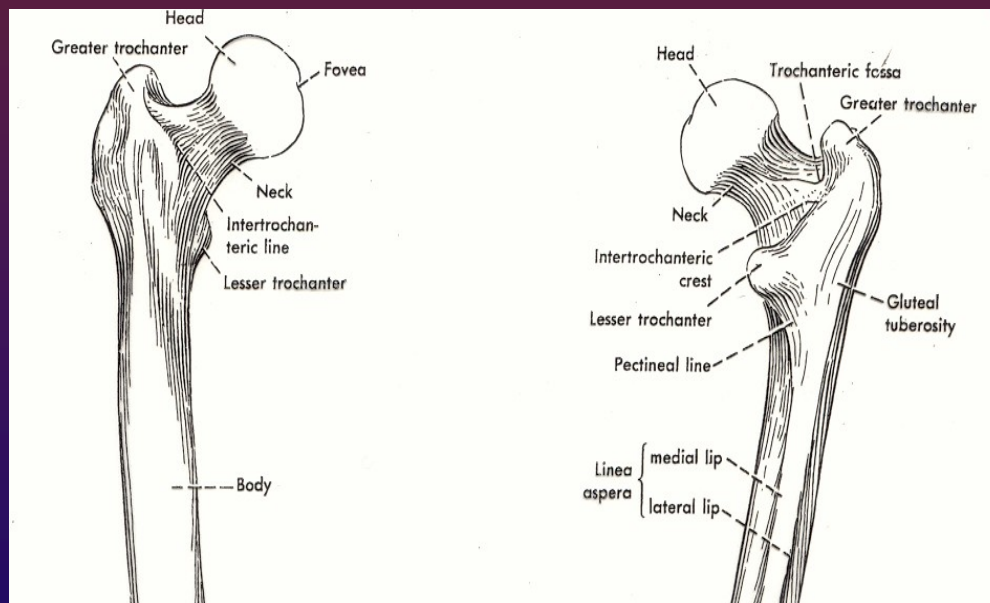


Hip Anatomy

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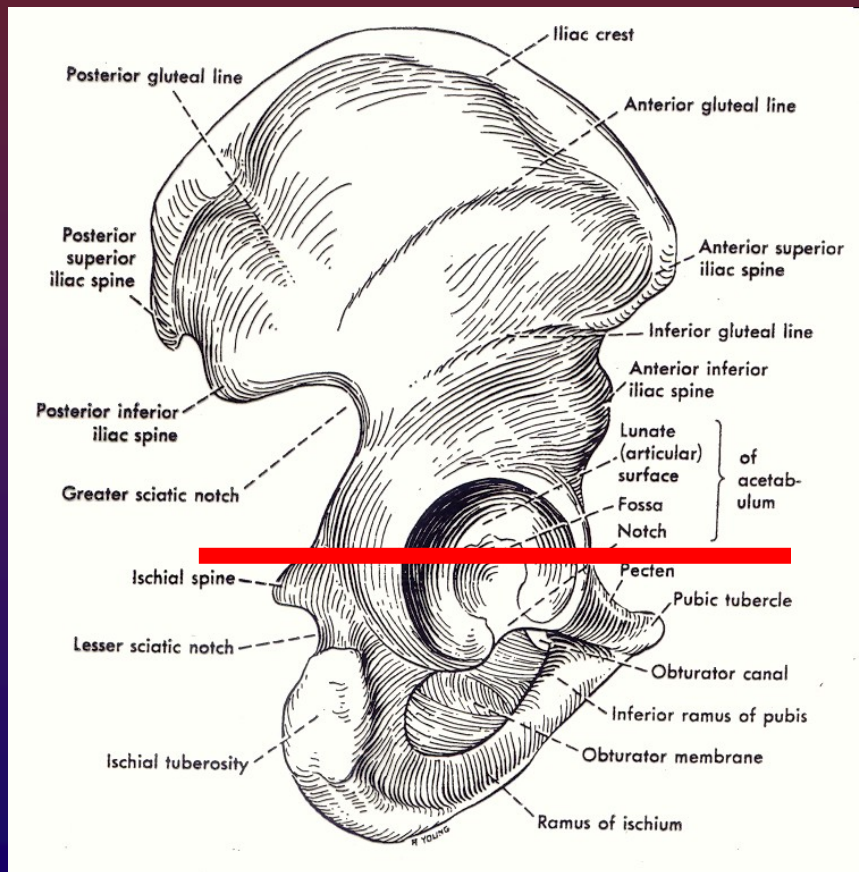
Bony Anatomy

❖ Femur



- ❖ Femoral Head
- ❖ Femoral Neck
- ❖ Greater Trochanter
- ❖ Lesser Trochanter
- ❖ Intertrochanteric Crest
- ❖ Intertrochanteric Line
- ❖ Gluteal Tuberosity

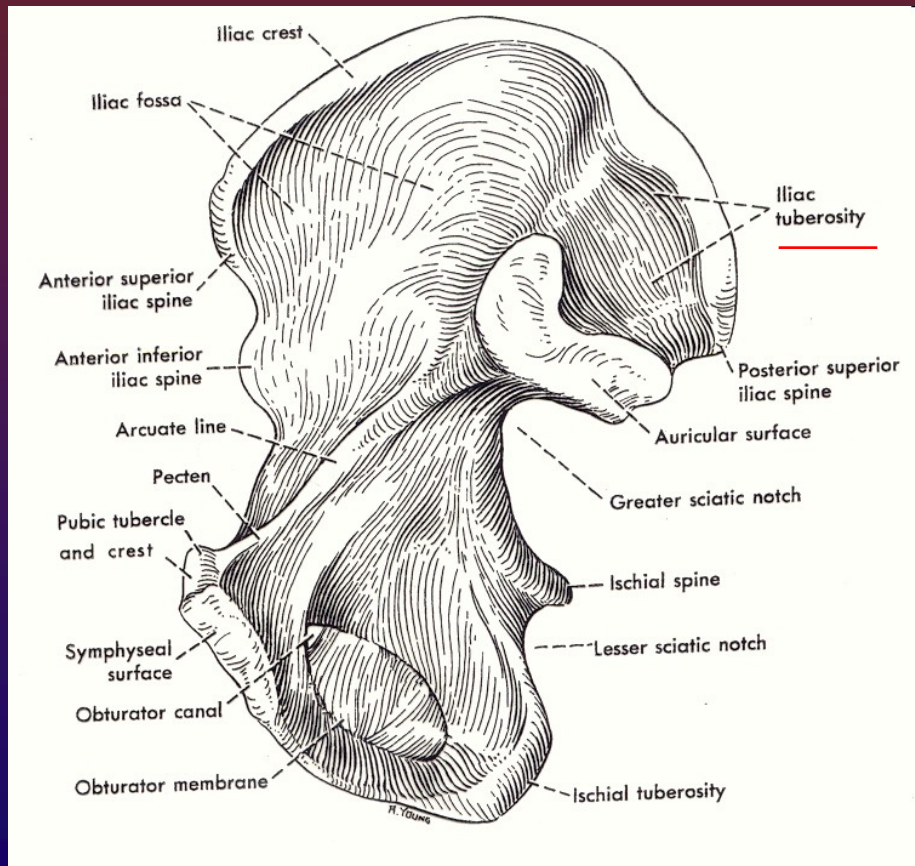
Bony Anatomy



Lateral View

- ❖ Pelvic Girdle
 - ❖ Acetabulum
 - ❖ 3 bones fused together
 - ❖ Ilium
 - ❖ Iliac fossa
 - ❖ Iliac Crest
 - ❖ ASIS
 - ❖ AIIS
 - ❖ PSIS
 - ❖ PIIS
 - ❖ Gluteal Lines
 - ❖ Greater Sciatic Notch

Bony Anatomy



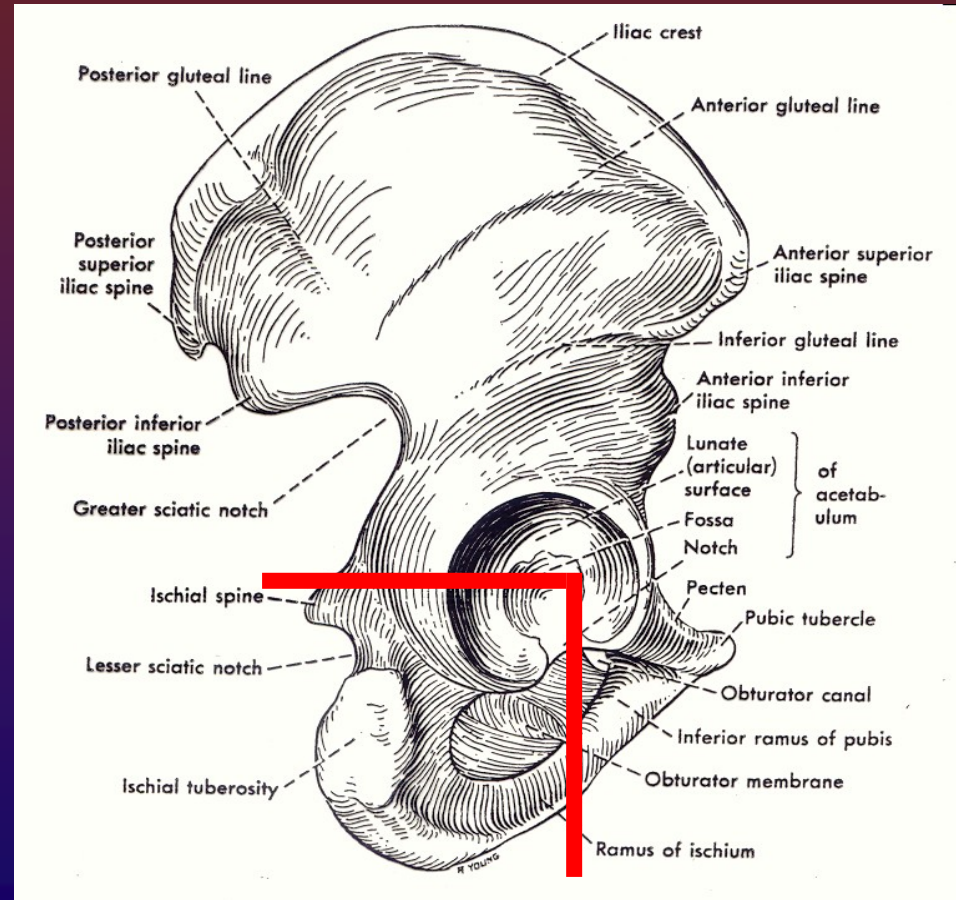
Medial View

❖ Ilium

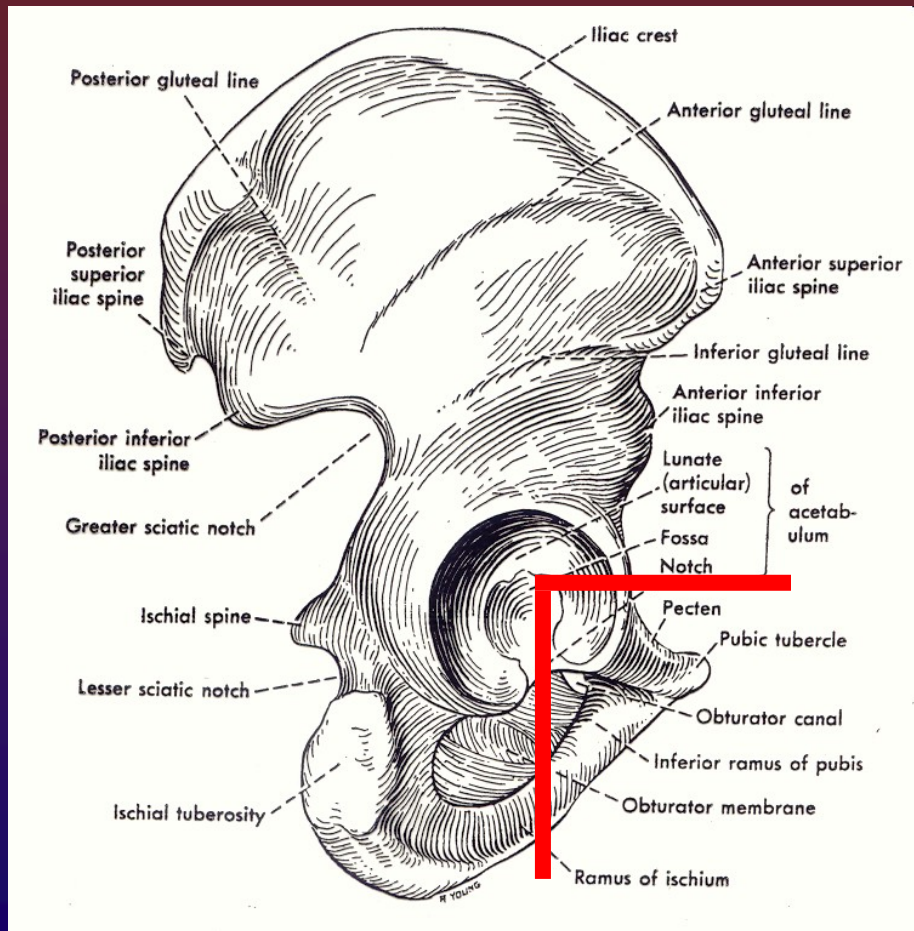
- ❖ Iliac fossa
- ❖ Iliac Crest
- ❖ Iliac Tuberosity
- ❖ ASIS
- ❖ AIIS
- ❖ PSIS
- ❖ PIIS
- ❖ Gluteal Lines

Bony Anatomy

- ❖ Ilium
- ❖ Ischium
 - ❖ Ramus of ishium
 - ❖ Ishial tuberosity
 - ❖ Ishial spine
 - ❖ Lessor Sciatic Notch



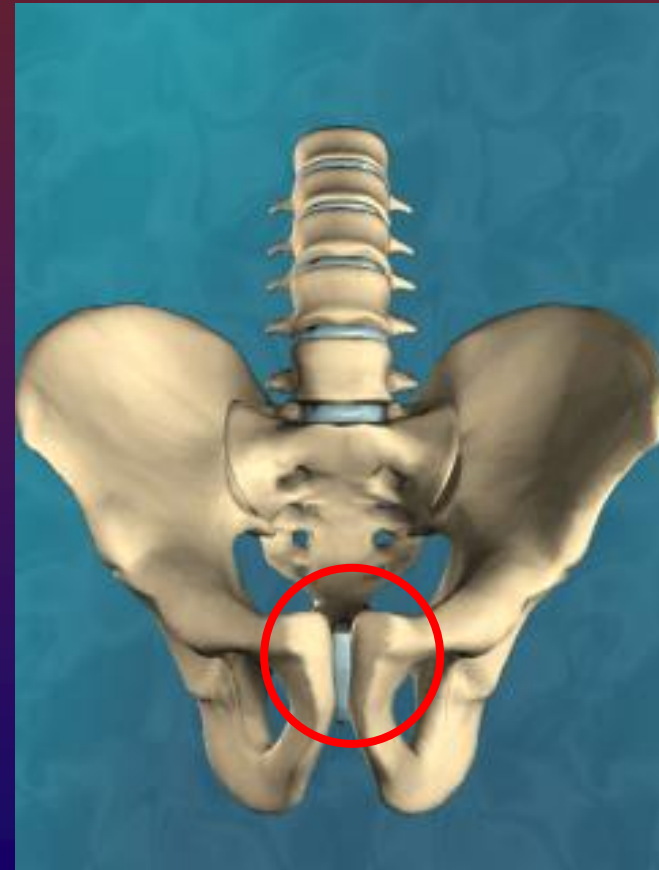
Bony Anatomy



- ❖ Ilium
- ❖ Ischium
- ❖ Pubis
 - ❖ Superior Ramus of Pubis
 - ❖ Inferior Ramus of Pubis
 - ❖ Pubic Crest
 - ❖ Pubic Tubercle
 - ❖ Pecten
 - ❖ Symphyseal Surface

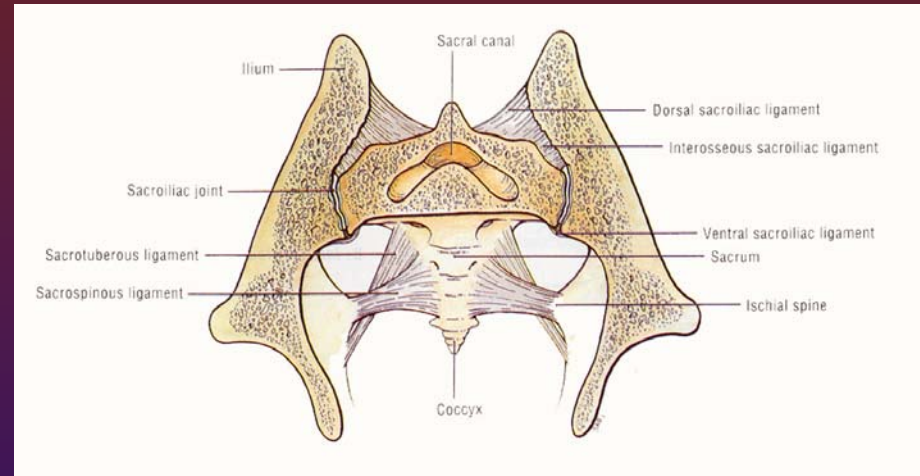
Articulations of the Hip and Pelvis

- ❖ Pubic Symphysis
 - ❖ Interpubic disk
 - ❖ Some movement



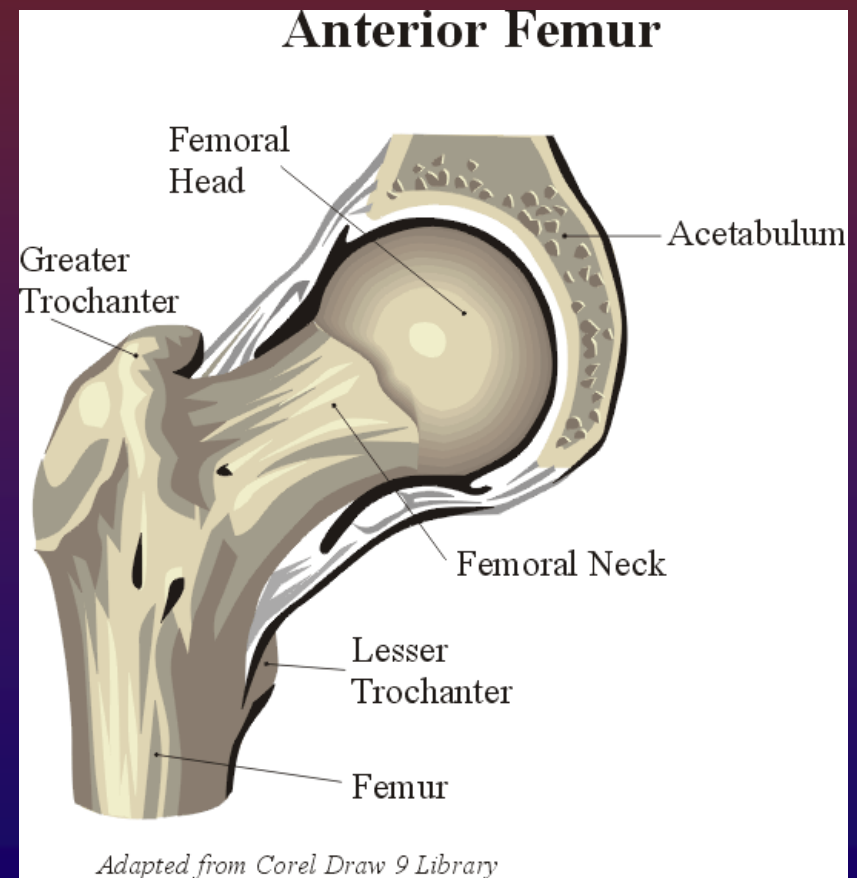
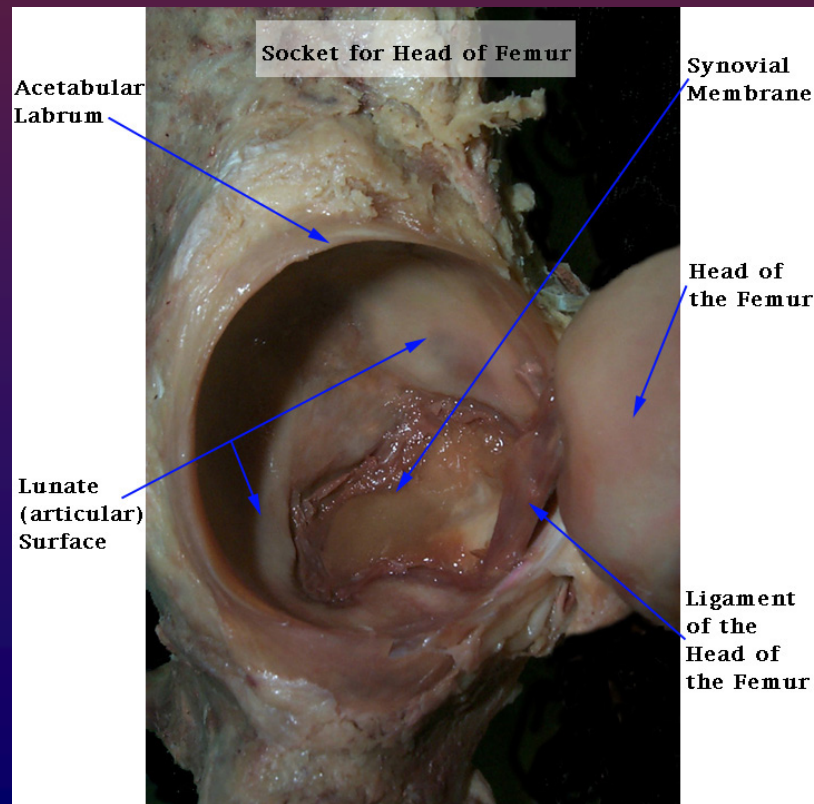
Articulations of the Hip and Pelvis

- ❖ Pubic Symphysis
- ❖ Sacroiliac Joints



Articulations of the Hip and Pelvis

- ❖ Pubic Symphysis
- ❖ Sacroiliac Joints
- ❖ Hip Joints



Ligamentous and Cartilagenous Structures for the Hip and Pelvic Girdle

❖ Sacroiliac Joint

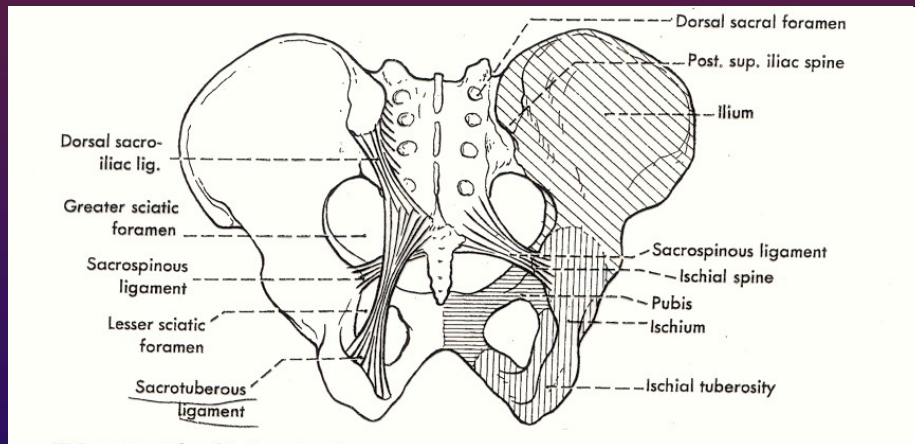
❖ Sacrotuberous

❖ Sacrospinous

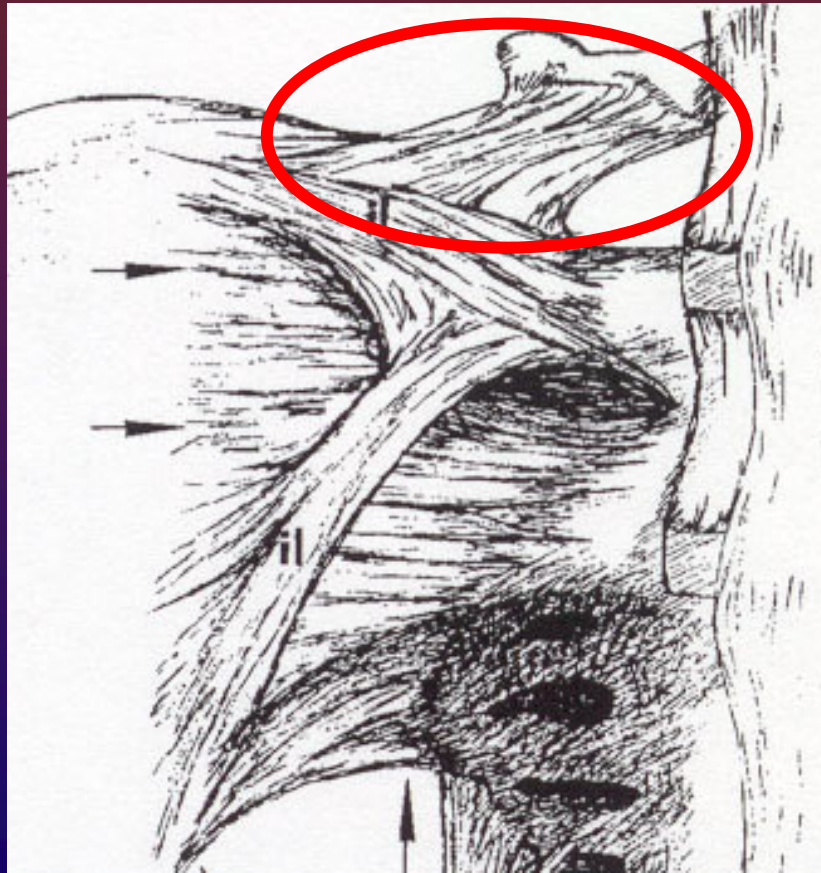
❖ Function of these two ligaments

❖ Iliolumbar

❖ Interosseous Sacroiliac



Ligamentous and Cartilagenous Structures for the Hip and Pelvic Girdle



- ❖ Sacroiliac Joint
 - ❖ Sacrotuberous
 - ❖ Sacrospinous
 - ❖ Function of these two ligaments
- ❖ Iliolumbar
- ❖ Interosseous Sacroiliac

Ligamentous and Cartilagenous Structures for the Hip and Pelvic Girdle

❖ Sacroiliac Joint

❖ Sacrotuberous

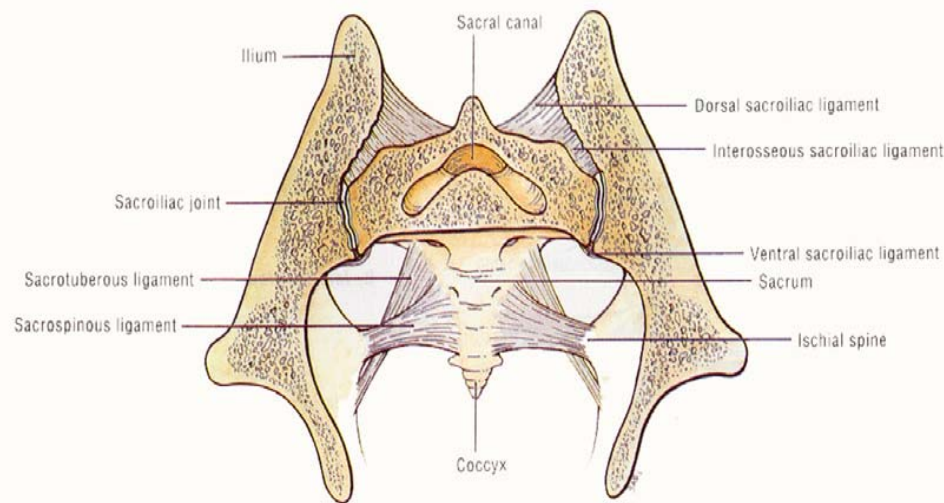
❖ Sacrospinous

❖ Function of these two ligaments

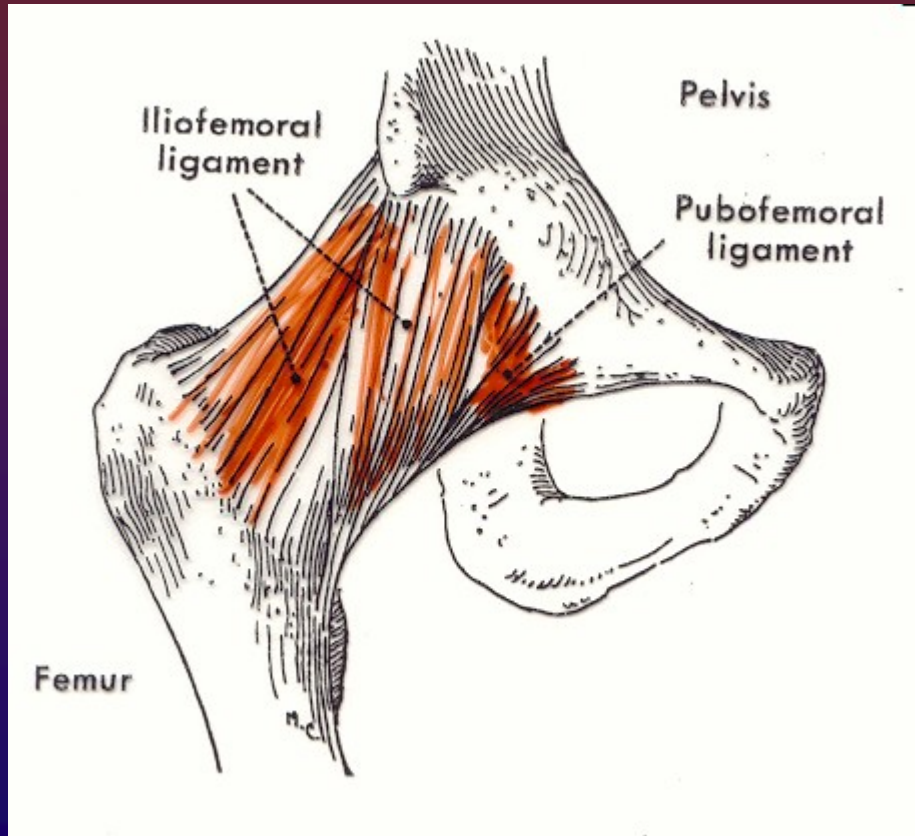
❖ Iliolumbar

❖ Interosseous Sacroiliac

❖ Dorsal Sacroiliac

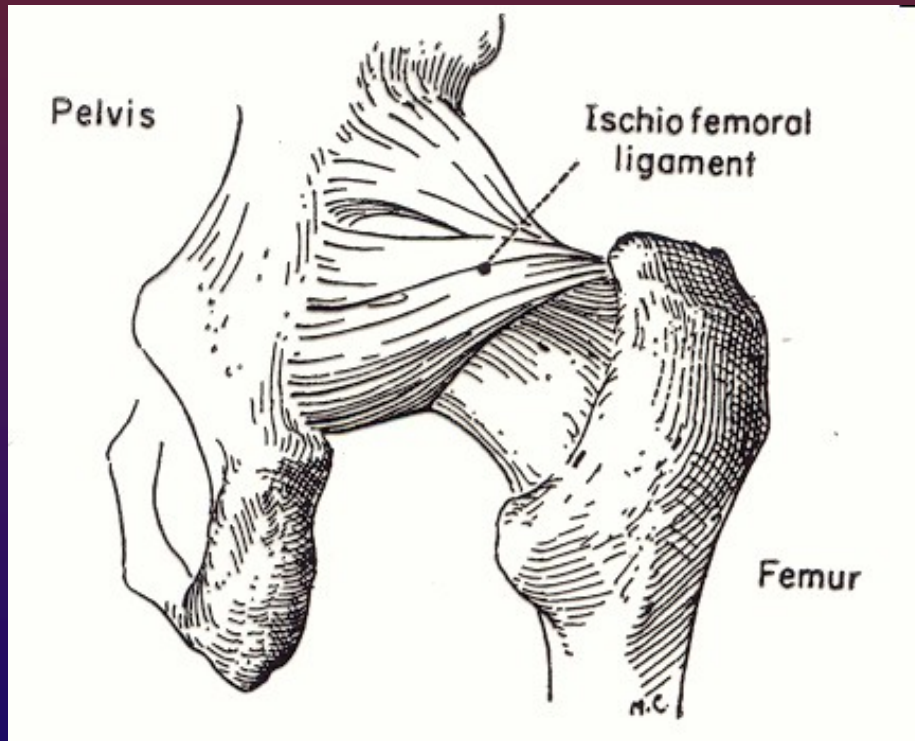


Ligamentous and Cartilagenous Structures for the Hip and Pelvic Girdle



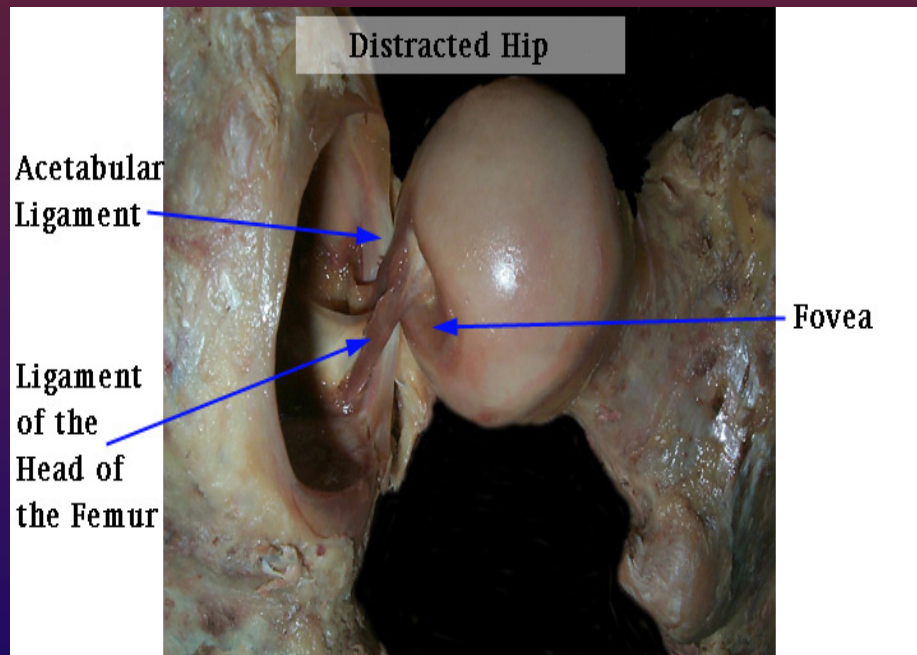
- ❖ Sacroiliac Joint
- ❖ Hip Joint
 - ❖ Capsule
 - ❖ Three thickenings of the capsule
 - ❖ Iliofemoral
 - ❖ Pubofemoral
 - ❖ Iliotibial
 - ❖ Ligamentum Teres
 - ❖ Inguinal

Ligamentous and Cartilagenous Structures for the Hip and Pelvic Girdle

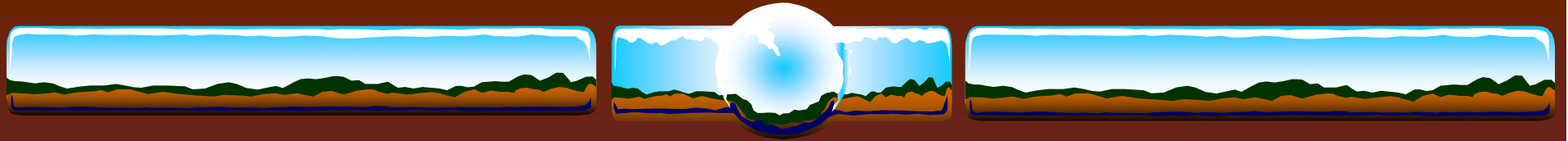


- ❖ Sacroiliac Joint
- ❖ Hip Joint
 - ❖ Capsule
 - ❖ Three thickenings of the capsule
 - ❖ Iliofemoral
 - ❖ Pubofemoral
 - ❖ Ishiofemoral
 - ❖ Ligamentum Teres
 - ❖ Inguinal

Ligamentous and Cartilagenous Structures for the Hip and Pelvic Girdle



- ❖ Sacroiliac Joint
- ❖ Hip Joint
 - ❖ Capsule
 - ❖ Three thickenings of the capsule
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 - ❖ Isthiofemoral
 - ❖ Ligamentum Teres
 - ❖ Inguinal



Ligamentous and Cartilagenous Structures for the Hip and Pelvic Girdle



- ❖ Sacroiliac Joint
- ❖ Hip Joint
 - ❖ Capsule
 - ❖ Three thickenings of the capsule
 - ❖ Iliofemoral
 - ❖ Pubofemoral
 - ❖ Ishiofemoral
 - ❖ Ligamentum Teres
 - ❖ Inguinal

Hip Muscles

❖ Anterior

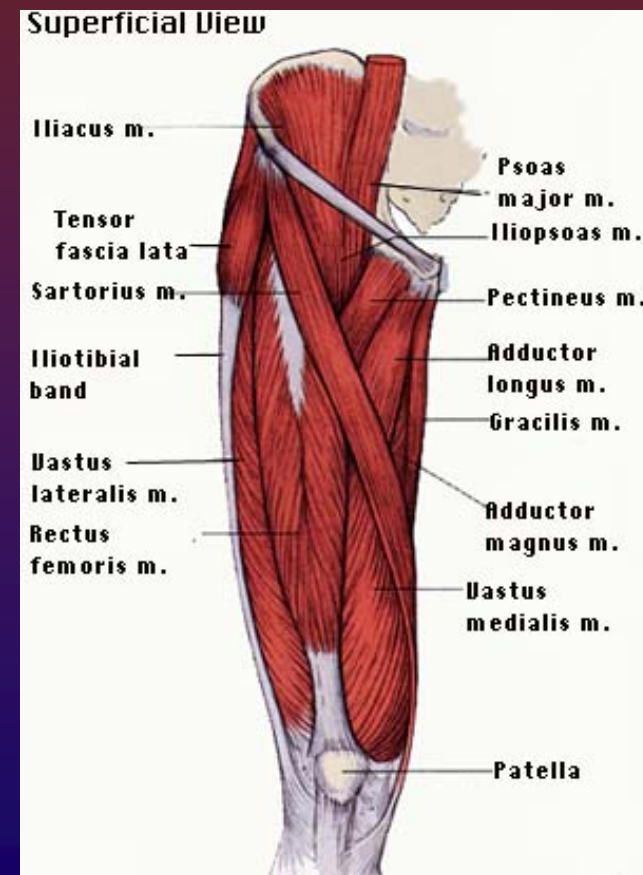
- ❖ Rectus Femoris

- ❖ Sartorius

- ❖ Iliopsoas Muscle Group

 - ❖ Iliacus

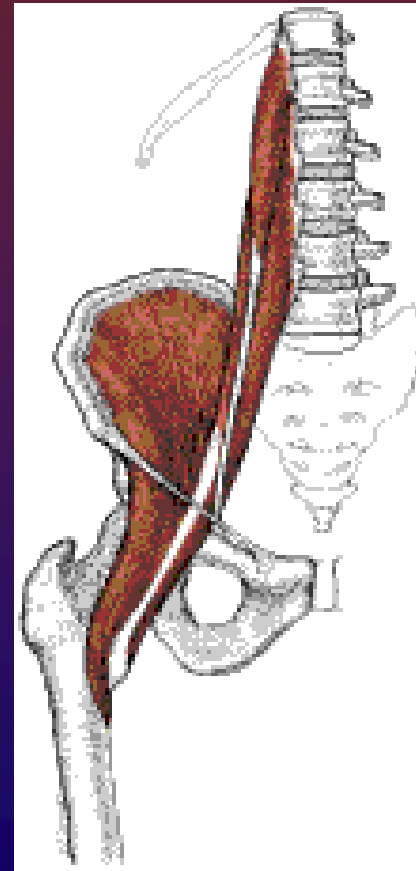
 - ❖ Psoas Major



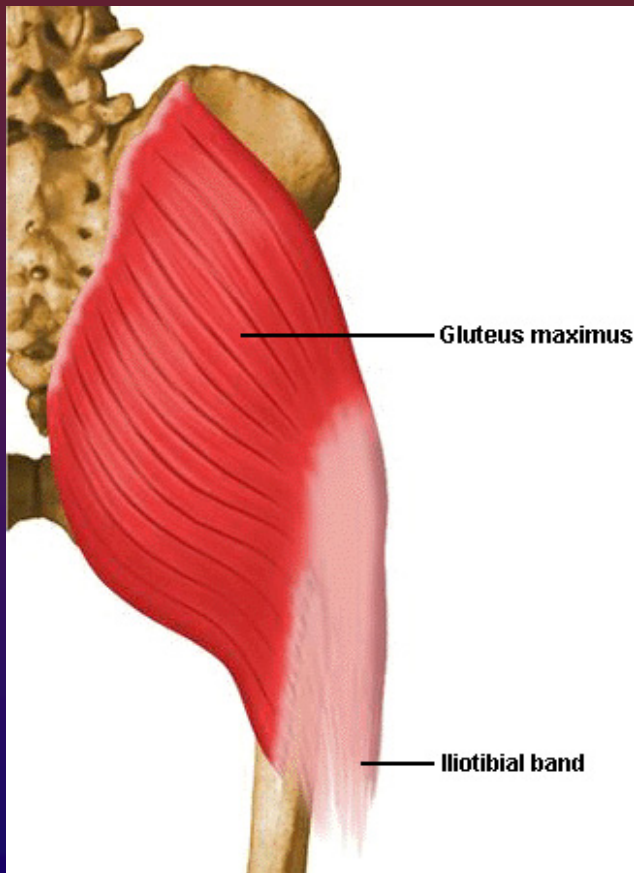
Hip Muscles

❖ Anterior

- ❖ Rectus Femoris
- ❖ Sartorius
- ❖ Iliopsoas Muscle Group
 - ❖ Iliacus
 - ❖ Psoas Major

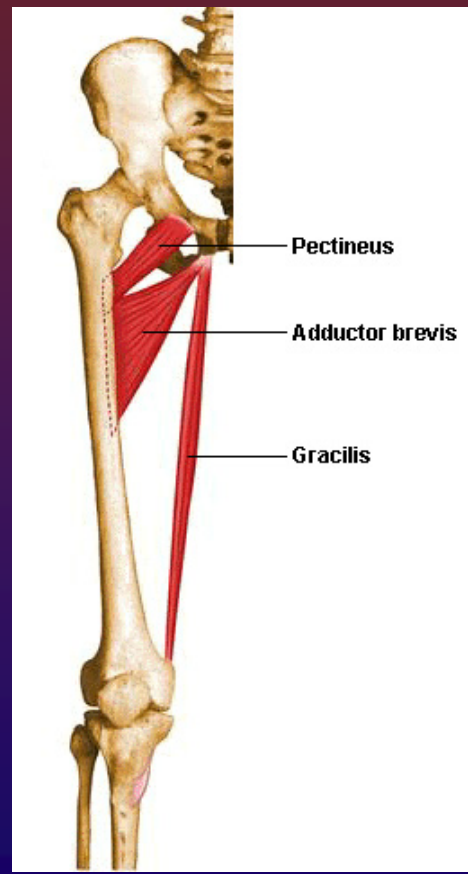
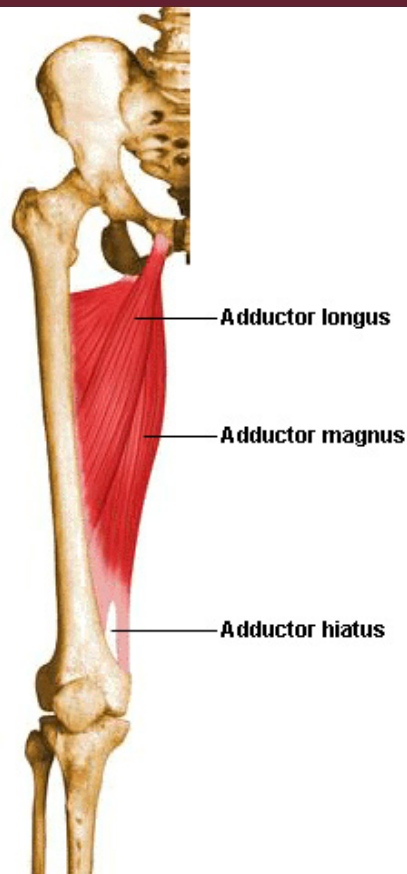


Hip Muscles



- ❖ Posterior
 - ❖ Semimembranosus
 - ❖ Semitendinosus
 - ❖ Biceps Femoris
 - ❖ Gluteus Maximus

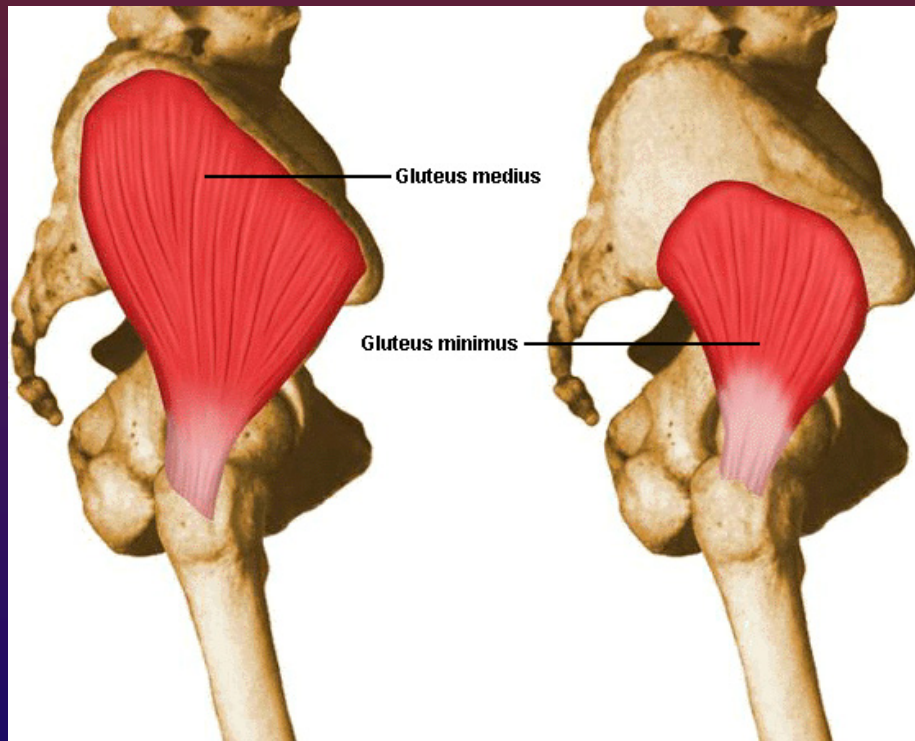
Hip Muscles



❖ Medial

- ❖ Adductor Brevis
- ❖ Adductor Longus
- ❖ Adductor Magnus
- ❖ Pectineus
- ❖ Gracilis

Hip Muscles



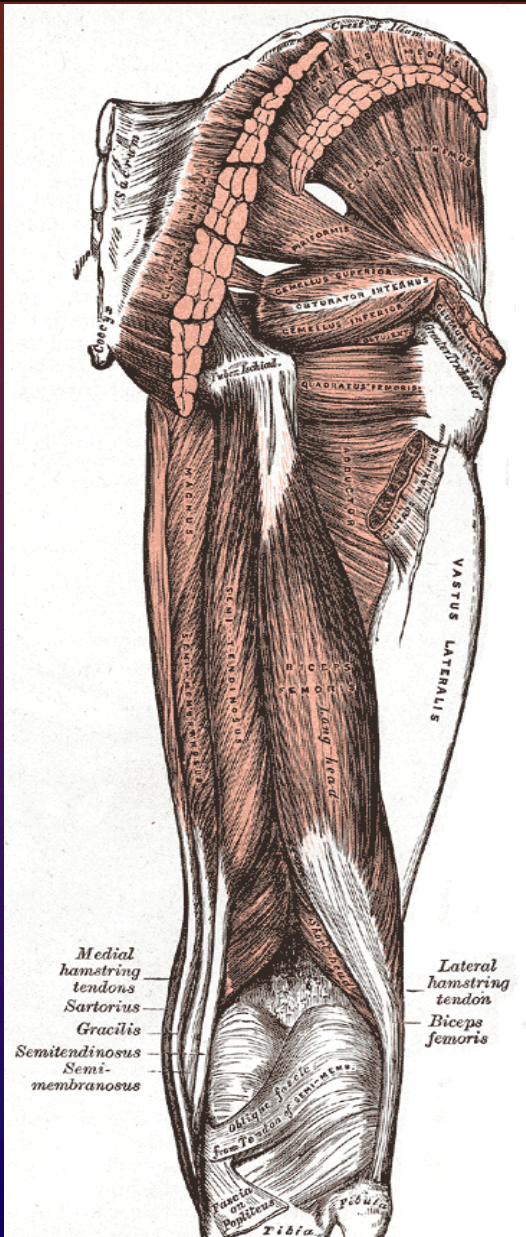
❖ Lateral

- ❖ Gluteus Medius
- ❖ Gluteus Minimus
- ❖ Tensor Fascia Lata
- ❖ Six Intrinsic External Rotators
 - ❖ Piriformis
 - ❖ Quadratus Femoris
 - ❖ Obturator Internus
 - ❖ Obturator Externus
 - ❖ Gemellus Superior
 - ❖ Gemellus Inferior

Hip Muscles

❖ Lateral

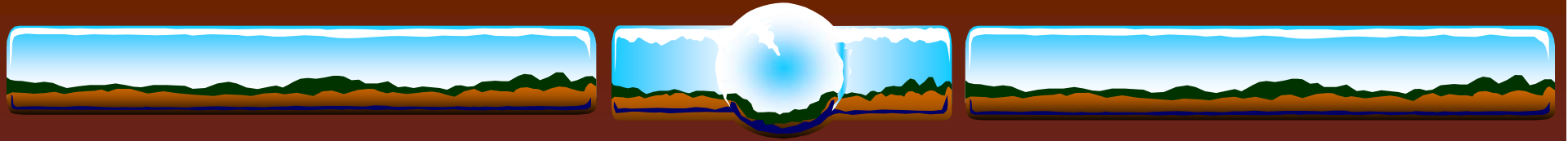
- ❖ Gluteus Medius
- ❖ Gluteus Minimus
- ❖ Tensor Fascia Lata
- ❖ Six Intrinsic External Rotators
 - ❖ Periformis
 - ❖ Quadratus Femoris
 - ❖ Obturator Internus
 - ❖ Obturator Externus
 - ❖ Gemellua Superior
 - ❖ Gemellus Inferior



Femoral Triangle

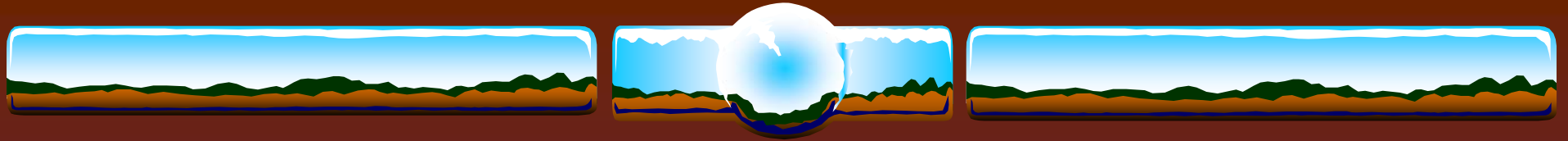
- ❖ Borders
 - ❖ Superior
 - ❖ Lateral
 - ❖ Medial
 - ❖ Posterior
 - ❖ Anterior
- ❖ Structures





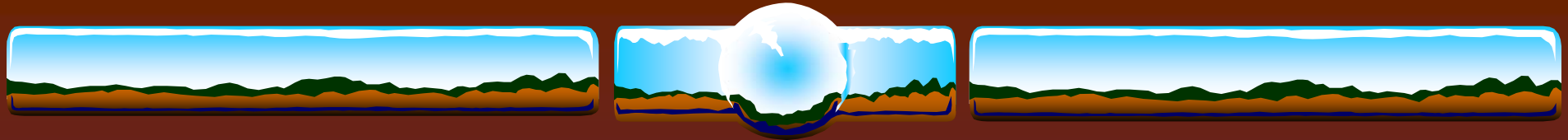
Movements of the Pelvis

- ❖ Forward and Backward Tilt
- ❖ Left and right Lateral Tilt
- ❖ Left and Right Rotation



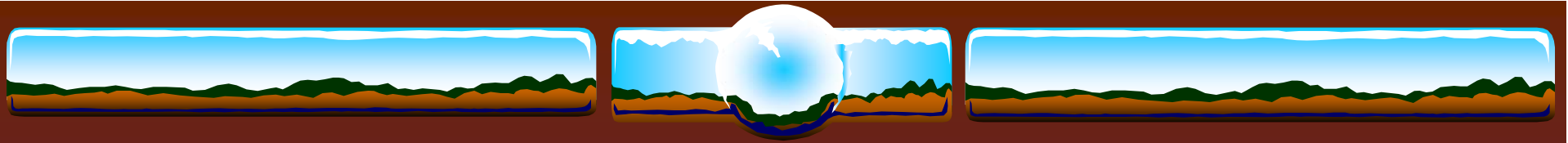
Primary Movements of the Pelvis as Performed in a Standing Position

Pelvis	Spinal Joints	Hip Joints
Forward Tilt	Hyperextension	Slight Flexion
Backward Tilt	Slight Flexion	Complete Ext.
Lateral Tilt Left	Slight Lateral Flexion RT	R = ADD L = ABD
Rotation Left	Rotation RT	R = Slight ER L = Slight IR



Movements of the Pelvis Secondary to those of the Spine

Spine	Pelvis
Flexion	Posterior Tilt
Hyperextension	Anterior Tilt
Lateral Flex Left	Lateral Tilt Left
Rotation Left	Rotation Left



Movements of Pelvis secondary to LE

- ❖ Moves with LE to supplement the LE ROM for 3 types of motion
 - ❖ Movements of the limbs acting in unison
 - ❖ Movements when LE is moving in opposite directions
 - ❖ Movements of one limb