



Patellar Luxation Demonstration Model

Pieces:

Wood base with screws

Normal right stifle

Patellar luxation left stifle

Slight varus deformity, shallow patellar groove

Removable patellar groove blocks

Transposable tibial tuberosity

Assembly:

Use the 4 screws to insert through the wood base and into the 4 holes in the grey stand

Use a Phillips driver to tighten—be sure to not overtighten and strip the holes

Suggested Use:

- 1) Normal right stifle
 - a. Discuss the depth of the patellar groove and the normal alignment of the quadriceps apparatus through the center of the groove
 - b. Discuss the strong extension force provided by the normal apparatus
- 2) Patellar luxation left stifle
 - a. Discuss the geometric abnormalities: varus bend of the femur, shallow patellar groove, malalignment of the quadriceps apparatus
 - b. Demonstrate medial patellar luxation
 - c. Discuss the effects of patellar luxation: weak extension, abnormal cartilage wear and arthritis, risk for damage to cranial cruciate ligament
- 3) Corrective surgical procedures
 - a. Demonstrate a block recession trochleoplasty, removing the intermediate block slice and replacing the surface piece
 - b. Discuss medial release and lateral imbrication (not pictured on model)
 - c. Demonstrate a lateral tibial tuberosity transposition and discuss the restoration of appropriate alignment