Primal Pictures Launches 3D Anatomy for Musculoskeletal Ultrasound: Upper and Lower Limb

Tool provides in-depth views of the limbs to guide interpretation of ultrasounds that are increasingly used to diagnose shoulder, elbow, wrist, hand, hip, knee and foot injuries and conditions

London, UK, 21 February 2013 - Primal Pictures has launched 3D Anatomy for MSK Ultrasound: Upper and Lower Limb, an online and DVD tool that helps medical practitioners interpret musculoskeletal (MSK) ultrasound images. Faculty in ultrasound and radiology technology programs also use the MSK Ultrasound series educate students on the use and interpretation of MSK ultrasounds. It is the latest learning tool from the publishers of the most complete and medically accurate 3D model of human anatomy.

Medical practitioners are increasingly using ultrasound imaging to help diagnose musculoskeletal problems. 3D Anatomy for MSK Ultrasound: Upper and Lower Limb allows physicians to compare scans with 3D cross sectional anatomy images of the all parts of the upper and lower limb. The images are supported by extensive clinical content on common conditions and treatment options.

“For many years Primal Pictures has been a leader in helping students understand the complexities of human anatomy,” said Dr. Eugene McNally, Consultant Musculoskeletal Radiologist at the Nuffield Orthopaedic Centre & University of Oxford. “Ultrasound now plays a very important role in the diagnosis and treatment of many conditions of the joints, muscle and tendons but a very detailed knowledge of anatomy is crucial to using ultrasound properly. Ultrasound anatomy is difficult, but the link between ultrasound and the anatomical diagrams and MRI in this product should give students an excellent start.”

3D Anatomy for MSK Ultrasound: Lower Limb features an interactive anatomy atlas with 3D models and views of the hip, knee, ankle, and foot, plus nerves of the lower extremity, while Upper Limb features the same elements for the shoulder, elbow, wrist, and hand.

“Training in musculoskeletal ultrasound requires an understanding of the underlying anatomy, but the translation of anatomical knowledge into appropriate transducer positioning, and identifying structures on the resulting greyscale sonographic image, often requires a leap in three dimensional thinking,” said Dr, David Elias, Consultant Radiologist, King’s College Hospital, London. “Marrying Primal’s 3D anatomy model with commonly performed MSK sonographic views should be a great help to those in training, and also serve as a valuable reference for more experienced MSK sonographers.” Dr. Elias, former chair of the British Medical Ultrasound Society, is one of the product’s lead authors.

An interactive imaging section allows the user to compare the labelled cross sectional anatomy of the shoulder, elbow, wrist, hand, (in Upper Limb) hip, knee and foot (in Lower Limb) with comparable ultrasound scans based on transducer positions and with MRIs in axial, sagittal and coronal planes. Key anatomical structures are labelled on both the anatomy cross section and ultrasound scan to aid accurate diagnosis of commonly presenting conditions. Additional detail about each structure and links to clinical examples provide context for this challenging imaging technique.

In addition to thousands of 3D views of the bones, muscles, nerves and vessels of the each region the DVDs also includes clinical content covering more than 80 conditions such as bursitis, tendon tears and ruptures, muscle tears, fractures, cysts and many more commonly presenting conditions and injuries. To purchase the product click here.

ABOUT PRIMAL PICTURES
Primal Pictures offers the most complete, detailed and medically-accurate 3D model of human anatomy for students, educators and health care practitioners. Primal Pictures’ 3D anatomy software is widely adopted in education and it is used for patient, practitioner and student education in over 20 countries. In 2012, over half a
million students learned anatomy using Primal software. Primal has been named Best Digital Resource by the British Medical Association, and received the Queen’s Award for Enterprise: Innovation 2012, the highest official award that given to British businesses.

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