

INTERACTIVE FUNCTIONAL ANATOMY DVD-ROM – 2009 RELEASE



Interactive Functional Anatomy – A dynamic resource of 3D anatomy with an extensive series of 3D muscle function animations that gives a new perspective on functional anatomy.

The main focus of the content is normal muscle function. At the core is a collection of interactive 3D animations that you can move and manipulate with your mouse. The animated 3D models can be rotated and moved to show the function of agonist and antagonist muscles during common movements such as raising arms, bending, flexion of spine and neck etc.

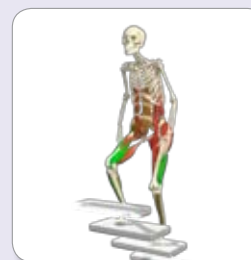
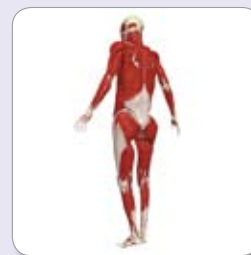
It features an interactive 3D skeleton with bones, ligaments, muscles and vessels. Select from a menu of views that allow you to focus on a particular region such as upper body, add and remove anatomy from the model and rotate to view and label all visible structures.

This is great for learning anatomy of bones and muscles and their role in normal muscle function and common gross motor movements.

View relevant anatomy in a new perspective through interactive and 3D modeling – interactive functions allow you to rotate the 3D models through 360 degrees and add or remove layers of anatomy to view and label any feature with ease.

Quick and easy access to accurate anatomy, and functional anatomy – clicking on any visible structure will bring up relating text and links to muscle function animations.

Transform your presentations and lectures. Use easy edit functions to export any image or animation for your own use.



3D ANATOMY:

Choose from over 30 3D anatomy views – all main views allow you to rotate and add or remove layers of anatomy from the models.

Full body

- Full body
- Head and neck
- Upper body
- Trunk and arm
- Lower body

Upper limb

- Upper limb
- Arm
- Forearm and hand
- Hand

Lower limb

- Lower limb
- Thigh
- Leg and foot
- Foot

Pelvic Floor

- Pelvic floor female
- Pelvic floor male

Arteries and nerves

Full body

- Full body
- Head and neck
- Upper body
- Trunk and arm
- Lower body

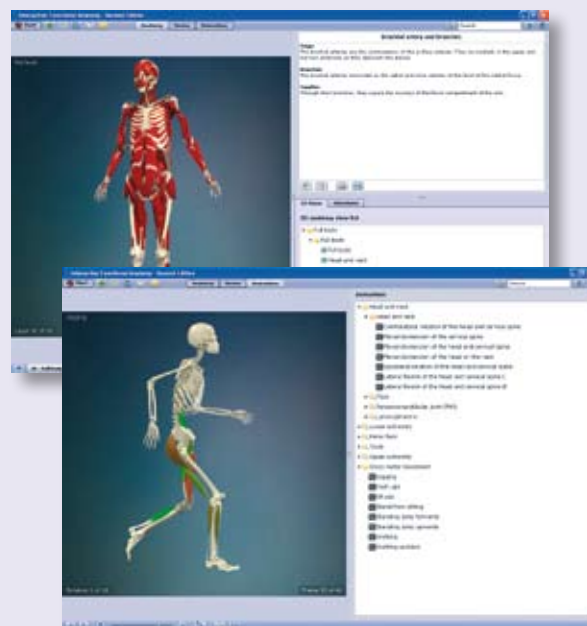
Upper body

- Upper limb
- Arm
- Forearm and hand
- Hand

Lower limb

- Lower limb
- Thigh
- Leg and foot
- Foot

All 3D models are interactive and fully labeled with detailed explanatory anatomy text and links to all relating content within the software.



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MUSCLE FUNCTION CONTENT:

Live action movies

Push ups
Sit ups
Stand from sitting
Walking

Surface anatomy movies

Head and neck – 3
Trunk - 10
Upper extremity - 18
Lower extremity - 46

ANIMATIONS

Animations can be played, rotated and all visible structures can be labeled. Colour changes indicate agonist and antagonist muscle function during the movement shown.

Gross motor movement animations

Jogging - 6
Push ups - 6
Sit ups - 6
Stand from sitting - 6
Stand jump forwards – 6
Walking - 6
Walking upstairs - 6

Head and neck

Contralateral rotation of the head and cervical spine – 6

Elevation and depression of the TMJ – 5
Elevation and depression of the TMJ II – 5
Elevation and depression of the corners of the mouth – 5
Elevation and depression of the eyebrows – 5
Elevation and depression of the hyoid bone – 5
Elevation and depression of the cervical spine – 6
Flexion and extension of the cervical spine – 6
Flexion and extension of the head and cervical spine – 6
Flexion and extension of the head on the neck – 6
Ipsilateral rotation of the head and cervical spine – 6
Lateral flexion of the head and cervical spine I – 6
Lateral flexion of the head and cervical spine II – 6
Lateral movement of the TMJ – 5
Opening and closure of the lips – 5
Protrusion and retraction of the TMJ – 5
Protrusion of the lips – 5
Pursing of the lips – 5
Retraction of the angles of the mouth – 5

Lower extremity

Abduction and adduction of the MTP joints – 6
Abduction and adduction of the hip – 2
External and internal rotation of the hip – 2
External and internal rotation of the knee – 6
Flexion and extension of the IP joints of the foot – 6
Flexion and extension of the MTP joints I – 6
Flexion and extension of the MTP joints II – 6
Flexion and extension of the hip – 2
Flexion and extension of the knee – 2
Inversion and eversion of the subtalar joint – 6
Plantarflexion and dorsiflexion of the ankle I – 6
Plantarflexion and dorsiflexion of the ankle II – 6

Pelvic Floor

Contraction of the pelvic floor – 4

Trunk

Flexion and extension of the trunk - 6
Lateral flexion of the trunk – 8
Respiration – 2
Rotation of the trunk – 8

Upper extremity

Abduction and adduction of the MCP joints – 2
Abduction and adduction of the shoulder – 6
Elevation and depression of the scapula – 6
External and internal rotation of the shoulder – 6
Flexion and extension of the MCP and IP joints – 8
Flexion and extension of the MCP and IP joints of hand IV – 6
Flexion and extension of the elbow – 6
Flexion and extension of the shoulder – 2
Flexion and extension of the wrist – 2
MP extension (hyperextension), slight extension at the IP – 6
MP flexion, IP and DIP extension – 6
Opposition – 6
Palmar abduction and adduction of the trapeziometacarpal joint – 6
Pronation and supination of the forearm – 6
Protraction and retraction of the scapula – 6
Radial and ulnar deviation of the wrist – 6
Upward and downward rotation of the scapula - 6

Animations can also be exported from the software as short movie files

WHAT'S NEW IN THE 2009 VERSION?

There is a new interface on all our new re-released titles, which is more intuitive and user-friendly. The new interface also allows you to make the view much larger, which was not possible in previous versions. Animations can now be labeled.

The content is almost identical; the only difference is that the 2009 version no longer contains the patient education or quiz sections.



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Technical Specification:

PC: Windows 98 and above including Vista. Mac: OS X and above including Leopard.

If you have any further queries regarding the content of this DVD-ROM,
please contact us emma@primalpictures.com