

Visiting Speakers Expand Resident Education

Providing a well-rounded education for our residents means bringing in visiting speakers who can share their expertise and experience on a variety of topics.

May

- 1 Michael Reis, M.D.**
UCSF Medical Center
San Francisco, CA
"Knee Arthroplasty"
- 8 David Inda, M.D.**
Gross Iwersen Kratochvil & Klein
Omaha, NE
"Hallux Valgus"

June

- 5 Jack Lemons, Ph.D.**
University of Alabama at Birmingham
Birmingham, Alabama
"Device Retrieval and Analyses: 30 Years and Evidence Based Education"

Annual contributions to the department's Development Fund allow us continue to bring guest speakers who offer new and innovative ideas in surgical techniques, research topics,

16-17 Graduation Ceremonies,

- Featured Speaker**
K. Donald Shelbourne, M.D.
The Shelbourne Clinic
at Methodist Hospital
Indianapolis, Indiana
"Proposed Mechanism for ACL Injury"
"What I've Learned about the ACL"

September

- 29 John Connolly, M.D.**
Professor Emeritus
Orlando Regional Medical Center
Orlando, FL
"Resident Contributions to our 20-year Experience in the Use of Marrow Stem Cells to Stimulate Osteogenesis"

and patient care. Below is a list of visiting speakers that presented in the Department of Orthopaedic Surgery from May to October 2006.

October

- 4 Derek McMinn, FRCS**
The McMinn Centre
and the Royal Orthopaedic Hospital
Birmingham, United Kingdom
"The Tribology of Metal-Metal Hip Arthroplasty"
- Hena Ziaee, BSc**
The McMinn Centre
Birmingham, United Kingdom
"Metal Ion Analysis in Patients"
- 9 Timothy Burd, M.D.**
Nebraska Spine Center, LLP
Omaha, NE
"Cervical Disc Disease"

UNMC Physicians Nationally Known for Treatment of OI

In the eyes of patients who suffer from Osteogenesis Imperfecta (OI), also known as "brittle bone disease," the doctors who help them to live longer, healthier lives are heroes. Apparently, heroes sometimes work in teams.

Although they would never describe themselves as such, Drs. Paul Esposito and Horacio Plotkin are Omaha's very own team of OI superheroes. Together, Dr. Esposito, professor of orthopaedic surgery and pediatrics at UNMC, and Dr. Horacio Plotkin, assistant professor of pediatrics at UNMC, clinic medical director of the Children's Hospital Metabolic Bone Diseases Clinic, and courtesy professor of orthopaedic surgery, have put Omaha on the map as being a "center of excellence for OI treatment," as described by Mary Beth Huber, information resource director of the OI Foundation.

OI is a genetic disorder characterized by bones that break easily, often from little or no apparent cause. A person with OI may break a rib while coughing or a leg by rolling over in their sleep.

While there are various treatments for OI, one form of specialized treatment is the use of the Fassier-Duval (F-D) Telescoping Intramedullary Rodding System, designed by Drs. François Fassier and Pierre Duval, and approved by the U.S. Food and Drug Administration in February of 2003 for use in OI related rodding surgery. Initially there were very few centers in the United States

using the F-D rods; however in the last few years surgeons nationwide have been educated on this procedure, each year increasing its use.

"Dr. Esposito was one of the first surgeons to receive specialized training in the use of Fassier-Duval rods. Dr. Fassier himself worked directly with Dr. Esposito," said Ms. Huber. "Because of this Dr. Esposito has been a leader in its implementation."

Although the procedure is more challenging for the surgeon than some past treatments have been, it is easier on the patient, less invasive, and requires shorter recovery time. The rod is designed to lengthen as the child grows, therefore requiring fewer surgical procedures, and also allows for surgical treatment of multiple bones at one time.

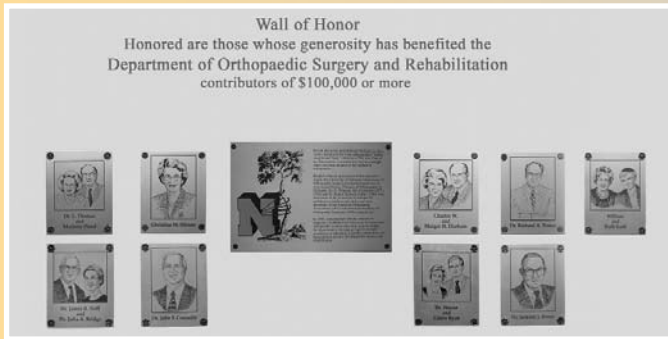
In combination with the F-D rodding, an important part of OI treatment is the use of bisphosphonate drugs, which are believed to prevent the normal breakdown of bone, therefore increasing bone density. Here is where Dr. Plotkin, who has spent years researching the use of these drugs to decrease fractures in children with OI, offers his expertise by treating patients in the OI clinic with low-doses of IV pamidronate, a bisphosphonate drug.



Left to right: Drs. Horacio Plotkin and Paul Esposito.

When Dr. Plotkin arrived at UNMC in 2002, he began developing a new research protocol using just half the dose of IV pamidronate that had previously been used. Using a higher dose had previously been found to cause rigidity in some patient's bones, thus putting them at risk of breaking again. The low-dose regimen, dubbed the "Omaha Protocol", is frequently requested by physicians world-wide who treat pediatric bone conditions. Recently, Dr. Plotkin received considerable media attention for an article published in the September issue of *Developmental Medicine and Child Neurology* entitled, "Low Doses of Pamidronate to Treat Osteopenia in Children with Severe Cerebral Palsy: A Pilot Study." (Continued on page 6)

Honor Roll of Contributors 2005-2006



New additions to the Wall of Honor are Ruth and Bill Scott, whose generosity has established the Nebraska Arthritis Outcomes Research Center (contribution featured in the spring 2006 issue of Breaking News).

Gifts from orthopaedic alumni, friends, faculty, foundations and corporations support the department's mission by providing vital resources for resident education, scientific research and equipment, and much more.

Some choose to support the department's annual Development Fund that is used primarily for resident education. Others choose to put their contribution towards specific funds for scholarships, research, library resources, or laboratory equipment for example.

The following honor roll alphabetically lists the names of individuals and organizations that supported the Department of Orthopaedic Surgery and Rehabilitation between July 1, 2005, and June 30, 2006.

10,000 & above	Central Nebraska Orthopaedics & Sports Medicine	Williams, Ronald P. and Neva S.	Hans, Christine P. and Neil G.	Mindell, Eugene R. Miyano, John A.
Esposito, Paul W.	Chavda, Deepak V.	0 - 999	Hansen, Stephen	Newland, James R. and Myrna
Garvin, Kevin L.	Clare, Patrick E.	Adloff, Vladimir	Heartland Orthopaedics & Sports Medicine	Nicholas, Richard W. and Alison A.
Hood, Marjorie	Durham Foundation	Arroyo, Julian S.	Heiner, John P.	Perry, Zenobia G. and Arie
Mormino, Matthew A.	Fischer, Brett W.	Bellamy, Raymond B.	Hoeffel, Pamela S.	Persons, Diane L.
Scott Carter Foundation	Fitzgibbons, Timothy C.	Borek, Deborah A.	JD White, Inc.	Roberts, Cory A.
Sekundiak, Todd D.	Hansen, Sig T. and Dalia M.	Canale, S. Terrance	Jerrells, Thomas R.	Safar, Aida
5000 - 9999	Hasley, Brian P.	Canedy, James T.	Johansson, Sonny L. and Marianne	Schmidt, Michael J. and Vicki L.
Doran, Sharon K.	Heiser, Thomas M. and Nancy S.	Clark, Charles R.	Lackman, Richard D. and Doranne M.	Smeal, Randy L.
Fehringer, Edward V.	Jackson, Roger P. and Sandra M.	Davis, Richard T.	Lange, Thomas A.	Springfield, Dempsey and Deanna
Ginsburg, Glen	Kiburz, Douglas W.	Diprima, Adam M. and Katy M.	Lewis, Michael Martin and Betsy	Standish, Janice K.
Nystrom, N. Ake	Mahoney, Craig and Michelle	Duvelius, Paul J.	Linscheid, Ronald L.	Tawfik, Ossama
Reed, Lori K.	Peterson, David A. and DuAnn	Emodi, George J.	Makley, John T.	Toone, James R.
Scherl, Susan A.	Schwab, Terry D.	Feagin, John A.	McClellan, John W.	Walsh, Thomas M. IV
1000 - 4999	Scott-Miller, James R.	Fisher, Richard Harding	McGarry, Sean V.	Waters, Chester H. III
Andersen, Harold W. and Marian L.	Surgical Solutions of Nebraska, Inc.	Garvin, William F. and Jeanne M.	McGregor, Douglas H.	
Association of Bone and Joint Surgeons		Gitelis, Steven and Mary	Mike & Kathy Gross Family Foundation	
Bridge, Julia A.		Hagen, Jedd A.		
		Haggard, Warren O.		

Thank you for your vital support! If you have questions or corrections to this honor roll, please contact the University of Nebraska Foundation's Omaha office at 8712 West Dodge Street, Suite 100, Omaha, NE 68114. Or you may contact them by phone at (402) 502-0300.

UNMC Physicians Nationally Known for Treatment of OI

(Continued from page 5)

He was also honored in December of 2005 as a 'hometown hero' by Mayor Mike Fahey for helping to bring the 2006 national conference of the OI Foundation to the Qwest Center Omaha.

Together, the dedication of Drs. Esposito and Plotkin to offer effective treatment to the patients who suffer from this unfortunate condition has made UNMC and Children's Hospital nationally known for specialized treatment of OI.

"Children's Hospital has an excellent OI clinic with a wide range of interdisciplinary

treatment," said Ms. Huber of the OI Foundation. "Having a large clinic at Children's Hospital, in combination with a clinic for adults at the University of Nebraska Medical Center, makes Omaha unique. Not many places offer treatment into adulthood for those suffering from OI; there is a great need for continuation of care. In fact, its one of the reasons we decided to hold our national conference in Omaha this year."

Omaha was host to the 15th Biennial National Conference on Osteogenesis Imperfecta (OI) July 20-22, 2006. With over 570 registrants, 240 of which were attending

their first conference, both numbers set new attendance records. One of the main reasons the OI Foundation chose Omaha as the site for this year's event is the support they receive from Children's Hospital of Omaha and the OI clinic it sponsors.

If you want to learn more about OI or the treatment options available, visit the Osteogenesis Imperfecta Foundation's web page at www.oif.org, or Dr. Plotkin's website called 'The Bones Page' at www.geocities.com/dr_plotkin.