

V-DUO POLYAXIAL/MONOAXIAL LOCKING DESIGN

New Orthopaedic Plate for Fusion of Periprosthetic Fractures with a Novel V-Duo Monoaxial/Polyaxial Locking Design

The combination of one polyaxial and one monoaxial screw in a single hole improves plate stability in the fusion of periprosthetic fractures.

BERLIN (Dec. 18, 2017) – Merete GmbH has designed a groundbreaking single-hole, duo-screw orthopaedic locking plate to fuse periprosthetic fractures after hip replacements.

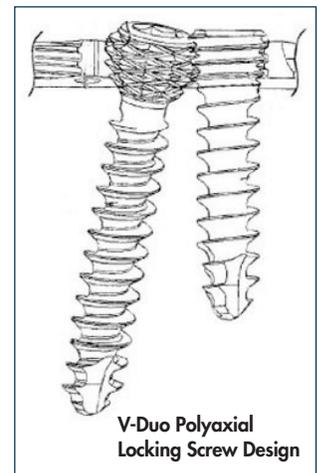
The new design of Merete's **PeriPlate™** equipped with the **V-Duo Monoaxial/Polyaxial Locking Hole** helps to reassemble and support bone fragments for natural osteosynthesis in periprosthetic fractures.

"Periprosthetic fractures that occur near implants are serious complications that need to be addressed with innovative solutions," Merete founder Emmanuel Anapliotis said. "Surgeons can use this compact implant to customize screw angulations and to secure multiple fragments for optimal outcomes."

"The incidence of periprosthetic fractures is rising due to patient longevity coupled with active lifestyles," Anapliotis said. "Merete is committed to surgeons dedicated to keeping their patients active and mobile."

German orthopaedic surgeon Bernhard Clasbrummel developed the **V-Duo Monoaxial/Polyaxial Locking hole** is developed in collaboration with Merete's former Chief Technology Officer Curt Kranz.

This bone plate hole configuration increases the stability of polyaxial screws in periprosthetic fractures, where leg loading forces are high. The proximity of the screws also enables the capture of additional bone chips while the locking mechanism of the **PeriPlate™** allows micromotion so fragments fuse safely while the periosteum stays vascularized. Surgeons will find the versatile, titanium-alloy system especially helpful in procedures for osteoporotic patients, high-energy trauma and sports-related injuries.



The United States Patent and Trademark Office recently accepted and registered this novel solution as Patent 9,788,874 B2.

Merete's new implant is a pro-active response to the rising incidence of post-hip replacement fractures. Hip replacements are common procedures, accounting for 450,900 stays in U.S hospitals in 2012, The Healthcare Cost and Utilization Project reports. Surgeons performed a total of 40,800 hip revisions in 2005 and demand is expected to rise by 137 percent to 96,700 annually by the year 2030.

Thank you.

Press contact: Jeff Johnson
(630) 613-7182