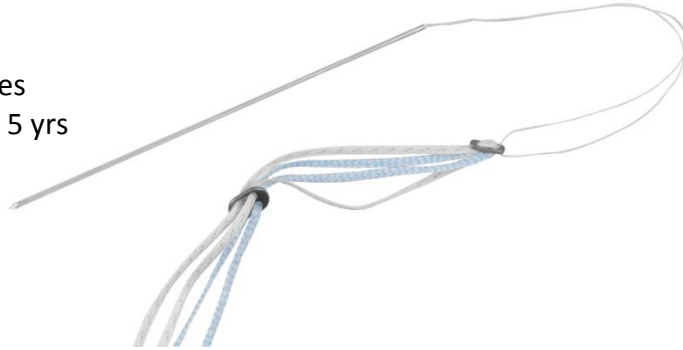


TightRope CCL Multicenter Clinical Outcomes Study

Cases Reported: 2,563 cases
 Duration: 3 mo to > 5 yrs
 Weight Range: 2-93 kg
 Centers Reporting Data: 43



Reported Success Rate

94.9% Success rate

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

- 0.02% Catastrophic (resulting in permanent disability or death)
- 9.8% Major (requires further treatment based on current standard of care)
 - Subsequent Meniscal Tears – 5.2%
 - Instability/Failure – 2.9%
 - Infection – 1.7%
- 9.1% Minor (not requiring additional surgical or medical treatment to resolve)

***Reported complication rates for TPLO, lateral suture, TTA, and cranial closing wedge osteotomy range from 17-59% in the peer-reviewed veterinary literature**

***An independent investigation by Dr. Rich Evans using Number Needed to Harm and Number Needed to Treat analyses showed TightRope to have the highest safety to efficacy ratio of all CCL procedures commonly used based on available data.**

Surgeons contributing to the multicenter clinical study:

- | | | |
|---|---|--|
| ❖ Dr. Mark Albrecht – Gallatin Veterinary Hospital | ❖ Dr. Caroline Garzotto – Willingboro Veterinary Clinic | ❖ Dr. Sheri Morris – Willamette Valley Animal Hospital |
| ❖ Dr. Jeff Baker – Crawford Animal Hospital | ❖ Dr. Mitch Gillick – Toronto Veterinary Emergency Hosp | ❖ Dr. Paul Newman – Mobile Veterinary Surgical Services |
| ❖ Dr. Toni Barnes – Westside Veterinary Clinic | ❖ Dr. Charles Greco – Animal Medical Hospital | ❖ Dr. Frank Ogden – Bonita Springs Veterinary Hospital |
| ❖ Dr. Bert Blackburn – Buck Animal Hospital | ❖ Dr. Peter Haase – Arlington Veterinary Surg. Spec. | ❖ Dr. Antonio Pozzi – University of Florida |
| ❖ Dr. Lee Breshears – Animal Emergency & Spec. Center | ❖ Dr. Tom Hay | ❖ Dr. Charles Pullen – Animal Medical and Surgical Center |
| ❖ Dr. Cal Cadmus – Oakdale Veterinary Group | ❖ Dr. Craig Hook – Mid-Michigan Veterinary Referral Center | ❖ Dr. Patrick Ridge – Ridge Referrals |
| ❖ Dr. Jimi Cook – University of Missouri | ❖ Dr. Jauernig | ❖ Dr. Matt Rooney – Aspen Meadows Veterinary Specialists |
| ❖ Dr. Robert Cook – Animal Medical Center of St. Charles | ❖ Dr. Joanna Johansen – Linwood Animal Clinic | ❖ Dr. Jeff Schuett – Pewaukee Veterinary Services |
| ❖ Dr. David Crouch – Western Carolina Veterinary Surgery | ❖ Dr. Nick Kalafatic – Meridian Veterinary Hospital | ❖ Dr. Abbie Tipler – Kydd Veterinary Health Centre |
| ❖ Dr. Chad Devitt – Veterinary Referral Center of Colorad | ❖ Dr. Garren Kelly – Byron Pet Clinic | ❖ Dr. Peter Veling – Caring Hands Pet Hospital |
| ❖ Dr. Felix Duerr – Aspen Meadows Veterinary Specialists | ❖ Dr. David Kydd – Kydd Veterinary Health Centre of London | ❖ Dr. Arathi Vinayak – Arlington Veterinary Surgery Specialist |
| ❖ Dr. Jay Erne – Affiliated Veterinary Specialists | ❖ Dr. Tom Liebl – Clinton Parkway Animal Hospital | ❖ Dr. Ned Williams – Eastern Carolina Veterinary Referral |
| ❖ Dr. Mike Ferber – North Shore Animal Hospital | ❖ Dr. Julius Liptak – Alta Vista Animal Hospital | ❖ Dr. Will Wright – Capitol Illini Veterinary Services |
| ❖ Dr. Mark Freiberg – Rose Hill Animal Hospital | ❖ Dr. Dale Marker – Jackson Hwy Veterinary Clinic | |
| ❖ Dr. Garrett – Animal Hospital of Fayetteville | ❖ Dr. Thomas McNicholas – Affiliated Veterinary Specialists | |

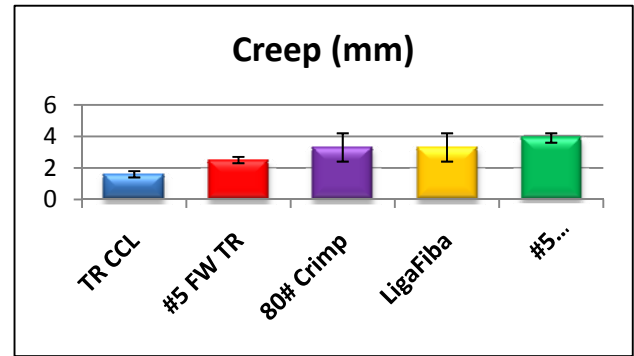
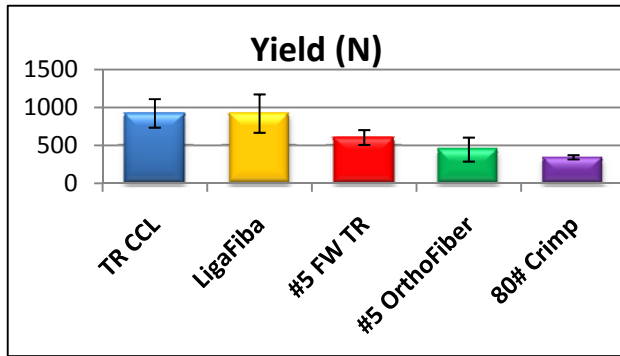
Advantages of TightRope CCL

- Bone to Bone fixation
- Helps ensure isometric implant placement
- Allows for minimally invasive technique
- Strength and Stiffness of Fibertape
- Low profile Implant with good handling
- Potential for addressing all abnormal forces

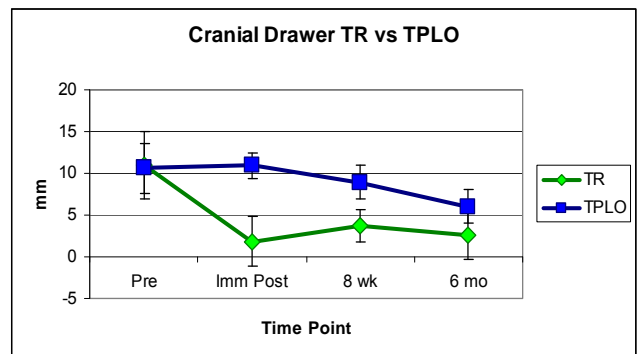
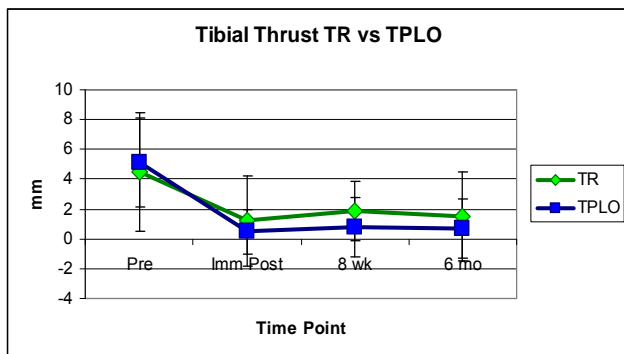
Potential Contraindications for TightRope CCL

- Tibial Plateau Angle > 32 degrees
- Angular Limb Deformity
- Connective tissue healing abnormalities
- Condyle < 12mm cranial to caudal
- Poor postop compliance

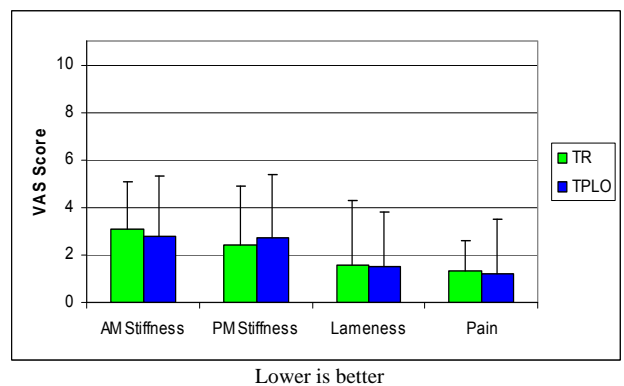
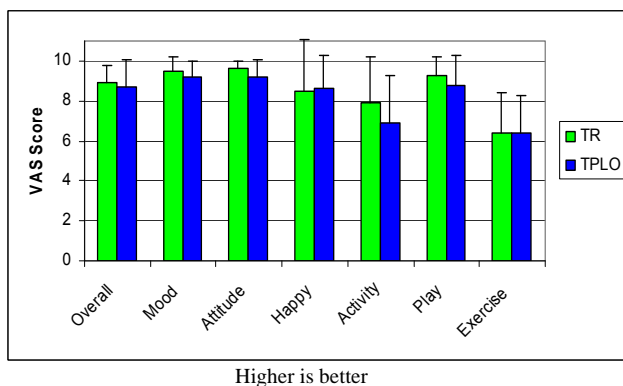
Biomechanical Testing Data



Subjectively measured stifle stability for TightRope (TR) vs TPLO



Client-based Outcomes Assessments for TightRope (TR) vs TPLO at 6 months after surgery



Cook JL, Luther JK, Beetem J, Karnes J, Cook CR. Clinical comparison of a novel extracapsular stabilization procedure and tibial plateau leveling osteotomy for treatment of cranial cruciate ligament deficiency in dogs. Vet Surg 2010; 39:315-323