

UNIVERSITY OF UTAH RELEASE

## **University of Utah Orthopaedic Innovation Center Unveils Breakthrough Dynamic Compression Implant System**

Salt Lake City, UT — September 8, 2025 — The L. S. Peery, M.D. Orthopaedic Innovation Center at the Department of Orthopaedics, Spencer Fox Eccles School of Medicine, University of Utah, today announced a major advancement in orthopedic surgical technology: a Dynamic Compression Implant System designed to transform fracture fixation, joint fusion, and osteotomy stabilization. The platform technology includes Bone Screws, Intramedullary Fixation Devices, and Hybrid Devices that address a broad range of orthopaedic surgical indications.

Unlike traditional static implants, this system delivers continuous dynamic compression, a proven biomechanical principle that has already revolutionized bone staple technology. Just as dynamic compression bone staples made from nitinol have replaced static staples made from stainless steel, dynamic compression screws and dynamic compression intramedullary devices are poised to become the new standard in orthopedic fixation.

The Dynamic Compression Implant System is backed by a robust intellectual property portfolio:

- Six issued U.S. patents with additional U.S. and international applications pending
- A strong patent estate expected to form a dominant position in the dynamic compression implant space

Regulatory advancement is already underway. A 510(k) submission for the dynamic compression bone screw technology is currently pending FDA clearance, which, once obtained, will allow for commercialization in the United States.

“This technology represents an important evolution in orthopedic fixation,” said Wade Fallin, Executive Director of the LS Peery, MD Orthopaedic Innovation Center and Dr. Louis S. and Janet B. Peery Presidential Research Professor. “Dynamic compression has demonstrated clear biomechanical and clinical advantages. With our patented platform, we believe we are on the cusp of transforming orthopedic surgery worldwide.” “This platform reflects the University’s strength in translating orthopedic innovation into real-world solutions,” said Bruce Hunter, Chief Innovation Officer at the University of Utah’s Technology Licensing Office. “We’re poised to work with medical device companies and strategic partners to accelerate commercialization and expand access to these transformative technologies.”

The Orthopaedic Innovation Center is actively engaging with medical device companies and strategic partners interested in licensing or acquiring rights to the Dynamic Compression Implant System.

Contact:

About the Orthopaedic Innovation Center (OIC)

The OIC is dedicated to advancing musculoskeletal health through novel medical device technologies, translational research, and partnerships with industry leaders. Located within the Department of Orthopaedics, Specer Fox Eccles School of Medicine, University of Utah, and in collaboration with the Technology Licensing Office, the OIC has a proven track record of innovation and successful technology transfer.

For more information regarding the OIC, contact Wade Fallin at [wade.fallin@hsc.utah.edu](mailto:wade.fallin@hsc.utah.edu).