



**VETERINARY SURGICAL
SPECIALISTS
OF NEBRASKA, P C**

David F. Merkley DVM MS

**DIPLOMATE AMERICAN COLLEGE OF
VETERINARY SURGEONS**

SOFT TISSUE AND ORTHOPEDIC SURGERY

Business: 402-206-1877

dfmerk@VeterinarySurgicalSpecialists.com

Orthopedic TPLO Protocol

Provided By Your Hospital:

Diagnosis: Anterior Cruciate Ligament Disease

Preoperative blood work: CBC and Chemistry panel

Preoperative Radiographs: TPLO requires a lateral with the stifle and hock in the film with 90-135 degrees of flexion at each joint. This allows measurement of slope for rotation calculations. I can also determine the amount of rotation needed during surgery if films are not available.

Premedication: **Your choice** (given 20 minutes prior to IV Cath Placement)

Example:	Hydromorphone	0.15 mg/Kg IM
	Dexdomitor	0.015ml/Kg IM (-1/3 label dose)
	Atropine	0.025 mg/Kg IM

IV Catheter Placement:

Preoperative fluid loading: 250-500mls depending on dog size

Fluids administration during surgery: 10ml/Kg/hour

Preoperative Antibiotics:

Cefazolin: Mix to 100 mg / ml
Dose: 22mg/Kg IV at induction
Two or three bottles needed

Repeat Cefazolin: Every 2 hours during anesthesia
or until oral antibiotic medication can be started

Induction and intubation: **Your choice**

Example: Propofol 3 mg / Kg / IV
but only to effect (dexdomitor above)

Pre-emptive pain control: **Your Choice**

Example: Hydromorphone (above)

Clipping hair for surgery (very liberal clipping):

Hind leg: Over mid line to just above toes at 360 degrees around the leg
Lateral flank to anus

Leg cleaning and wash:

Vacuum all hair

Wash the leg prior to surgical prepping (degrease and remove fine hair)-mild hand soap

Rinse (but do not soak the animal's hair coat) and dry with a towel

Transport to operating room:

Dorsal recumbency with V tray or V table

Hanging leg prep:

Requires IV stand (hang leg)

1" white tape

2" or 4" Coflex or Vetwrap (**any color but red**)

Surgical Scrub:

Your hospital's technique: (3 x 3 or 4 x 4 gauze sponges, **DO NOT USE COTTON PLEDGETS**)

Prep Example: Povidone iodine scrub with alcohol rinse (3-5 times)

or

Nolvasan scrub with alcohol rinse (3-5 times)

with

Povidone iodine solution or Nolvasan solution or alcohol final spray

(let the leg dry)

Surgical Supplies provided by your hospital:

Sterile gown

#8 surgical gloves

O PDS with taper cut needle (three packs)

#10 surgical blade for skin

15 surgical blade for deep tissues

Skin staples (wide)

Cefazolin: 100 mg / ml

2 ml to be placed in flush solution

2 ml to be placed on plate during closure

Bupivacaine: to be placed in joint during closure (check dose please)

Bupicacaine: splash block on subcutaneous tissues during closure

Floor towel under to catch flush solution

Wrapped table towel (support leg under drapes)

250 ml bottle of sterile saline for surgical flush

12 cc sterile syringe for surgical flush

Mayo stand

Large Instrument table with sterile table drape (for three large surgical packs)

Post operative films: Lateral and PA of stifle

Post operative pain control: **Your choice**

Example: Hydromorphone every four hours until awake

Post operative medications: **Your choice**

Example:

Antibiotic	Cephalexin	15mg/lb bid	10days
NSAID	Carprofen	1mg / lb bid or 2mg / lb SID	14days
Opioid	Tramadol	2mg / Kg TID	3 days
	then	2 mg / Kg BID	7 days

Provided by VSSON

Surgeon

Hood and mask

Linen Pack (surgical drapes)

Surgical Pack (general instruments)

Orthopedic Pack (plating instruments, screws, plates, etc)

Ioban Drape (sterile)

with adhesive spray (adhesive applied after surgical preparation is dry)

Red Coflex 2" (sterile, for hanging leg surgical preparation)

Power drill (sterile)

Power Saw (sterile) with variable speed floor adapter (requires electrical outlet with possible extension cord from you)

IM Pin Cutter (sterile)