 18 years have elapsed since completion of my pediatric orthopaedic fellowship at Children's Hospital in San Diego. I began the fellowship after completing my residency at the University of California-San Diego, so my fellowship was an extension of a wonderful learning experience in San Diego. Dr. Wayne Akeson, Chairman of the Department of Orthopaedic Surgery, had cultivated an environment of inquiry where clinical medicine was tied to research, teaching, and scholarship. David Sutherland and Scott Mubarak, both hired by Dr. Akeson, and Dennis Wenger, all conformed exactly to this academic mold.

David Sutherland was a gentle and patient man but these features belied his internal drive to produce academic works and scholarship about human walking and the effects of pathologies, especially cerebral palsy. David Sutherland's gait lab was a very unique facility at that time. In fact, the study of human motion was a major attraction of the program. My own expertise in the area of neuromuscular conditions was first stimulated by analysis of cases from Dr. Sutherland's lab. I would spend hours reviewing the before and after treatment results of cases treated at Children's Hospital, and perhaps learned more from this exercise than from the other didactics which were part of the fellowship. The ground work that I laid under Dr. Sutherland's tutelage was influential in leading me to become the director of my own motion lab at the University of Virginia in 1993.

While Dr. Sutherland was in the waning years of his career, his partners Scott Mubarak and Dennis Wenger were establishing themselves as leaders in pediatric orthopaedics. Dr. Mubarak was/is the quintessential clinician; confident and logical. While he was never in doubt about patient management, he did allow the

fellows to express their opinions and challenged them to prove their beliefs scientifically and to publish their results. Dennis Wenger brought a philosophical and worldly outlook to the management of orthopaedic problems in children. His ideas were always creative and innovative. He was a motivating force behind the introduction of segmental fixation techniques using multiple hooks for idiopathic scoliosis at UCSD and Children's Hospital. In 1984, when I was a resident, he invited a young French spine surgeon, Jean Dubousset, to teach us about the newest techniques for spinal instrumentation. By the time I became a fellow, the Dubousset technique was firmly established in our practice. Dr. Wenger was always prepared to embrace technological innovations. The use of 3-D imaging was another emerging technique which we employed to define complex spine and hip anatomy.



The unstructured conversations with Drs. Wenger and Mubarak over the years at meetings and at their homes were invaluable. I now count them not only as mentors but friends. Over the years they have offered not only clinical advice for difficult cases, but more importantly, through their connections in the AAOS and POSNA, they have promoted me and provided opportunities for me to develop professionally. I was com-

fortunate entering my first practice at the Portsmouth Naval Hospital where, in addition to treating children, I was able to teach residents. I joined the faculty at the University of Virginia in 1993 and have used the residency and fellowship experiences I had at San Diego Children's Hospital as a model for my residency and fellowship here.

I have many fond memories of my fellowship. I was totally immersed in the practice of pediatric orthopaedics, including teaching residents, independently running my own clinics, and even staffing my own surgical procedures at the "U". We had daily sessions to include case reviews, didactics and surgical indication debates. It was a busy week. The Tijuana field clinic was another enjoyable activity that the fellow and chief resident conducted.

Over the years I have been back to San Diego many times. The vibrant, engaging and inquiring attitudes

that prevailed in my time still exist today. My good friend Hank Chambers, who went to medical school with me, has joined the practice, and the pediatric orthopaedic faculty now includes six surgeons. Consequently the fellows now experience an even broader array of personalities than when I was in San Diego. I have enjoyed meeting the many talented fellows who have come through the program since my years in San Diego. Their academic contributions have been impressive, and part of a tradition established over two decades ago when the first fellow was trained. It is quite a legacy; one I would hope to achieve here at the University of Virginia.

Mark F. Abel, M.D.
 Alfred R. Shands, Jr. Professor Orthopaedic Surgery & Division Head, Pediatric Orthopaedics
 Director, Motion Analysis & Motor Performance Laboratory

Connections Photos

(also see page 20)



Swedish Pediatric Orthopedists join the Texas – San Diego axis for dinner
 POSNA - San Diego – 2006



The Ponsetis in Rancho Santa Fe
 POSNA – San Diego – 2006



Friends from Czech Republic and Belgium – POSNA – 2006



“Have you heard the latest on ultrasound?”

Internal Education - Hip Ultrasound course

The fellows at Rady Children's Hospital greatly benefit by the immense experience which our faculty have gathered over their lengthy careers.

Scott Mubarak teaches a special course for our fellows on how to use and read ultrasound. For this course patients, including volunteer babies from our own staff and resident group, are used in the demonstration. The fellows then learn hands-on methodology as to how one applies the transducer and actually uses the varying images. This experience is valuable, and when taught by Dr. Mubarak and our chief x-ray technician, Natalie McNeil, confirms the dedication of our staff to teaching and provides the opportunity for fellows to fully understand ultrasound and infant hip disease.



Children's Orthopaedics in North America – History, Genealogy, and Evolution

Dennis R. Wenger, M.D.

Now available through the POSNA office.

This important new monograph details the development of children's orthopedics, from historic roots in Europe to the current specialty's role in contemporary North America.

This widely illustrated book includes:

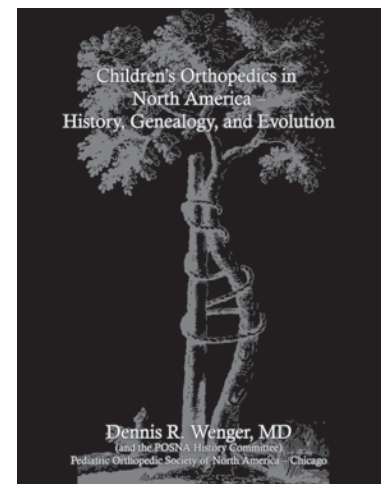
- Diagnoses central to the specialty (DDH, clubfoot, scoliosis)
- Development of organizations (POS, POSG, POSNA)
- Important children's orthopedic leaders
- Description of key teaching hospitals
- Proposals regarding the future of the specialty
- Photographic listing of all POSNA members, including location of fellowship education

This 2006-issued monograph, now available for purchase, will serve as an excellent introduction to our specialty for medical students, residents, fellows and others with an interest in children's orthopedics.

To order this text, please contact the POSNA office: Phone: 847-698-1692 Fax: 847-823-0536

E-mail: stech@aaos.org

Cost: \$40 (includes shipping)



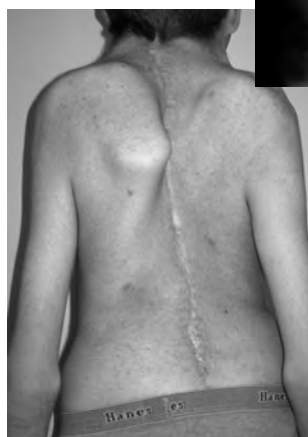
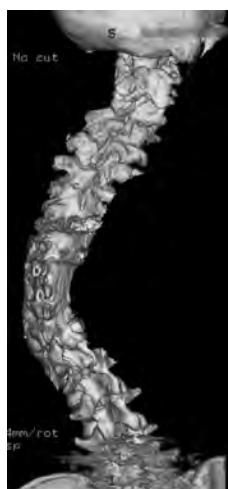
Complex Patients



Rady Children's Hospital-San Diego continues to attract complex cases from throughout the country and the world as a result of our expertise in many areas, particularly spine surgery, hip surgery and cerebral palsy. A recent example is this scoliosis patient with a very complex disorder who was referred to Dr. Peter Newton for reconstructive surgery of the spine. The boy was born with both Sprengel's deformity (scapula) and severe congenital scoliosis and had had multiple prior operations which were not very successful. As an adolescent he presented with extreme trunk deformity as well as a razorback chest deformity due to his marked crankshaft rotational growth following several prior attempts at spine fusion done at an early age. He also had had multiple prior thoracotomies making an anterior approach to the spine impossible.

He was referred to Dr. Peter Newton's spine service for evaluation and treatment. After careful study, including pulmonary function studies, an MRI of the spinal cord, and 3D CT studies of the spine, a complex, posterior-only correction plan was developed. This included spinal osteotomy, vertebral body excision (mid-thoracic level via postero-lateral approach), segmented (pedicle) screw instrumentation and repeat thoracoplasty. The patient and his family (and we) are delighted with the outcome.

This case exemplifies the diagnostic and treatment facilities that serve as an international resource provided by the Rady Children's Hospital at San Diego. Our scoliosis center is recognized as one of the few in the world that can safely provide correction for complex problem deformities like this.



33rd Annual David H. Sutherland Visiting Professorship



Our David Sutherland Visiting Professor in 2006 was Dr. Larry Rinsky of Stanford University. Dr. Rinsky was born in Cincinnati, Ohio, and attended the University of Cincinnati for both undergraduate and medical school, followed by residency at Stanford University, where he was powerfully influenced toward the specialty of children's orthopedics by Dr. Gene Bleck. Dr. Rinsky remained on staff at Stanford and is currently chief of the orthopedic service at the Lucille Packard Children's Hospital at Stanford, and Professor of Orthopedic Surgery at Stanford University.

Larry brought an incredible breadth of orthopedic knowledge to our visiting professorship. We found him to be one of the most broadly educated and versatile of all currently practicing children's orthopedists in North America. His experience includes many papers and presentations on spine surgery, neurologic disorders in childhood, as well as almost every other childhood orthopedic condition. He has an extensive experience serving the international community, providing children's orthopedic care throughout the world, and his inspiring evening talk was devoted to the topic.



"Knowledge of what is possible is the beginning of happiness"



Dr. Rinsky and Fellows

National Ranking Orthopedic Department



The orthopedic department at Rady Children's Hospital was recently listed in "Child" magazine as one of the top five children's orthopedic programs in the United States. This was determined after a comprehensive analysis that included quality of patient care, variety of services provided, and productivity of the orthopedic research mission. We are happy to have received this rating and believe that it is a reflection of the tremendous vision and energy of our orthopedic faculty and research team. It also reflects the broad support of Children's Hospital administration in providing the facilities required to achieve this status.

The attached photographs were taken at a special celebration event put on by the hospital to honor the orthopedic department. Clearly everyone enjoyed the afternoon. We will continue to work hard to maintain what we believe was a well-deserved accolade.



Documentation (Our Publications)



Our progress as a center directed to the future mandates both research and publications that document our work. We continue as one of the top children's hospitals in the world for publications in the orthopedic literature.

Aminian A, Mahar A, Yassir W, Newton P, and Wenger DR: Freedom of Acetabular Fragment Rotation Following Three Surgical Techniques for Correction of Congenital Deformities of the Hip. *J Pediatr Orthop* 25 (1):10-13, 2005.

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Wedding Bells

We are happy to announce the marriage of two key players in the pediatric orthopedic system at Rady Children's Hospital-San Diego. On July 1, 2006, Dr. Doug Wallace, chief of the hand surgery and trauma services, married Lisa Crabb, R.N., who is the administrative director of the orthopedic residency and fellowship training program at Children's Hospital.

We congratulate them on this happy event!



Spreading the Word - Global Outreach

Our faculty continue to be invited lecturers and visiting professors throughout North America and the world. This allows us to present the clinical and research ideas that have evolved at Rady Children's Hospital-San Diego and to remain current on state of the art work in other orthopedic centers throughout the world. Although on occasion residents or fellows might wonder why their faculty need to travel so extensively, we note that the value of new ideas brought back to our program is inestimable and greatly contributes to the quality of our orthopedic training program.

Our faculty lectured throughout North America this past year, as well as in Europe, the Middle East, South America and Asia. The attached photographs illustrate a few of the many outreach events that our faculty participated in.

Orthopedic Outreach

Scott J. Mubarak, M.D.

Visiting Professor, Akron Children's Hospital Department of Orthopedics, Akron, OH, July 15-16, 2005.

Philadelphia Orthopedic Society Howard Steel Lecturer, Philadelphia, PA, September 12, 2005

International Pediatric Orthopedic Think Tank Annual Meeting, Seville, Spain, Sept. 17, 2005.

Shriners Hospital for Children, Montreal Children's Hospital, 20th Annual Eugene Rogala Visiting Professorship, October 20-21, 2005.



Sociedad Chilena de Ortopedia Y Traumatologia XLI Chilean Meeting of Orthopaedic and Traumatology Guest Speaker, Vina del Mar, Chile, November 16-19, 2005.

Instructional Course Instructor, American Academy of Orthopedic Surgeons annual meeting, Chicago, IL, March 22, 2006.

International Pediatric Orthopedic Think Tank annual meeting, New York, NY, August 18, 2006.

International Pediatric Orthopedic Symposium annual meeting, Orlando, FL, November 30-Dec. 2, 2006

Dennis R. Wenger, M.D.

XXIII SICOT/SIROT Triennial World Congress, Istanbul, Turkey - September 2-9, 2005

Instructional Course Instructor, American Academy of Orthopedic Surgeons annual meeting, Chicago, IL, March 22, 2006.



Hip surgery at Tianjin Hospital (China) - July 2006

International Pediatric Orthopedic Think Tank annual meeting, New York, NY, August 18, 2006.

International Pediatric Orthopedic Symposium annual meeting, Orlando, FL, November 30-Dec. 2, 2006



Dr. Wenger serving as external examiner in pediatric orthopedics. Riyadh, Saudi Arabia - Nov. 2006

Invited Speaker, 53rd Congress of The Nordic Orthopaedic Federation, Oslo, Norway, June 1-2, 2006

Chinese Pediatric Orthopedic Society Meeting, Tianjin, Peoples Republic of China, July 13-15, 2006

16th Annual Baltimore Limb Deformity Pre-Course, Perthes Disease: New Advances and Treatments, Baltimore, Maryland, September 1, 2006

X International Seminar on Pediatric Orthopaedics, Madrid, Spain, November 1-3, 2006

Annual International Pediatric Orthopedic Symposium, Orlando, FL, November 29-December 2, 2006

Visiting Professor at the Institute of Orthopaedic Surgery, The People's Liberation Army, The Fourth Military Medical University Xijing Hospital, Xi'an, China, July 7-9, 2006



Successful conclusion of Peds. Ortho course. Riyadh, Saudi Arabia
– Nov. 2006

Presidential Guest Lecturer, Scoliosis Research Society, 41st Annual Meeting, Monterey, CA, September 13-16, 2006

2nd King Saud University International Pediatric Orthopedic Symposium, Riyadh, Saudi Arabia, November 21-23, 2006

Peter O. Newton, M.D.

12th International Meeting on Advanced Spine Techniques. Banff, Alberta, Canada, July 7-9, 2005.

American Association of Laboratory Animal Science Annual Meeting. St. Louis, MO, November 2005.



52nd Annual Meeting of the Orthopaedic Research Society, Chicago, IL. March 19-22, 2006

Scoliosis Research Society, 41st Annual Meeting, Monterey, CA, September 13-16, 2006

11th International Phillip Zorab Symposium. Christ Church, Oxford, United Kingdom, April 3-5, 2006.

DePuy Spine, Deformity Summit, Miami, FL, April 7-8, 2006.

La Jolla Spine Symposium, Scoliosis Association, Inc. San Diego, CA, April 29, 2006.

American Academy of Orthopaedic Surgeons and Scoliosis Research Society Current Trends and Treatment Methods in Pediatric and Adult Spinal Deformity, Costa Mesa, CA, June 9-10, 2006.

Innovative Techniques in Spine Surgery, 3rd Annual Meeting, June 21-24, 2006, Los Cabos, Mexico.

Henry G. Chambers, M.D.

Visiting Professor, Hospital for Special Surgery, New York, New York, September 2005.

American Academy for Cerebral Palsy and Developmental Medicine, Orlando, Florida September 2005.

Visiting Professor, Gillette Children's Hospital, St. Paul, Minnesota, May 2006.

Disability and Sports, Physical Medicine and Rehabilitation Residents, St Paul, Minnesota, May 2006

C. Douglas Wallace, M.D.

David Sutherland Visiting Professorship, San Diego, CA. - March 30-31, 2006.

Maya E. Pring, M.D.

AAOS Review and Update for Practicing Orthopaedic Surgeons, November 2005, San Diego, CA

Biomechanical Stability of Bioabsorbable Screws for Fixation of Acetabular Osteotomies,
Invited Lecture: Inion OTPS User Meeting. December 2006, Tampere, Finland.

Western Orthopedic Association Annual Meeting 2005, Waikoloa, Hawaii



Planing for Nov. 2007 Peds. Ortho course to honor Mercer Rang
Riyadh, Saudi Arabia



“Experience is not what happens to a man. It is what a man does with what happens to him”
– Aldous Huxley

Connections



On the waterfront – POSNA
San Diego, 2006



Dr. Ponseti and San Diego friends
POSNA meeting – San Diego – May
2006



“We have wine in Denver too”



East coast comes West



“Happy fellows”
San Diego – POSNA – 2006



“So ladies – listen to this story”
San Diego – POSNA – 2006



“A little Oregonian”



“St. Petersburg style”