

Segmental distribution of myotomes in fetus of 6 weeks

Region of each trunk myotome also represents territory of dermatome into which motor and sensory fibers of segmental spinal nerve extend

Mesenchymal mass, representing 3 preotic myotomes of primitive vertebrates

Site of local mesenchyme, giving rise to all limb muscles except those of pectoral girdle

Ventral (hypaxial) column of hypomeres

Site of local mesenchyme, giving rise to all limb muscles except those of pelvic girdle

Coccygeal myotomes

Sacral myotomes

Lumbar myotomes

Membranous (otic) labyrinth of inner ear

Occipital (postotic) myotomes

Cervical myotomes

Dorsal (epaxial) column of epimeres

Thoracic myotomes

Developing skeletal muscles at 8 weeks (superficial dissection)

Orbicularis oculi
Zygomatic
Orbicularis oris
Brachioradialis
Extensor carpi radialis longus
Extensor digitorum
Extensor carpi ulnaris
Flexor carpi ulnaris
Rectus abdominis
Tendinous intersection
Tibialis anterior
Extensor hallucis longus
Extensor digitorum longus
Peroneus longus

Temporalis
Masseter
Deltoid
Brachialis
Triceps brachii
Teres minor
Teres major
Trapezius
Serratus anterior
Latissimus dorsi
Rib
External abdominal oblique
Thoracolumbar fascia covering erector spinae
Developing vertebral neural arches
Quadriceps femoris
Tensor fasciae latae
Spinal medulla (cord)
Gluteus medius
Gluteus maximus

Fibula
Biceps femoris
Femur

F. Netter M.D.