



Valley Veterinary Surgery

Dr. Robert C Cook

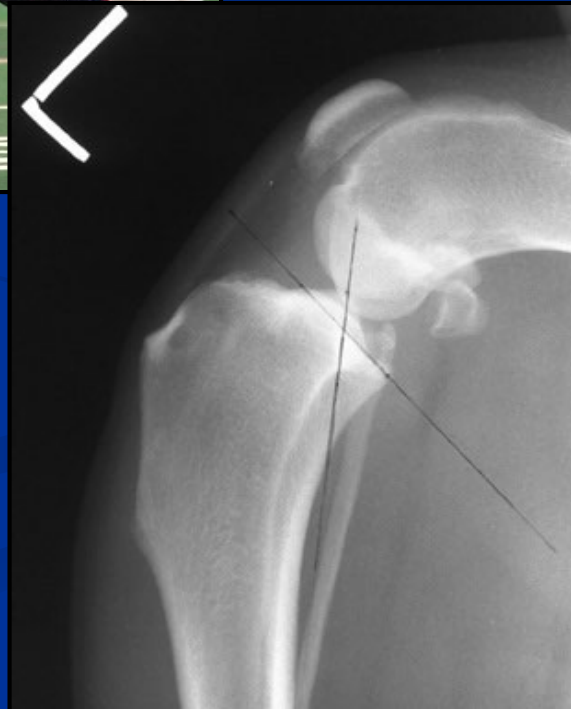
Anatomy & Function



Canine Stifle (knee)

Common Causes

- ✓ Trauma
- ✓ DEGENERATIVE
- ✓ Genetics
- ✓ Biomechanics



Surgical options....

■ Arthrotomy

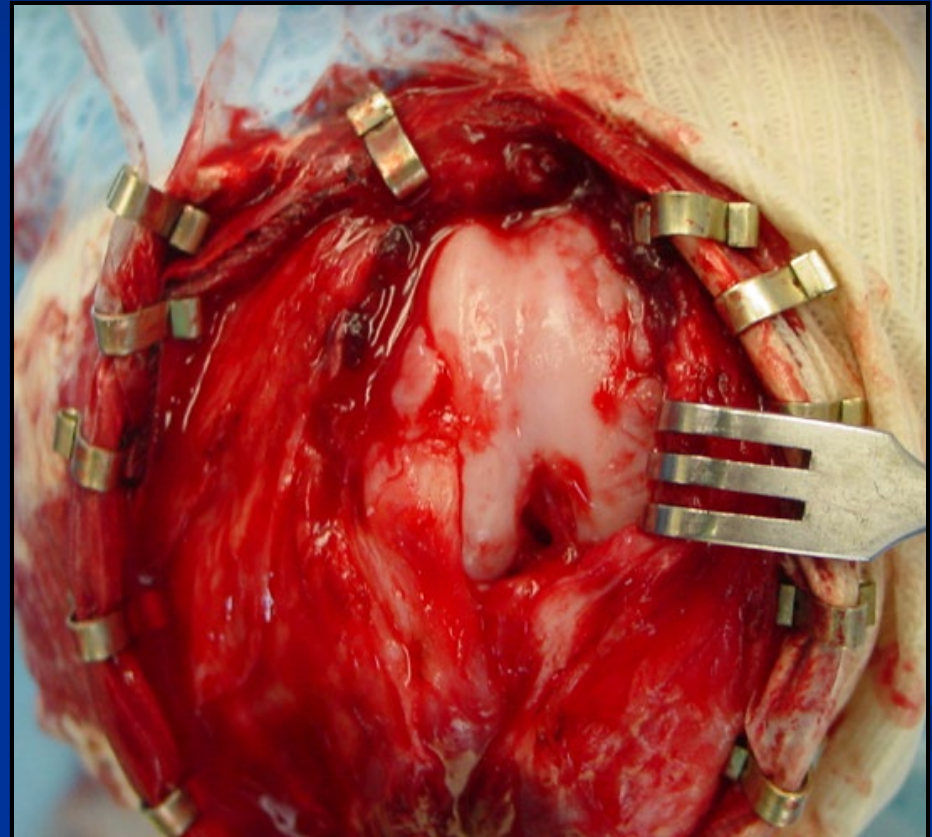
traditional open surgery

traumatic

poor visualization

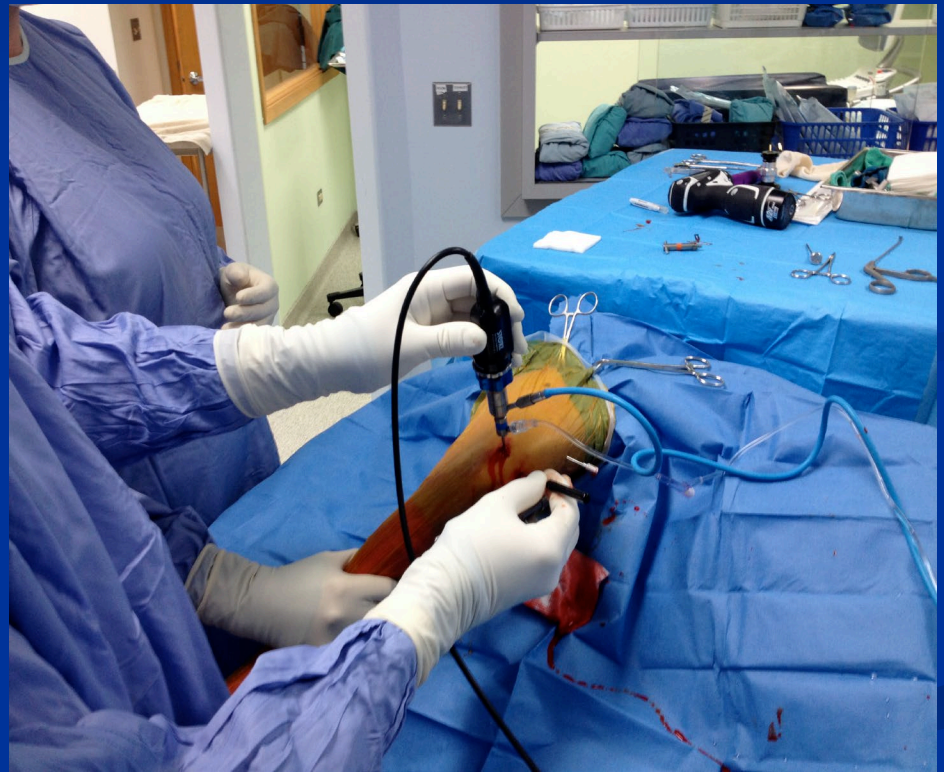
increased infection risk

longer healing

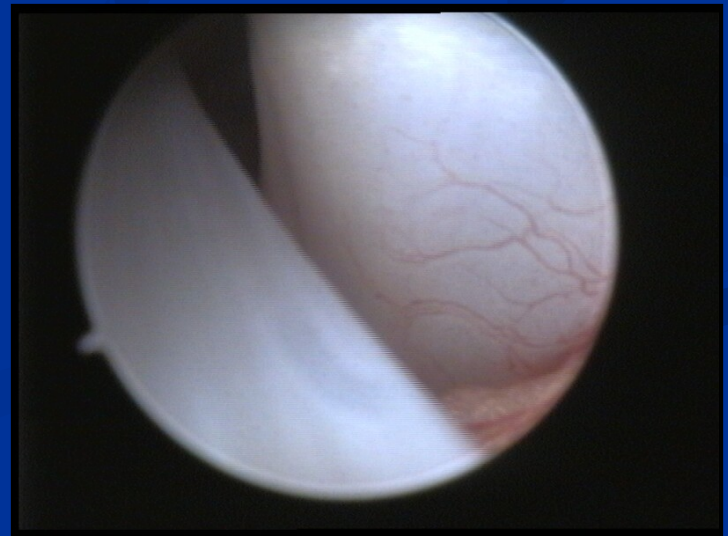
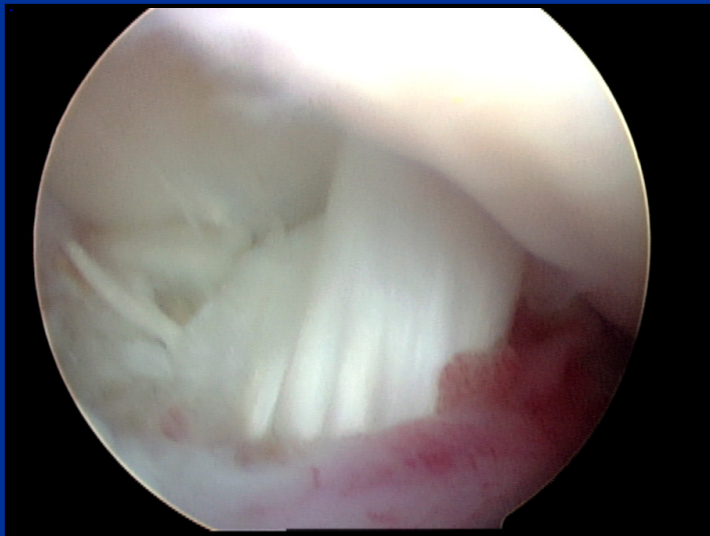
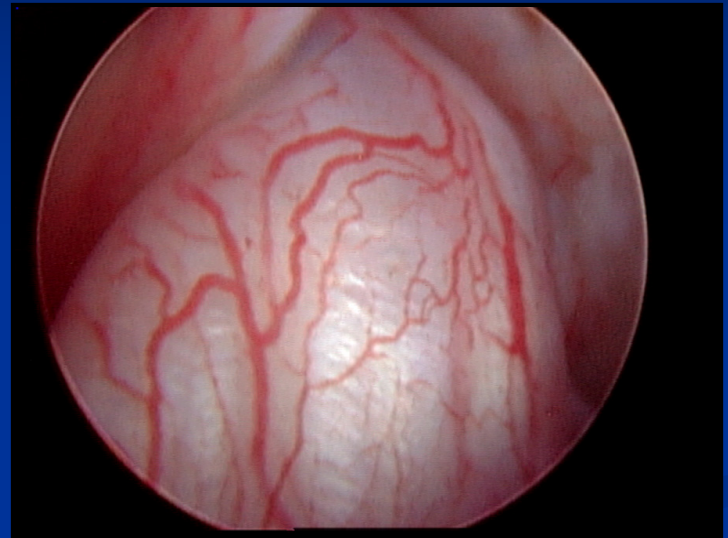
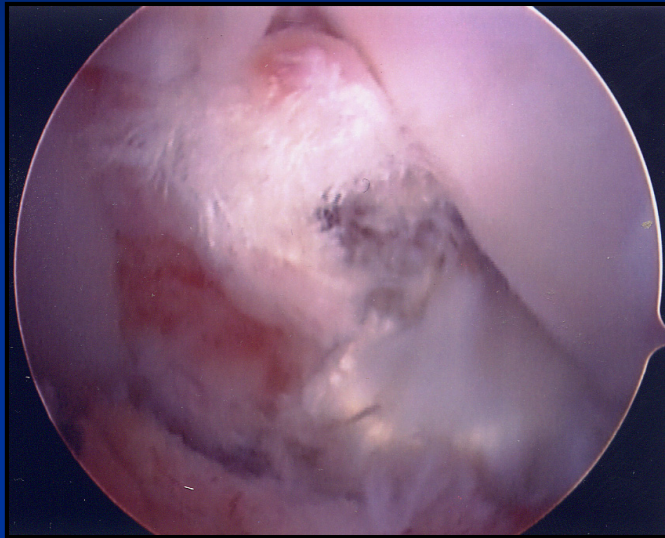


Better surgical option..

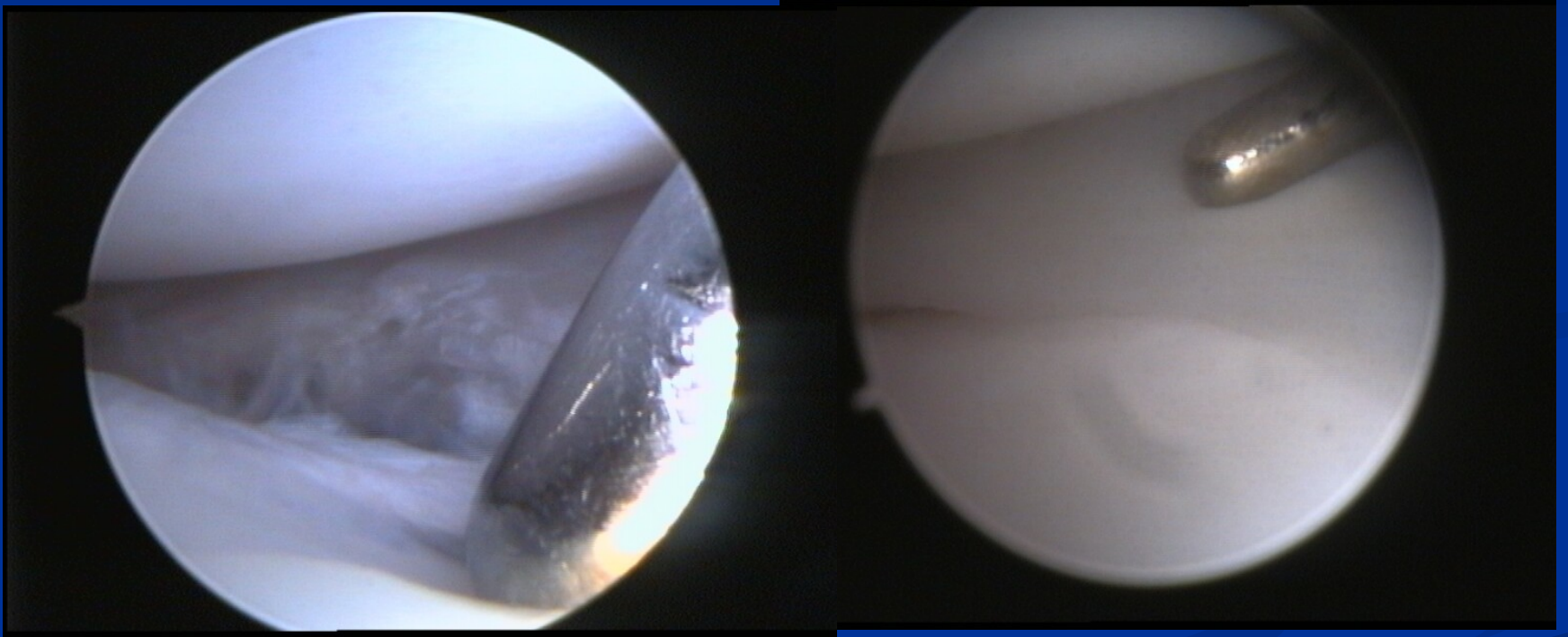
- Arthroscopy
 - Gold standard for joint surgery
 - Better visualization
 - Less pain and infection
 - More rapid return to function!



Accurate ligament assessment



Accurate meniscal assesment



Stabilization of the stifle

- Goals of repair
 - Minimally invasive
 - Long lasting
 - Restore normal function!

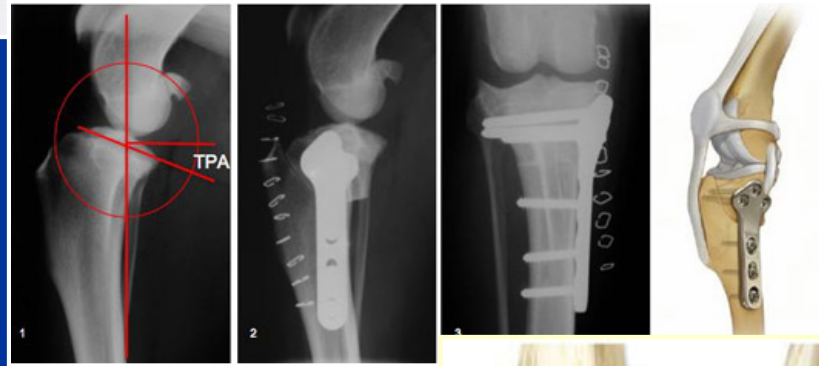


CCL Stabilization History

Lateral Suture
Technique
(Ex-cap)



TPLO

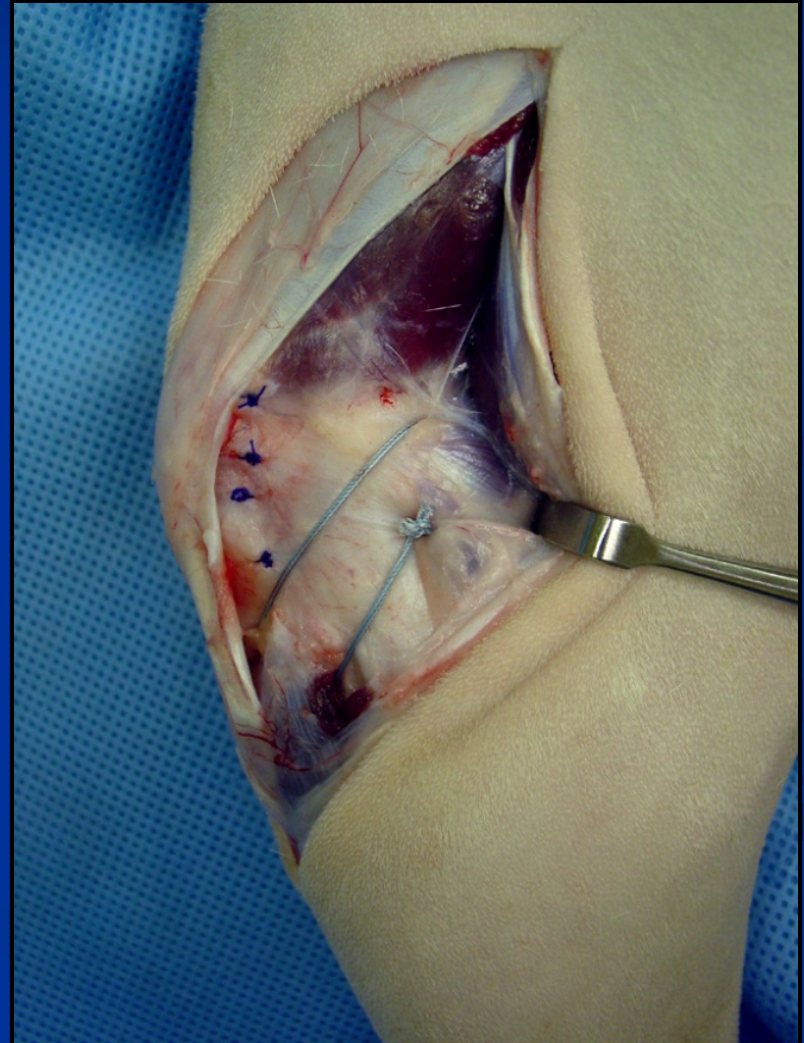
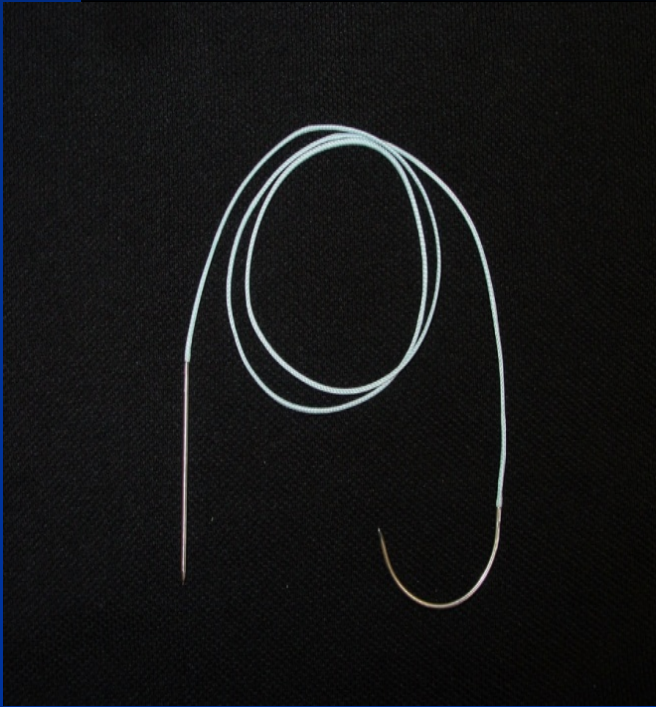


Tightrope System

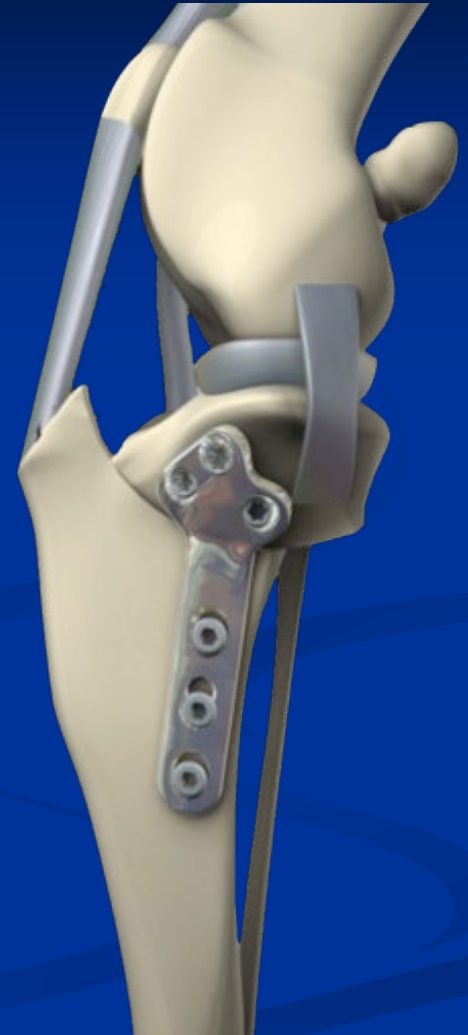
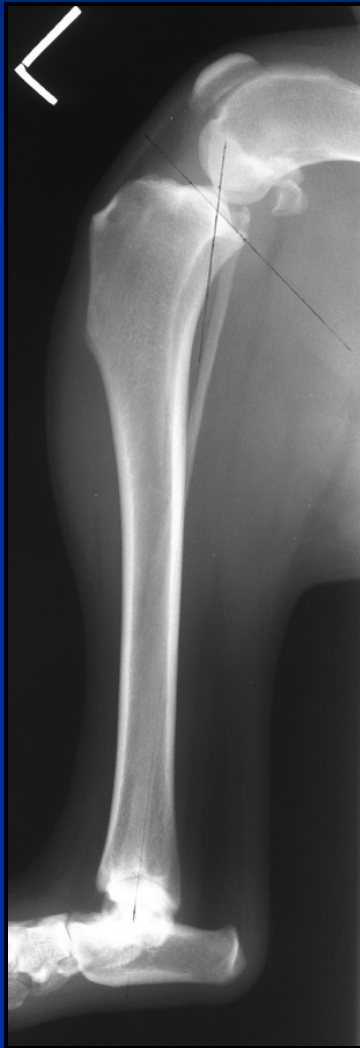


Etc...

Extracapsular



TPLO



Courtesy of Dr. Antonio Pozzi

Tibial Tuberosity Advancement



Courtesy of Dr. Don Hulse

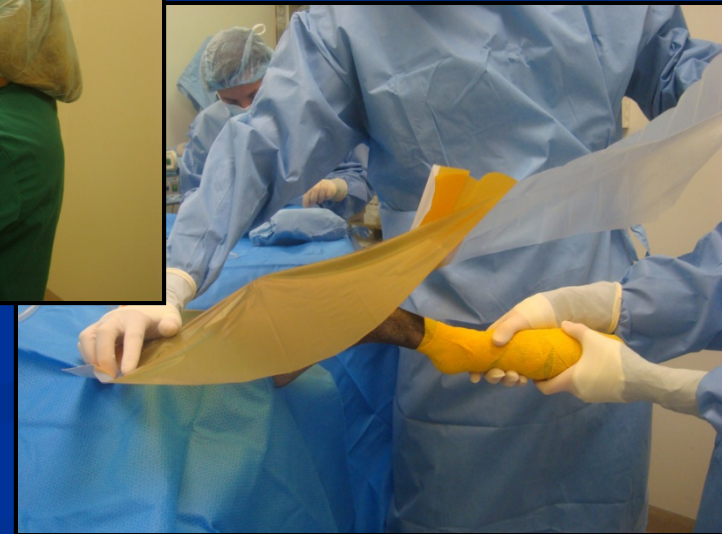


Courtesy of Dr. Antonio Pozzi

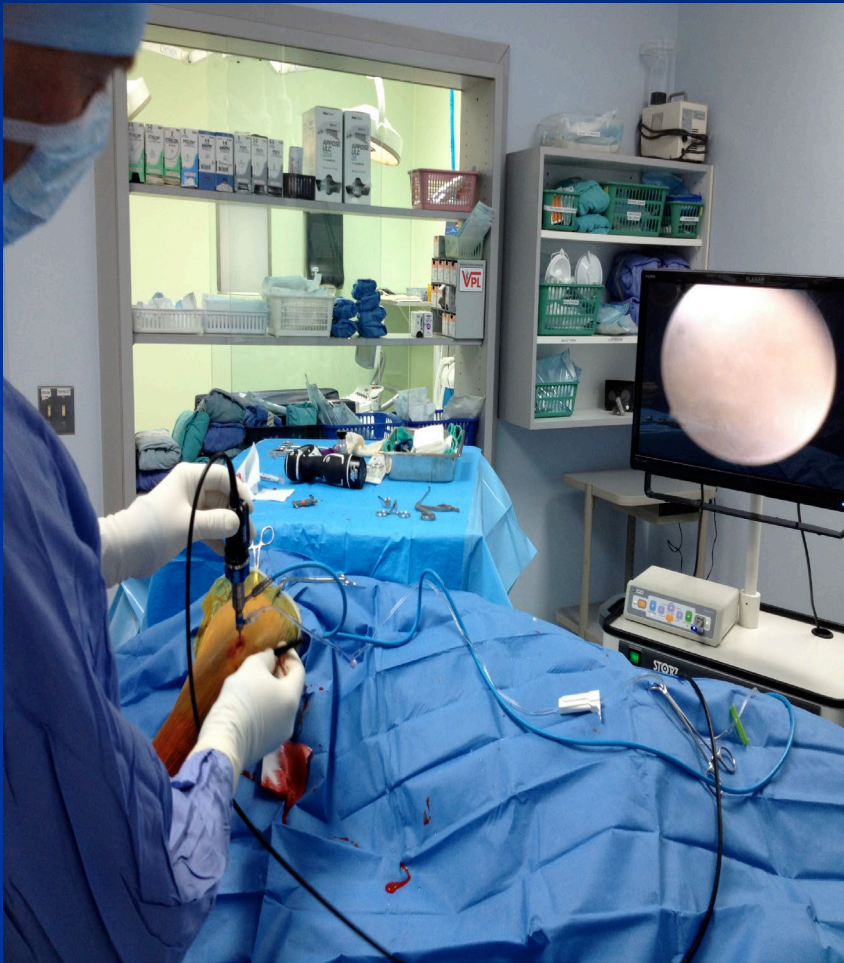
Tightrope Technique



Preparation



Surgical Setup



Incision needed for TR



Platelet Rich Plasma

- Speeds healing
- Reduces infections
- Reduces inflammation



Final look



Postop Radiographic Assessment



Possible Complications



Infection- about 3% if incision protected

Instability/Failure -3-4% if kept restricted

Other ??

Good Pain Management

- ✓ PREOPERATIVE-Tranquilizer and morphine
 - ✓ EPIDURAL with morphine- less anesthesia
 - ✓ LOCAL ANESTHETIC- lasts 3 days
- ✓ POSTOPERATIVE adjusting based on patient
 - ✓ AT HOME- a light sedative narcotic tablet
 - ✓ TLC and Dinner!

POST OPERATIVE CARE

NO ACTIVITY 2 WEEKS



PROTECT THE
INCISION



GIVE ALL MEDS AS
PRESCRIBED

Advantages of surgical repair

- Better outcomes with repair
- Meniscus injuries can be treated (pain reduction)
- Quicker return to function
- Less arthritis
- Protection of the other leg
- Cost of medications
- Patients under 10 pounds may do well without repair

EXPECT FULL RETURN TO FUNCTION!



A new innovation from Arthrex Vet Systems



TightRope® CCL Keeps Winners Winning!

National Retriever Championship finalist, Weezer Retriever, tore his CCL in the Spring of 2009 and missed an entire year of training and competing. Dr. Jeff Schuett did the reparative surgery using the **Arthrex TightRope CCL technique**.

Weezer continued his winning ways when he returned to field trials in 2010. In the eight months since he resumed training, he won three All Age stakes. The 2010 National Retriever Championship was the seventh that Weezer has been a finalist in - a record that is in the upper echelon of consistent achievement, coupled with over 105 All-Age points accumulated in his competitive career.

To cap off Weezer's comeback, in December 2010, Weezer qualified to run the 2011 National Amateur Championship in June.

FC AFC Weezer Retriever

- AKC Field Champion, Amateur Field Champion
- Finalist in seven National championships
- Over 105 All-Age points
- Finalist in the 2010 National Retriever Championship
- Winner of the Wisconsin Amateur Field Trial Club High Point Open Trophy for 2010



TightRope CCL VAS-2650

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- Over 1800 clinical cases reporting data up to three years out
- 94.5% success rate
- Excellent strength and handling properties
- Bone to bone fixation

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TIME UNTIL NORMAL??

- Depends greatly on the dog, more than the surgery!
- Six months for full joint healing.
- Most owners say lameness is resolved at 2-3 months post-op –improvement every week
- Rechecks always free! Show me problems!
- Worry more about the other leg!