TightRope® CCL Fixation System Multicenter Clinical Outcomes Study

Cases Reported: 2,563 cases
Duration: 3 months to > 5 years
Weight Range: 2 – 93 kg
Centers Reporting Data: 43

Reported Success Rate — 94.9%

64.6% — Full Function (restoration to, or maintenance of, full intended level and duration of activities and performance from pre-injury or pre-disease status without medication)

30.3% — Acceptable Function (restoration to, or maintenance of, intended activities and performance from pre-injury or pre-disease status that is limited in level or duration and/or requires medication to achieve)

Complications

0.2% — Catastrophic (resulting in permanent disability or death)

9.8% — Major (requires further treatment based on current standard of care)

5.2% — Subsequent Meniscal Tears

2.9% — Instability/Failure

1.7% — Infection

9.1% — Minor (not requiring additional surgical or medical treatment to resolve)

References:


Surgeons contributing to the multicenter clinical study:

Dr. Mark Albrecht – Gallatin Veterinary Hospital
Dr. Jeff Baker – Crawford Animal Hospital
Dr. Toni Barnes – Westside Veterinary Clinic
Dr. Bert Blackburn – Buck Animal Hospital
Dr. Lee Breshers – Animal Emergency & Specialists Center
Dr. Cal Cadmus – Oakdale Veterinary Group
Dr. Jimi Cook – University of Missouri
Dr. Robert Cook – Animal Medical Center of St. Charles
Dr. David Crouch – Western Carolina Veterinary Surgery
Dr. Chad Devitt – Veterinary Referral Center of Colorado
Dr. Felix Euer – Aspen Meadows Veterinary Specialists
Dr. Jay Erne – Affiliated Veterinary Specialists
Dr. Tom Fehr – North Shore Animal Hospital
Dr. Mark Freiberg – Rose Hill Animal Hospital
Dr. J. K. Garrett – Animal Hospital of Fayetteville
Dr. Caroline Garzotto – Willington Veterinary Clinic
Dr. Mitch Gillick – Toronto Veterinary Emergency Hospital
Dr. Charles Greco – Animal Medical Hospital
Dr. Peter Haase – Arlington Veterinary Surgical Specialists
Dr. Tom Hay – Veterinary Surgical Specialists
Dr. Craig Hook – Mid Michigan Veterinary Referral Center
Dr. Silvia Jauernig – Member of European College of Veterinary Surgeons
Dr. Joanna Johansen – Linwood Animal Clinic
Dr. Nick Kalafatis – Meridian Veterinary Hospital
Dr. Garren Kelly – Byron Pet Clinic
Dr. David Kydd – Kydd Veterinary Health Centre of London
Dr. Tom Liebl – Clinton Parkway Animal Hospital
Dr. Julius Liptak – Alta Vista Animal Hospital
Dr. Dale Marker – Jackson Hwy Veterinary Clinic
Dr. Thomas McNicholas – Affiliated Veterinary Specialists
Dr. Sherry Morris – Villamet Valley Animal Hospital
Dr. Paul Newman – Mobile Veterinary Surgical Services
Dr. Frank Ogden – Bonita Springs Veterinary Hospital
Dr. Antonio Pozzi – University of Florida
Dr. Charles Pullen – Animal Medical and Surgical Center
Dr. Patrick Ridge – Ridge Referrals
Dr. Matt Rooney – Aspen Meadows Veterinary Specialists
Dr. Jeff Schuett – Pewaukee Veterinary Services
Dr. Abbie Tipler – Kydd Veterinary Health Centre
Dr. Peter Veling – Caring Hands Pet Hospital
Dr. Arathi Vinayak – Arlington Veterinary Surgery Specialists
Dr. Ned Williams – Eastern Carolina Veterinary Referral
Dr. Wil Wright – Capital Illini Veterinary Services
**TightRope® CCL Fixation System**

**Advantages**
- Bone-to-bone fixation
- Helps ensure isometric implant placement
- Allows for minimally invasive technique
- Strength and stiffness of FiberTape® sutures
- Low-profile implant with good handling
- Potential for addressing all abnormal forces

**Potential Contraindications**
- Tibial plateau angle > 32º
- Angular limb deformity
- Connective tissue healing abnormalities
- Condyle < 12 mm cranial to caudal
- Poor post-op compliance

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**Biomechanical Testing Data**

![Graph showing yield and creep data for different implant types.](image)

**Subjectively Measure Stifle Stability for TightRope vs Tibial Plateau Leveling Osteotomy (TPLO)**

![Graph showing stifle stability measurements.](image)

**Client-based Outcomes Assessments for TightRope vs TPLO at 6 Months After Surgery**

![Graph showing client-based outcomes assessment.](image)

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Reference: