

Zygote Human Anatomy Version 4.0 Upgrades

Upgrade 4.0: Muscular System

- * Improvement of the Superficial Muscles of the Back, Foot, Hand & Knee
- * New Deep Muscles of the Back
 - o Rectus capitis anterior, lateralis, posterior minor & major
 - o Rectus capitis lateralis
 - o Longus capitis & colli
 - o Obliquus capitis superior & inferior
 - o Rotatores cervicis, thoracis & lumborum (longus & brevis)
 - o Semispinalis thoracis, cervicis & capitis
 - o Longissimus thoracis, cervicis & capitis
 - o Iliocostalis cervicis, thoracis & lumborum
 - o Multifidus
 - o Serratus Posterior Inferior & Superior
- * New Deep Muscles of the Foot
 - o Flexor hallucis brevis
 - o Lumbricals
 - o Quadratus plantae
 - o Flexor digiti minimi brevis
 - o Adductor hallucis
 - o Plantar interosseous
 - o Dorsal interosseous
- * New Muscles of the Hand
 - o Palmaris brevis
 - o Lumbricals
- * New Muscle of Knee
 - o Plantaris
 - o Popliteus

Upgrade 4.0: Connective Tissue

- * General Improvement of the Connective Tissue of the Knee, Pelvis & Foot
- * New Connective Tissue of the Pelvis
 - o Obturator membrane
 - o Sacrotuberous ligament
 - o Sacrospinous ligament
 - o Anterior sacroiliac ligament
 - o Posterior sacroiliac ligament
 - o Anterior sacrococcygeal ligament
 - o Lateral sacrococcygeal ligaments
 - o Iliolumbar ligament
- * New Connective Tissue of the Knee
 - o Arcuate popliteal ligament
 - o Lateral patellar retinaculum
 - o Medial patellar retinaculum
 - o Posterior ligament of the head of fibula
 - o Interosseous membrane
 - o Oblique popliteal ligament
 - o Bursa beneath Semimembranosus tendon
 - o Bursa beneath iliotibial tract
 - o Bursa beneath fibular collateral ligament

- o Bursa beneath biceps femoris tendon
- o Bursa beneath lateral & medial heads of gastrocnemius
- o Anserine bursa
- o Subcutaneous prepatellar bursa
- o Deep infrapatellar bursa
- o Knee joint capsule
- * New Connective Tissue of the Foot
 - o Plantar aponeurosis
 - o Superior & Inferior extensor retinaculum
 - o Superior & Inferior peroneal retinacula
 - o Flexor retinaculum
 - o Plantar calcaneonavicular ligament
 - o Long plantar ligament
 - o Plantar calcaneocuboid ligament
- * Upgraded Nervous System
 - o New Dura Mater Sheathing the Spinal Cord
 - o New Ventral and Dorsal Nerve Roots
 - o New Spinal Ganglia
 - o New Thoracic Sympathetic Trunk and Ganglia
- * Upgraded Lymphatic System with Appropriate Ducting and Drainage