



REPORT TO DONORS

Your giving made a difference in FY 2016

Hoag Orthopedics physician leaders believe strongly that, for the good of patients everywhere, they must share their knowledge. They have implemented initiatives that have driven infection, complication and readmission rates to unprecedented lows that are significantly lower than the national average.

Because of your generosity, Hoag Orthopedics physicians are teaching their innovative approach to orthopedic surgeons and ancillary providers as well as educating the community and conducting clinical studies and research projects. This report is a summary of the impact that you made with your giving in FY 2016.



Pictured here is the Hoag Orthopedics Research Staff, funded by philanthropy, to provide excellence in clinical innovation, research and education in Orthopedic Care. From left to right: Carlos Prietto, MD, Hoag Orthopedics Institute President and Hoag Orthopedics Executive Medical Director, Ryan Helber, Administrator, Camille Borges, Education Coordinator, Vance Gardner, MD, Hoag Orthopedics Medical Director, Vanessa Andronaco, Clinical Research Coordinator and Teddy Quilligan, Clinical Research Coordinator

**HOAG
PROMISE**
OUR CAMPAIGN TO LEAD,
INNOVATE & TRANSFORM

The Promise of Research

With its unprecedented volume of orthopedic patients, Hoag Orthopedics has a lot to offer scientists and researchers. According to Vance Gardner, MD, medical director, research fellows and research coordinators work with attending Hoag Orthopedics physicians to complete clinical studies and research projects. This new knowledge is resulting in Hoag Orthopedics leading the nation in outcomes and improvements for patients.

Presently, Hoag Orthopedics physicians are conducting ten research studies. Here are some highlights of how donor support of research is changing the future of orthopedic medicine:

NeoCart Trial

When the cartilage around the knee is torn, the pain is excruciating. Dr. Robert Grumet of Hoag Orthopedics is leading

a study that investigates how to fill the “potholes” created by torn cartilage with a patient’s own cartilage cells. The two-part procedure, called NeoCart, first harvests tissue from the patient’s knee cartilage. Then, after growing new tissue in the lab, orthopedic surgeons fit the finished membrane into the damaged cartilage. This procedure could replace the traditional treatment of drilling microfractures into the knee bone, which creates scar tissues and must be redone every 10 to 15 years. Thanks to the trial sponsor, Histogenics, all study-related surgical procedures, office visits and some rehabilitation costs are covered for participating patients.



OrthoGenomics

Personalized medicine through genomics holds the promise of allowing physicians to be more accurate in predicting and preventing musculoskeletal issues. Hoag Orthopedics is conducting the first study of its kind nationwide. The OrthoGenomics study examines how patients react to certain pain medications and anti-inflammatories as well as which patients might develop issues such as osteolysis or have a higher risk of infection. By identifying genetic links to pain, range of motion and recovery, surgeons can best treat conditions for greater patient outcomes.

Pain Journal Study – “A Prospective Look at Narcotic Use Following Simple Knee Arthroscopy”

Hoag Orthopedics Sports Medicine Fellow, Michael Dempewolf, DO, MBA, participated in this study that looks at how genomics can predict a patient’s response to pain medication. By documenting and collecting data from 500 patients, the Hoag Orthopedics team is creating a new standard for how much medication to prescribe to patients for optimal pain management.

“Narcotic medication abuse and over prescription is a national epidemic,” said Dr. Dempewolf. “We are conducting prospective research which will help to quantify and eventually change the prescribing habits of orthopedic surgeons. The information gained will help to reduce the risk of narcotic related complications and will have large implications in health care cost containment.”

The Promise of Education

REPORT TO DONORS

Hoag Orthopedics celebrated the first Annual Orthopedic Fellowship Research Day at the Allan & Sandy Fainberg Community Education Center at Hoag Hospital Irvine. The four graduating fellows delivered special case reviews and presentations on their work and research investigations to their peers, attending surgeons and distinguished visiting Professor Ryan M. Nunley, MD, from Washington University School of Medicine, St. Louis, MO.

The four fellows are: Michael Dempewolf, DO, MBA (Sports Medicine); Alexander Richter, MD (Spine); Aaron Forbes, MD (Total Joint); and Paige Mallette, MD (Total Joint).

Thanks to Hoag's generous donors, including NuVasive which funded Hoag's Orthopedic Spine Fellow, each trained fellow takes best practices learned at Hoag Orthopedics into Orange County and far beyond.

"The Hoag Orthopedics Sports Medicine fellowship offered an opportunity to work within a great health system with a network of skilled and knowledgeable physicians," said Dr. Dempewolf. "The training I received will serve as the bar I will use to measure and hope to reach with my future endeavors."

Dr. Forbes added, "My mentors Dr. Gorab, Dr. Barnett, Dr. Nassif and Dr. Patel and the entire team made the experience productive and enjoyable. The large joint replacement patient database and standardized protocols at Hoag Orthopedics facilitate high-quality studies that will impact the way surgeons practice."



Visiting Professor, Ryan M. Nunley, MD, delivering a case review

Community Outreach

HOI Physicians Give Back

Last year, physicians of Hoag Orthopedic Institute donated \$118,000 in support of Hoag orthopedic education and research. These committed physicians have raised more than \$680,000 in gifts since the inception of Hoag Orthopedics and more than fifty percent of these physician philanthropists contribute financially or through service to community outreach programs.

“When Hoag Orthopedics opened five years ago, we were not only given a great playground for innovation, but we orthopedic surgeons were also given an unprecedented opportunity to build it,” says Alan Beyer, MD, executive medical director of Hoag Orthopedic Institute. “We were eager to give back.”

Dr. Beyer is also the first Hoag physician recognized as a Hoag Benefactor for his cumulative donations.

Dr. Andrew Gerken with high school football player



Giving Back Through Service

Hoag Orthopedics – from top leadership to physicians to staff – is involved in the community.

Thanks to the generosity of donors, several Hoag Orthopedics physicians served as team physicians for local high school, community college and university sports programs. They provide pre-participation physicals, treat athletic injuries and educate athletic trainers.

Hoag Orthopedics Team Physicians and Sports Teams Served:

- Alan Beyer, MD, Orange County Breakers Professional Tennis
- James T. Caillouette, MD, Joan & Andy Fimiano Endowed Chair in Orthopedic Surgery, Sage Hill High School
- Steven Dennis, MD, Deerfield Academy
- David Gazzaniga, MD, University High School and St. Margaret's School
- Andrew Gerken, MD, Corona del Mar High School
- Robert Grumet, MD, Crean Lutheran High School and Irvine High School
- David Kim, MD, Edison High School
- David Kruse, MD, USA Gymnastics
- Russell Petrie, MD, Vanguard University and USA Volleyball
- Carlos Prietto, MD, Mater Dei High School and University of California, Irvine
- Miguel Prietto, MD, Cal State Fullerton and Chapman University
- Ben Rubin, MD, Servite High School
- Mike Shepard, MD, Santa Ana College, Servite High School and Rosary High School
- James Ting, MD, Sage Hill High School, Los Angeles Triathlon, Ironman World Championship & UCLA
- Alexander Tischler, MD, Newport Harbor High School
- Eugene Yim, MD, US Soccer Team

Funding Innovation

REPORT TO DONORS

Dr. James Caillouette, Joan & Andy Fimiano Endowed Chair in Orthopedic Surgery, Continually Innovates to Keep Patients Moving

James T. Caillouette, MD, Joan & Andy Fimiano Endowed Chair in Orthopedic Surgery, has a saying he shares with patients. Motion is life. Those words not only define his work as an orthopedic surgeon who restores mobility to his patients, they fuel his personal mission to innovate the technology and delivery of orthopedic care.

The proceeds from the endowed chair will enable Dr. Caillouette, chief strategy officer of Hoag Orthopedic Institute, to expand outreach, education, research and innovation. The Fimiano's generosity gives him and his team the opportunity to introduce more

process innovations such as bundled payment, a new payment model Hoag Orthopedics introduced in 2008. With proven success, Medicare adopted this payment system for total hip and knee replacement. It is anticipated that bundled payment will ultimately be applied to most interventional specialties.

Andy and Joan Fimiano, who were both treated several years ago by Dr. Caillouette, established the Joan & Andy Fimiano Endowed Chair in Orthopedic Surgery to recognize and honor the physician for his work in health care economics and reform, along with the design of next-generation hip and knee implants.



Andy and Joan Fimiano with Dr. Caillouette



Vance O. Gardner, MD, speaking at the Vital Link's STEM and the Arts Career Showcase

Vital Link STEM and Arts Career Pathways

On April 15, Vance O. Gardner, MD, medical director, Hoag Orthopedics, spoke to 500 middle school, high school and college students at the Vital Link's STEM and the Arts Career Showcase at the OC Fairgrounds. Dr. Gardner shared the path that led him to pursue the medical field and become an orthopedic spine surgeon. Thank you to the Fainbarg family for supporting Dr. Gardner and Hoag Orthopedics in community outreach which allows students from underserved areas an opportunity to explore, discover and connect to future career pathways.

Hoag Orthopedics is partnering with Vital Link to create health care career educational opportunities such as athletic training, internships and bringing students to Hoag Orthopedic Institute to experience the full spectrum of patient care.

Thank you

Thank you for your generous support of research, education and community outreach at Hoag Orthopedics. Because of you, Hoag Orthopedics physicians are breaking new ground in advancing orthopedic care in our community.

For more information, please contact C.C. Hafner at (949) 517-3178 or CC.Hafner@hoag.org or Christine Blough at (949) 517-3099 or Christine.Blough@hoag.org. Please visit our website: www.HoagPromise.org.