What is this title about?

3D Anatomy for Chiropractic Spine is a revised and greatly enhanced title based on a previous title published in 2001 Interactive Spine Chiropractic Edition. The content has been completely revised in response to feedback and changes in clinical practice. This title allows practitioners or students to interact with 3D anatomical structures - exploring the inter-relationship of these structures on screen – together with access to a comprehensive clinical section.

What does this title have?

3D Anatomy for Chiropractic Spine consists of 6 sections; Anatomy, Slides, MRI, Movies, Animations and Clinical.

The Anatomy section displays the 3D models covering the entire spine, spinal cord and nerve systems and associated image controls, together with two kinds of text articles.

This software will provide practitioners, and students, with an intuitive digital resource that includes comprehensive anatomical, and correlating functional and clinical information.

The 3D models include all individual anatomical features of the entire vertebral column. Choose views of the entire spine or focus on the cervical spine, thoracic spine, lumbar spine, sacral spine, spinal cord or surface features and bone regions.

You can add and remove over 20 layers from skin to bone and rotate and zoom the 3D model at any stage correlate views of the model with multi-planar MRI and label parts and all visible structures can be labeled and highlighted, which will bring up related text and hot links.

There is a comprehensive clinical section focusing on orthopaedic, neurological, and muscular examinations, treatments, including manipulation and rehabilitation and clinical conditions. You can also show and explain injuries, conditions and treatments more effectively with this accurate visual tool.

Features

Over 300 clinical topic areas
Clearer graphics and brand new anatomy views
A re-designed interface giving a fresh look, feel and functionality

Clinical information

A dedicated section on clinical information, aimed at practitioners and students of chiropractic. This section will focus on orthopaedic, neurological, and muscular examinations, treatments, including manipulation and rehabilitation, and clinical conditions.

Clinical images

35 new clinical images

Animations

14 3D animations showing muscle function as it relates to movements of the spine including the mechanism of whiplash. All are saved as a movie version which can be exported and used in presentations.

Videos

174 videos including 86 new videos
58 new videos in the “Functional management” and 28 additional videos for the “Examinations”
Illustrations
20+ new illustrations

MRI images
MRI images in three planes link to cross sections of 3D anatomy (total of 98 slices) – user can label visible structures on both the scan and the cross section.

What are the contents of this title?

Examination overview
Types of test
- Overview of orthopedic testing
- Overview of neurological testing
- Principles of muscle testing
- Basic rules of muscle testing
- Grading system
Cervical spine
Orthopedic tests
Radicular vs. non-radicular conditions
Sprains and strains
Cervical spondylotic myelopathy
Vertebrabasilar artery insufficiency
Vertigo
Thoracic outlet syndrome
Neurological tests
Upper limb muscle tests
Upper limb reflexes
Upper limb sensation
Muscle tests
Motion palpation
Upper cervical spine
Mid-lower cervical spine
Thoracic spine
Orthopedic tests
Muscle tests
Motion palpation
Upper thoracic spine
Mid-lower thoracic spine
Lumbar spine and sacroiliac joints
Orthopedic tests
Nerve tension tests
Differentiating lumbosacral from sacroiliac lesions
Sacroiliac joint lesions
Wall Angel (thoracic extension) test
Flexibility tests:
Neck strength dynamometry
Upper quarter: Functional Correction
Brugger relief technique
4-point hold postural awareness correction
Scapula stabiliser control and endurance exercises:
Cranio cervical flexion exercises
Thoracic extension flexibility training
Stretching for the upper quarter
Neck strength/endurance resistance training
Clinical conditions
Multiregional conditions
Cervical spine
Thorax and Thoracic spine
Lumbar spine and sacroiliac joint
Facet joint lesions
Lateral dynamic entrapment and central stenosis
Rotation tests for lateral dynamic entrapment
Malingering/abnormal illness behavior
Miscellaneous tests
Neurological tests
Lower limb muscle tests
Lower limb reflexes
Lower limb sensation
Muscle tests
Motion Palpation
Prone static joint springing
Sacroiliac joint
Lumbopelvis: Functional assessment
Articular stability testing
Movement pattern tests
Flexibility tests
Trunk endurance tests:
Hip muscle dynamometry
Lumbopelvis: Functional correction
Neutral spine position
Abdominal brace technique
Essentials of movement pattern correction as pertains to the low back, plus examples
Essentials of passive and active flexibility training for key tight tissues, plus examples
Relieving low back stiffness
Trunk endurance training
Hip adductor and abductor strength/endurance training:
Upper quarter: Functional assessment
Postural indicators of muscle imbalance
Movement control of the scapulae
Movement control of the deep neck flexors
Who are the authors?

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What are the technical specifications?

Technical Specification:
**Format:** DVD-ROM and Online (IE6-8, Firefox, Safari)
**PC/Windows OS:** Windows XP, Vista, Windows 7
**Mac:** Mac (Intel) OSX 10.4, 10.5, 10.6
1.5Ghz Processor or greater, 200MB RAM, 24-bit color.
1024x768 screen resolution.
**Adobe AIR, Reader**

What is the price?

DVD $299/£159 exc VAT/€240 exc VAT
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How to contact us?

If you would like more information about 3D Anatomy for Chiropractic Spine, you can email sam@primalpictures.com or call us on +44 (0)207 637 1010. Our mailing address is: Primal Pictures Ltd, 4th Floor, Tennyson House, 4th Floor, 159-165 Great Portland Street, London W1W 5PA, UK