SUCCESS STORY

RITA LEIBINGER MEDICAL

Tiny Plates, Big Impact: TPLO for Small Dogs

by Dr. Jeff Mayo

Expanding TPLO Beyond Big Breeds

For years, TPLO surgery was largely reserved for medium and large dogs, while smaller patients often underwent lateral suture stabilization. However, smaller dogs typically have higher tibial plateau angles than their larger counterparts, increasing strain on the suture and raising the risk of breakage. Thanks to the development of our 2.0/2.4 TPLO System — and now our even **tinier 1.5 mm Titanium TPLO Swing Tiny Plates** — TPLO is a safe and effective option for even the smallest patients.

Case Overview

Today's patient was a petite, 5 kg mixed-breed dog with a cruciate ligament injury. To address the biomechanical demands and ensure long-term stability, a 2.0 mm LeiLOX TPLO Plate was used. The miniaturized plate design allowed for precise anatomical fit without compromising strength.

Implant Overview:

- **Precision Fit**: Optimized for small bone anatomy.
- **Rigid Stability**: Maintains fixation during the healing phase.
- **Long-Term Reliability**: Reduces risk of implant or repair failure.

Recovery Outlook

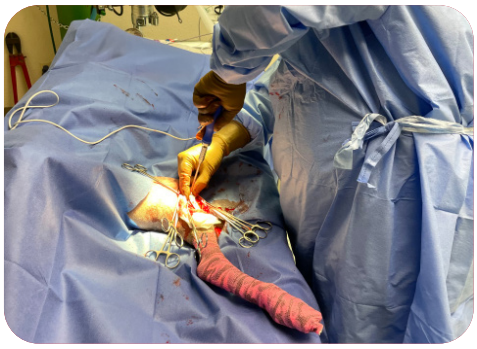
The surgery was completed smoothly, and postoperative radiographs confirmed excellent alignment and fixation. With controlled rehabilitation, the patient is expected to regain full mobility and enjoy a pain-free return to daily activity.

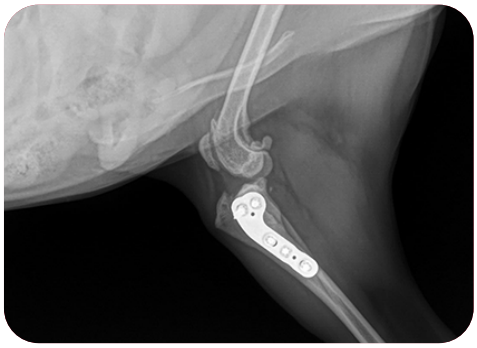
A New Era in Small Animal Orthopedics

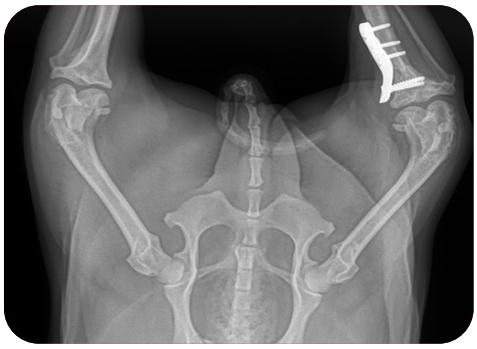
This case highlights how innovation in implant design continues to open new possibilities for smaller patients.

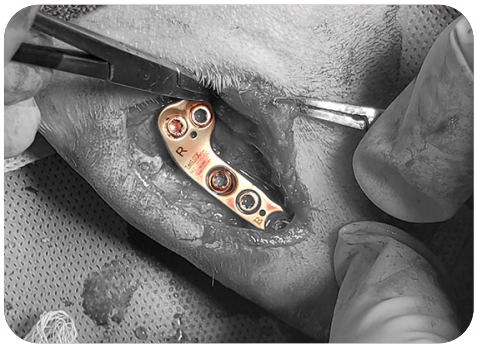
With the addition of the 1.5 mm LeiLOX TPLO Swing Tiny Plates, what was once considered "too small" for TPLO is now a realistic and reliable treatment option — even for the tiniest canine patients like toy breeds.

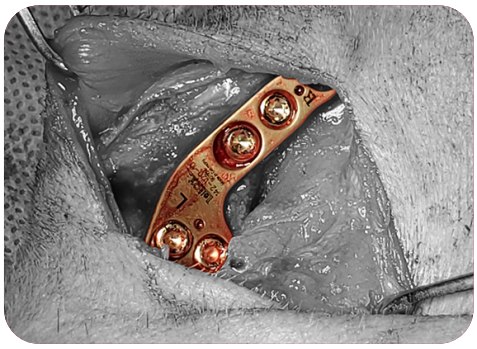
Surgery by: Dr. Jeff Mayo, Mayo Veterinary Services, USA
Implant Used: 2.0 mm LeiLOX TPLO Plate Stainless Steel Plate (also available in Titanium)
Manufacturer: Rita Leibinger Medical











+49 7463 99 291 0
info@leibinger-medical.com
Am Lippach 14, Muehlheim, 78570, Germany
www.leibinger.vet