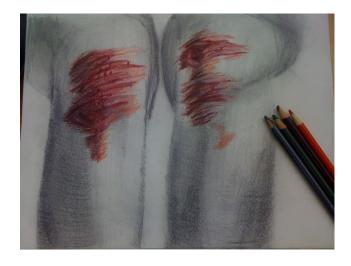
ANATOMY & PHYSIOLOGY APLLIED TO HATHA YOGA



INTERMEDIATE HATHA YOGA TEACHER TRAINING LETÍCIA PADMASRI , M.A., E-RYT 500, C-IAYT, YACEP

1

THE KNEE



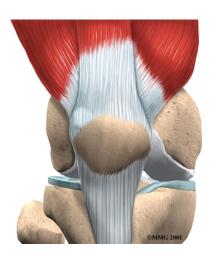
THE BONES



3

PATELLA

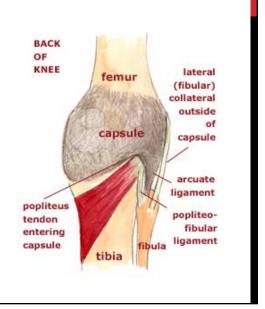
- Sesamoid bone
- Stabilizes knee in flexion
- Shields the knee

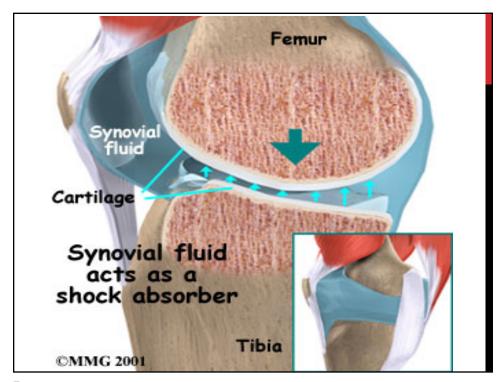


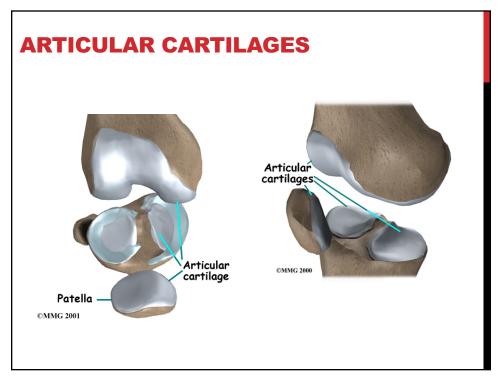


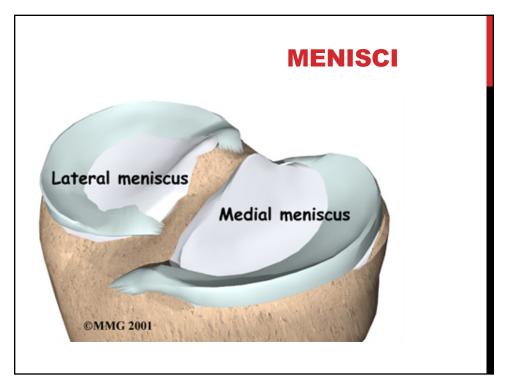
THE CAPSULE

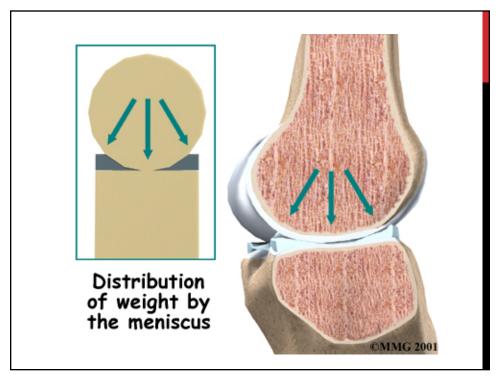
- Sleeve like, thick
- Fluid filled

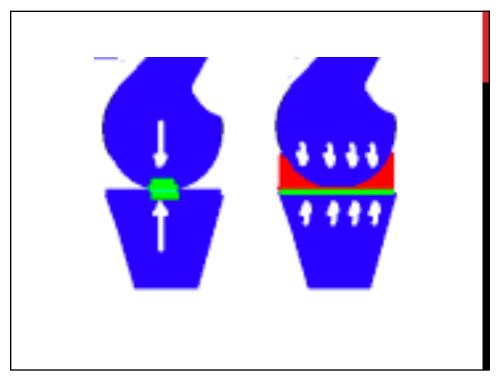


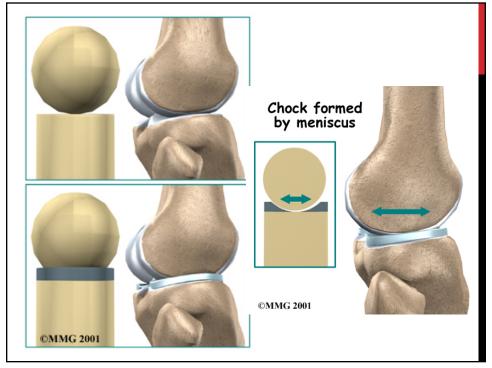


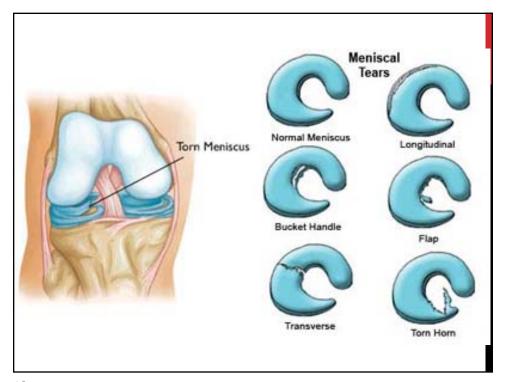






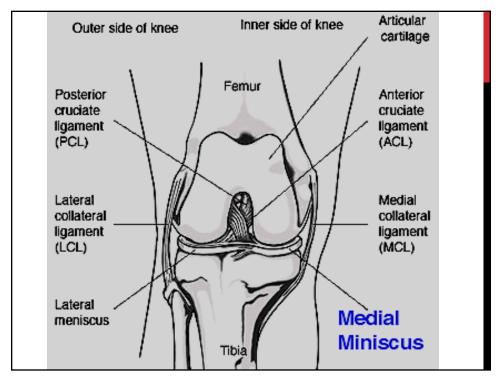


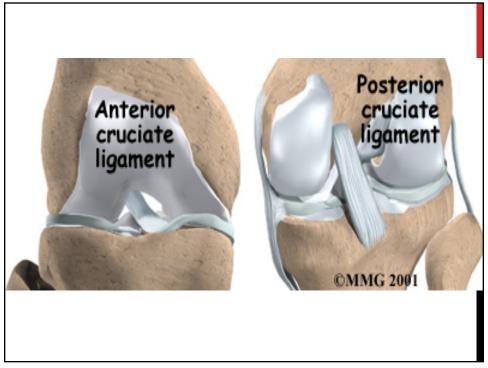


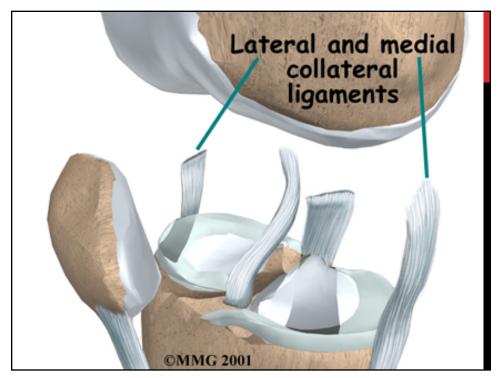


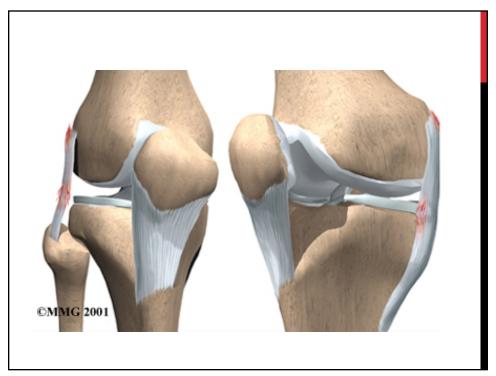
LIGAMENTS

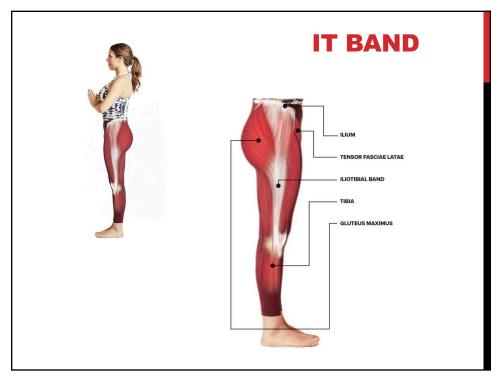
- Lateral and medial collateral, prevent movement from side to side
- Cruciate, anterior and posterior.
 Prevent movement from back to front

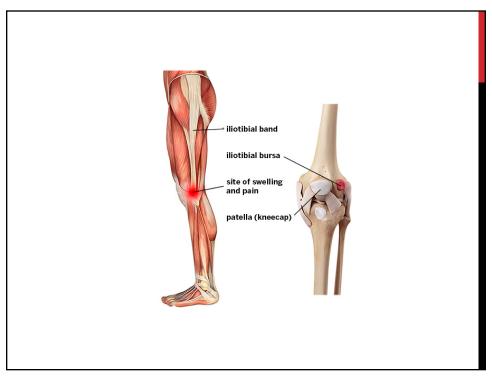


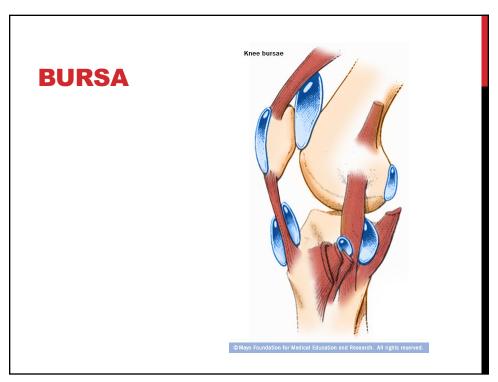


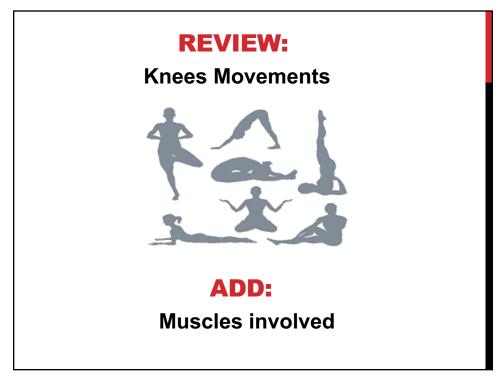


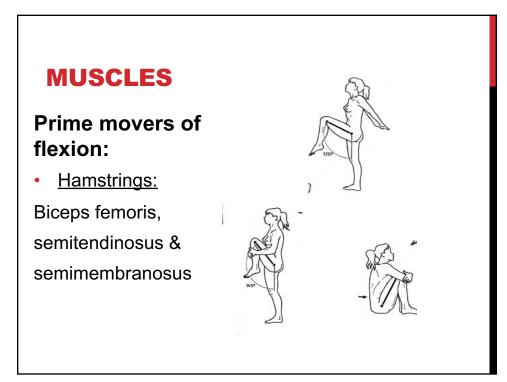


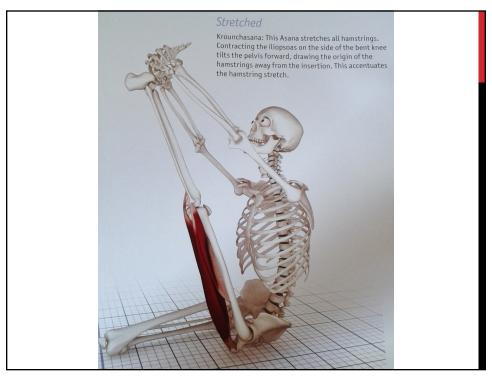


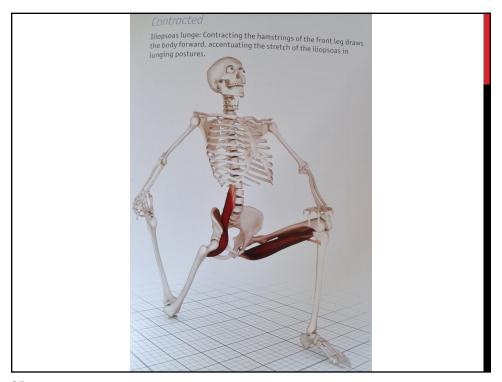










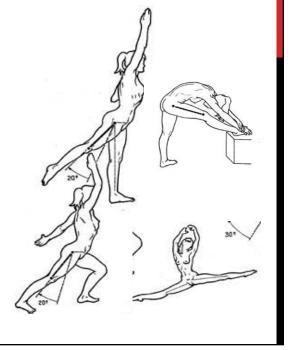


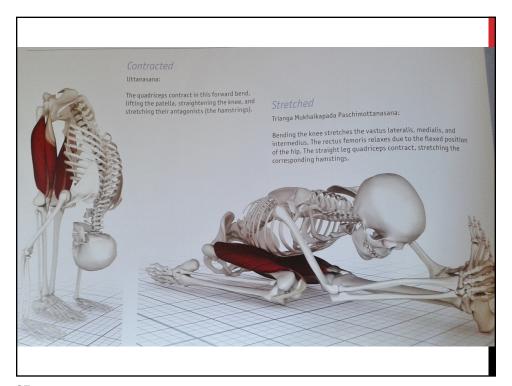
MUSCLES

Prime movers of extension:

Quadriceps:

Rectus femoris, vastus medialis, vastus lateralis, and vastus intermedius





MUSCLES

Prime movers of external rotation:

Biceps Femoris

Prime movers of internal rotation:

 Semitendinosus, Semimembranosus, gracilis, sartorius, & popliteus.

Rotation happens with the knee in flexion!

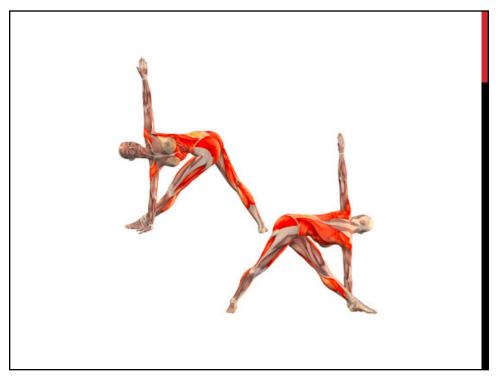
STABILITY

- Shape of the condyles and menisci in combination with passive supporting structures, the 4 major ligaments
- Posteromedial and posterolateral capsular components and the iliotibial tract.
- The muscles acting over the joint provide secondary dynamic stability.

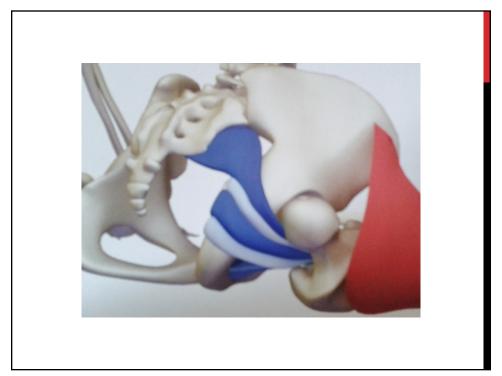
29

ALIGNMENT Bodies vary greatly! **Bowleggedness (Vargus)** **Knock Knees (Valgus)**







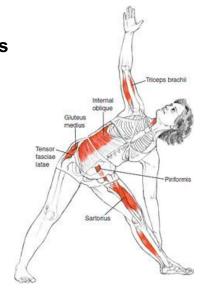


GUIDELINES FOR SAFE PRACTICE:

 Point your knees and toes in the same direction.

*exceptions

 Avoid hyperextending the knee. How?



35

GUIDELINES FOR SAFE PRACTICE:

- Keep your shin vertical when the hips are in line with or higher than the bent knee.
- · Balance your hamstrings and quadriceps.
- When you practice asana, if you feel any discomfort in your knee joint, back off immediately.



LOKAH SAMASTAH SUKHINO BHAVANTU



LETÍCIA PADMASRI , M.A., E-RYT 500,C-IAYT, YACEP WWW.PADMASRI.YOGA

PLEASE DO NOT DISTRIBUTE OR REPRODUCE.
THANK YOU.
OM SHANTI