Sequoia Hospital Foundation

Stepping Forward: Transforming Orthopedic Surgery

Introducing Robotic Joint Replacement Technology at Sequoia Hospital

Studies show that Mako SmartRobotics™ offers multiple benefits for patients, including:

- Less bone and soft tissue damage
- Less time to hospital discharge
- Less need for in-patient physical therapy sessions
- Less pain after surgery
- Less need for opioid pain medications following the surgery

Initiative to raise $1.2 million

Sequoia Hospital and its outstanding physicians have a strong commitment to providing the most advanced care for all surgical procedures. Today, significant advancements in joint replacement surgery are transforming how orthopedic procedures are performed. Innovative robotic technology allows surgeons to personalize total and partial knee and hip replacement's for every patient.

Sequoia Hospital Foundation's funding initiative, **Stepping Forward: *Transforming Orthopedic Surgery,*** is a new initiative to purchase a Mako SmartRobotics™ system, bringing orthopedic care to the forefront of excellence. With the support of philanthropic funding, the center will implement robotics in knee and hip replacements, bringing advanced technology to maximize patient comfort and healing.

Robotics is a technological advancement in joint replacement surgery that significantly improves total and partial knee replacements and hip replacements. Performed by helping surgeons to know more, cut less, and execute extremely delicate and precise maneuvers. With this new technology, joint replacement procedures at Sequoia can be less invasive and more efficient, producing better patient outcomes.

Our goal is to bring healing and good health to our patients with the latest medical technology. Philanthropy can help us reach our goals.

How will robotics improve joint surgery?

Using a virtual 3D model, Mako SmartRobotics™ allows surgeons to personalize each patient's surgical plan, so there is a clear plan for how the surgeon will position the implant before entering the operating room. CT scanning shows a patient's unique anatomy, giving doctors an up-close and detailed look. This helps plan every cut during the surgery, minimizing tissue and bone loss. The robotic-arm allows the surgeon to execute that plan with increased accuracy and predictability during surgery. The surgeon guides the robotic-arm during bone preparation to achieve the predetermined surgical plan and position the implant.

Patients will benefit from faster recovery, less pain, and less pain medication. Patient safety also is improved as surgeons know the exact size of the bone to the millimeter, giving patients an extra layer of safety to prevent unneeded cuts.

An investment in outstanding patient care

Robotics is the next leading-edge solution for patients suffering from painful joint ailments. Philanthropic support from the community will bring high-tech robotic technology, demonstrating our commitment to providing patients with exceptional health care.

As a not-for-profit hospital serving the San Francisco peninsula and the surrounding region, charitable support is essential to our ability to continue delivering health care that goes beyond expectations. Please help support the healing mission of Sequoia Hospital, which has provided compassionate and state-of-the-art health care since 1950. Your gift today assures that our community has the most sophisticated medical technology available, here close to home.

State-of-the-art health care

Sequoia is included in the annual U.S. News & World Report. Sequoia Hospital ranked #4 in the San Francisco region, #32 in California and "High Performing" for its knee replacement surgeries. Sequoia Hospital's Orthopedic department has also received an Exemplary quality status from the ACS National Surgical Quality Improvement Program (ACS NSQIP) in areas such as managing morbidity in all cases and orthopedic surgery, reducing blood clots, infections, and lowering readmission into hospitals.

Your gift is more important now than ever

Medical facilities across the nation and globe have diverted much of their financial resources to the COVID-19 response. Sequoia Hospital is no exception. While the hospital offers the same advanced and award-winning care, it cannot fund all updates to hospital programs and projects. At this challenging time, community donations are essential to the hospital's operations and ability to provide high-quality, world-class care to the community. Philanthropy is needed to fund the purchase of the Mako SmartRobotics™ technology.

Learn more

For additional information about the **Stepping Forward:** ***Transforming Orthopedic Surgery*** initiative please contact Sukhie Bal at 650.367.5657 or **Sukhie.Bal@DignityHealth.org.**

"Orthopedic surgeons at Sequoia have been researching surgical robotics and agree that our patients will benefit from this innovation. Studies show significant improvements in patient outcomes using this advanced system. Sequoia will maintain its position as a center of orthopedic excellence in the Bay Area with robotic technology. Thank you for supporting us."

– Bradley P. Graw, MD
Orthopedic Surgeon
Total Joint Replacement Specialist

"Having a 94 year old father, I greatly understand the importance of mobility for quality of life and life itself. Robot total joint replacement ushers in a new generation of technology to help us more precisely implant replacements, better delivering the mobility needed by our patients."

– James M. Hartford, MD
Orthopedic Surgeon
Total Joint Replacement Specialist

"Total knee replacement enables patients to walk, hike, and return to activities after suffering from disabling knee arthritis. It is believed that better alignment and improved implant position lead to better functional outcomes for patients undergoing this procedure. Robotic total knee replacement has been shown to improve both alignment and implant position. We are eager to begin using robotic technology at Sequoia Hospital to provide our patients with the best possible outcomes from total knee replacement surgery."

– Neal M. Berger, MD
Orthopedic Surgeon
Total Joint Replacement Specialist