

INTERACTIVE HIP 2009 RELEASE

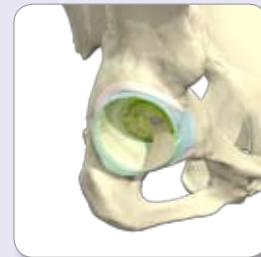


Interactive Hip – a stunning and detailed image library and reference tool for an in-depth view of the hip and acetabulum.

View clear, detailed and accurate 3D modeling of the key anatomy of the hip and acetabulum. Choose from hundreds of highly detailed and labeled views of the hip, pelvis, thigh, lumbar plexus, sacral and coccygeal plexuses, surface features and bone regions.

The disc includes 7 spectacular biomechanic animations to show the hip range of motion, hip gait and stresses, including acetabular stress, cement stress, cortex stress and prosthesis stress, as well as impingement animations and surface anatomy videos.

The MRI section looks within the joint itself and compares MR slices in 3 planes (axial, sagittal and coronal) with the equivalent slice through the 3D model in up to 27 slices.



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.

Hip

- Overview of the hip
- Hip joint
- Acetabulum

Pelvis

- Pelvis
- Nerves of the pelvis
- Arteries and nerves of the pelvis

Thigh

- Thigh
- Femoral triangle
- Sub-sartorial plexus

Lumbar Plexus

- Overview of the lumbar plexus
- Obturator nerve
- Femoral nerve
- Iliohypogastric nerve
- Ilioinguinal nerve
- Genitofemoral nerve
- Lateral femoral cutaneous nerve
- Saphenous nerve

Sacral and Coccygeal Plexuses

- Overview
- Tibial nerve
- Common fibular nerve
- Superior gluteal nerve
- Inferior gluteal nerve
- Posterior cutaneous nerve
- Pudental nerve
- Coccygeal nerve

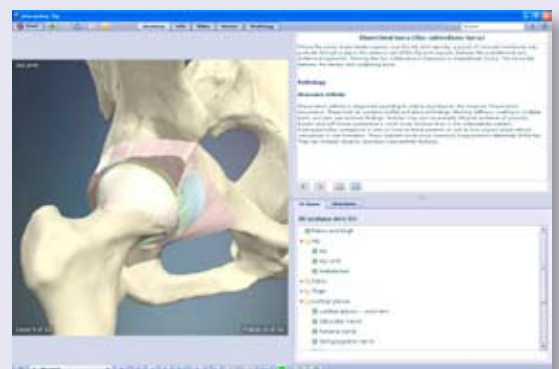
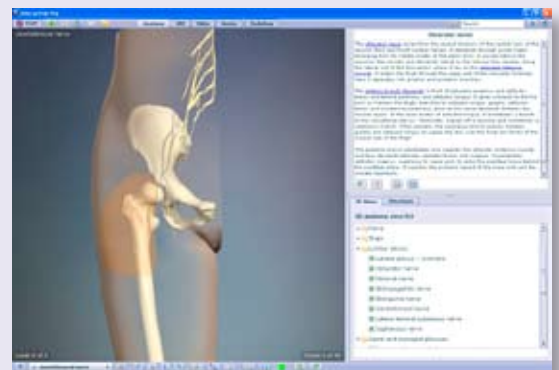
Surface Features

- Surface anatomy
- Dermatomes
- Cutaneous distribution

Bone regions

- L4
- L5
- Femur
- Sacrum
- Hip bone

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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MRI SECTION:

Link the 3D model with MRI scans in 3 planes (axial, sagittal, coronal) and move through 27 slices of both the model and the MRI.

Slides:

Anatomy slides – 19
Cadaver slides – 38 (2 planes, axial and sagittal)
Clinical radiology slides – 82
Clinical slides – 59
Dissection slides – 18
Hip MR - 80 (3 planes)

Movies:

Biomechanics

Hip gait
Hip range of motion
Acetabular stress
Cement stress
Cortex stress
Model of the gait cycle
Prosthesis stress

Impingement Animations

Hip impingement animation – CAM
Hip impingement animation – Pincer
Surface Anatomy videos

Radiology:

Amyloid hip Anatomy of the hip Arthritis

- Osteoarthritis
- Rheumatoid Arthritis

Avascular Necrosis

Avulsion Fracture

Bone Marrow Edema

- Transient bone Marrow Edema Syndrome
- Transient osteoporosis of the hip
- Osteonclerosis

Bursitis

Development Dysplasia of the hip

Fractures of the Femur and

Acetabulum

Gaucher's Disease

Labral Tears

Legg-Calve-Perthes disease

Muscle Strains

Pigmented Villodular Synovitis

Slipped Capital Femoral Epiphysis



What's new compared to the original Interactive hip (published in 1998)

In the original Interactive Hip, the nerves are not isolated and are seen as part of whole structures. This has been changed in the new version so nerves can be viewed individually as well.

7 new views in the Lumbar Plexus:

- Orburator nerve
- Femoral nerve
- Iliotyogastric nerve
- Iliinguinal nerve
- Genitofemoral nerve
- Lateral femoral curaneous nerve
- Saphenous nerve

Seven new views in the Sacral and Coccygeal Plexuses:

- Tibial nerve
- Common fibular nerve
- Superior gluteal nerve
- Inferior gluteal nerve
- Posterior cutaneous nerve
- Pudental nerve
- Coccygeal nerve

Hip:

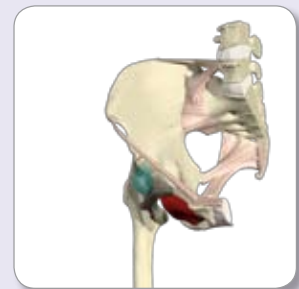
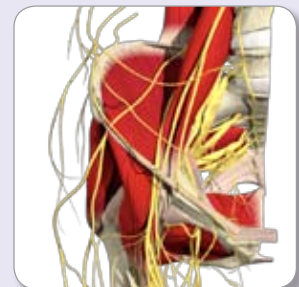
The 'Hip joint' view in the original Interactive Hip also contains all the features relating to it. The same view is labeled 'Hip' in the updated version and the 'hip joint' is a new view, illustrating the bone and muscle – no nerves or arteries.

Pelvis:

The Pelvis contains one new view:
Nerves of the pelvis

Impingement animations have been added:

Impingement animation – CAM
Impingement animation – Pincer



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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,
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