



















Department of Wellness






Anatomy models required for Bachelor of Physiotherapy


Item Name	Description	Specification	Picture
<p>Musculature model (Angiology and neurology incorporated models will be a better option)</p>	<p>Full human muscle model (life size)</p>	<ul style="list-style-type: none"> <li>• Human life size / or half size</li> <li>• Detachable arms, legs and abdominal wall</li> <li>• 5 arm / Shoulder muscles</li> <li>• 8 leg / hip muscles</li> </ul>	
	<p>Full Upper limb, layer by layer models</p>	<ul style="list-style-type: none"> <li>• Human life size</li> <li>• Complete superficial muscle and deep muscles</li> <li>• separates into 20 parts or more (detachable muscles)</li> <li>• The main segments can be disassembled (shoulder, arm, elbow, forearm, wrist, hand)</li> <li>• Shows the correct networks of blood vessels and nerves</li> </ul>	

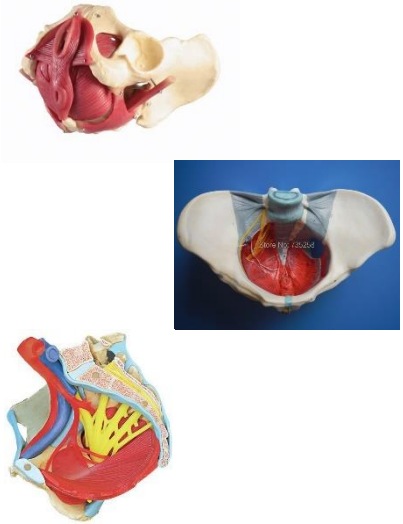
	<p>Upper limb by segments (shoulder, arm, forearm and hand)</p>	<ul style="list-style-type: none"> <li>• <b>Shoulder:</b> consists of upper half of the humerus, clavicle and scapula / Detachable muscles &amp; movable joints</li> <li>• <b>Cubital fossa model</b> <ul style="list-style-type: none"> <li>○ Displays a superficial dissection of the right distal arm and proximal forearm.</li> <li>○ The skin and superficial fascia has been removed anteriorly, medially and laterally to expose the superficial veins (basilic, cephalic, and median cubital) and cutaneous (medial, lateral and posterior antebrachial) nerves.</li> <li>○ Arm cross section of muscles visible with neurovascular components</li> <li>○ Forearm cross section of muscles visible with neurovascular components</li> </ul> </li> <li>• <b>Hand:</b> Shows muscles and tendons / Detachable layers</li> </ul>	  
	<p>Full Lower limb, layer by layer models</p>	<ul style="list-style-type: none"> <li>• Human life size</li> <li>• Complete Superficial muscle and deep muscles</li> <li>• Separates into 20 parts or more (detachable muscles)</li> <li>• The main segments can be disassembled (Hip, Thigh, Knee, leg, ankle, foot)</li> <li>• Shows the correct networks of blood vessels and nerves</li> </ul>	

	<p>Lower limb by segments (hip, thigh, leg and foot)</p>	<ul style="list-style-type: none"> <li>• <b>Hip:</b> Removable muscles/ visible muscle insertion</li> <li>• <b>Popliteal fossa model:</b> <ul style="list-style-type: none"> <li>○ Sciatic nerve and great saphenous vein are also visible.</li> <li>○ The skin, superficial fascia, and deep fascia have been removed over the popliteal fossa to expose the contents of the space</li> <li>○ Thigh cross section of thigh muscles visible</li> <li>○ Leg, below knee muscles cross section visible</li> </ul> </li> <li>• <b>Foot:</b> muscles, tendons, ligaments, nerves, arteries, and veins visible /Removable layers / Shows internal bones, muscles, ligaments and nerves</li> </ul>	
	<p>Axial musculature, trunk and back muscles</p>	<p>Trunk</p> <ul style="list-style-type: none"> <li>• Removable muscles and organs</li> <li>• Open back view</li> <li>• Twelfth section of the thoracic spinal cord included</li> <li>• Shows muscular system with the deep-set muscles</li> </ul> <p>Head and back</p> <ul style="list-style-type: none"> <li>• Removable muscles to show the carotid trigone</li> <li>• Can be separated medially into two halves</li> <li>• Shows arteries and nerves</li> </ul>	
<p>Arthrology models</p>	<p>Separate joints of the human body (with mobility) and visible ligaments attached.</p> <ol style="list-style-type: none"> <li>1. Shoulder joint with ligaments</li> </ol>	<ul style="list-style-type: none"> <li>• Movable joint (abductions, anteversion, retroversion, internal and external rotation)</li> <li>• Shows cartilage</li> </ul>	

	2. Elbow joint with ligaments	<ul style="list-style-type: none"> <li>• Detachable ligament system</li> <li>• Demonstrate all the natural movements of the elbow</li> </ul>	
	3. Wrist joint with ligaments	<ul style="list-style-type: none"> <li>• Fully flexible (shows Lifelike movements)</li> </ul>	
	4. Hip joint with ligaments	<ul style="list-style-type: none"> <li>• Fully flexible (shows Lifelike movements)</li> <li>• Shows all the ligaments of hip joint</li> </ul>	
	5. Knee joint with ligaments	<ul style="list-style-type: none"> <li>• Fully flexible (shows Lifelike movements)</li> <li>• Shows all the ligaments</li> </ul>	
	6. Ankle joint with ligaments	<ul style="list-style-type: none"> <li>• Shows all major and minor ligaments</li> <li>• Flexible (shows Lifelike movements)</li> <li>• Minor ligament model should show all fibers (pic 2)</li> </ul>	
	7. Pelvic ligaments	<ul style="list-style-type: none"> <li>• Life size female pelvis model</li> <li>• showing the 5th lumbar vertebra and pelvic ligaments with fiber orientations visible</li> </ul>	
Neurology of body segments	1. Cranial nerves	<ul style="list-style-type: none"> <li>• Cyto-architectural areas are indicated on the brain</li> <li>• Cranial nerves and the arterial vessels are also shown</li> <li>• Separates into 8 parts: <ul style="list-style-type: none"> <li>○ Frontal and parietal lobes (2)</li> <li>○ Temporal and occipital lobes (2)</li> <li>○ Medulla (2)</li> <li>○ Cerebellum</li> </ul> </li> <li>• Brain is removable to show 12 cranial nerves and the arterial vessels in skull and neck area</li> </ul>	  

	<p>2.Cervical plexus</p>	<ul style="list-style-type: none"> <li>• Shows the brain stem, the spinal cord and the nerve branches up to the coccygeal plexus</li> <li>• Connections to the central nervous system displayed</li> </ul>	
	<p>3.Brachial plexus</p>	<ul style="list-style-type: none"> <li>• Shows musculocutaneous, median, ulnar, axillary, and radial nerves</li> <li>• Formation and course visible</li> </ul>	
	<p>4.Spinal nerves</p>	<ul style="list-style-type: none"> <li>• Allows realistic demonstration and portrayal of natural human movement.</li> </ul>	
	<p>5.Lumbar and sacral plexus</p>	<ul style="list-style-type: none"> <li>• Human spine, with pelvic muscle, disc herniation, spinal nerve and upper femur</li> </ul>	
<p>Internal organs and trunk</p>		<ul style="list-style-type: none"> <li>• Easy observation for the opened body and back, removable thorax and abdomen</li> <li>• All the internal organs can be pulled out</li> <li>• Thoracic musculature visible</li> <li>• Abdominopelvic deep muscles visible with nerves and arteries</li> </ul>	

<p>Different head models</p>	<p>1. Head in different views</p> <p>2. Skull with demonstration components</p>	<p>Median and Frontal Section of The Human Head Anatomy Model</p> <ul style="list-style-type: none"> <li>• Head on baseboard</li> <li>• Include cross sections of the brain, spinal cord, and sinuses of the human head</li> </ul> <p>Axis Scientific Half Head with Muscles, Nerves and Vasculature</p> <ul style="list-style-type: none"> <li>• Half head model</li> <li>• Numbered anatomical features and paired with a full color product manual</li> <li>• Lateral musculature visible with muscles of facial expressions</li> </ul> <p>Demonstration Skull</p> <ul style="list-style-type: none"> <li>• Life size</li> <li>• Horizontal section of the skull exposes the cranial cavity in which the course of the meningeal vessels, the venous sinuses and the internal carotid artery are indicated in color</li> <li>• A sagittal section exposes the structure of the nasal cavity including frontal and sphenoidal sinuses.</li> <li>• Frontal sinus is further dissected on one side by a bony section, on the other side it is resected in its outline</li> <li>• Temporal bone is removable and sectioned into two parts presenting internal ear anatomy in full view.</li> <li>• Mandible and the maxillae are opened on one side presenting the roots of teeth with dental vessels and nerves presented artificially in color</li> <li>• maxillae can be opened by a bony window</li> </ul>	 <p>The image displays four anatomical models. At the top is a 'Median and Frontal Section of The Human Head Anatomy Model' showing internal structures like the brain, spinal cord, and sinuses. Below it is an 'Axis Scientific Half Head with Muscles, Nerves and Vasculature' model showing the lateral musculature of the face. The third model is a 'Demonstration Skull' with a horizontal section exposing the cranial cavity. The fourth model is another 'Demonstration Skull' with a sagittal section exposing the nasal cavity and sinuses.</p>
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<p>Pelvic floor muscles</p>		<p>Musculature model</p> <ul style="list-style-type: none"> <li>• Female pelvis</li> <li>• Detachable pelvic floor muscles (12 part)</li> </ul> <p>Neurovascular model</p> <ul style="list-style-type: none"> <li>• pelvis and its ligaments</li> <li>• nerves</li> <li>• perineum</li> </ul> <p>Female Pelvis half</p> <ul style="list-style-type: none"> <li>• ligaments</li> <li>• vessels</li> <li>• nerves</li> <li>• pelvic floor muscles</li> <li>• female genital organs</li> </ul>	 <p>The image contains three anatomical models of the female pelvis. The top model shows a 3D view of the female pelvis with the pelvic floor muscles highlighted in red. The middle model is a 3D view of the female pelvis with the pelvic floor muscles highlighted in red, set against a blue background. The bottom model is a 3D view of the female pelvis with the pelvic floor muscles highlighted in red, showing internal structures like the uterus and ovaries.</p>
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