

Anatomical structures e1

By taking a look at the illustration and the ultrasound images, make yourself familiar with the sonoanatomy of the mitral valve.

Right ventricle Mitral valve Left ventricle All structures

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Anatomical structures e2

By taking a look at the illustration and the ultrasound images, make yourself familiar with the sonoanatomy of the mitral valve.

Right ventricle Mitral valve Left ventricle All structures

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Anatomical structures f1

Familiarize yourself with the structures in the subxiphoid 4 chamber view using the simulated ultrasound image, focusing especially on the anatomical features.

Clip

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Anatomical structures f2

Familiarize yourself with the structures in the subxiphoid 4 chamber view using the simulated ultrasound image, focusing especially on the anatomical features.

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Anatomical structures g1

Make yourself familiar with the sonoanatomical organisation in the A2C and A3C with the aid of the illustration and ultrasound images.

Dissolve Clip 1 Clip 2

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Anatomical structures g2

Make yourself familiar with the sonoanatomical organisation in the A2C and A3C with the aid of the illustration and ultrasound images.

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Examination h1

Get an inside on the examination of the SLAX using the following video clip.

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Examination h2

With the help of the video, learn how to perform a focused cardiac examination.

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Supplement 3 Examples for Slides and Functions of the E-Learning, Part 2

First row (e1 + e2): This illustrates the most important click functions using the example of the PSAX mitral valve to better understand the sonoanatomical structure. There is a colour overlay for every important anatomical structure (e2).

Second row (f1 + f2): Further simulation pictures of the standard planes can help in building a better comprehensive knowledge (f1), thus click functions open clips of the ultrasound (f2). In this way, users can directly compare simulation images and real sonography on a patient.

Third row (g1 + g2): Here is an overview slide on how to get the apical two- and three-chamber views, including a schematic with the ultrasound image and respective positioning of the probe (g1). By clicking on them, the user can view clip sequences with anatomic labels (g2). A further click starts playing the clip.

Fourth row (h1 + h2): At the end of every unit, the user can watch videos on how to perform the examination. These videos include both depictions of handling the probe and the corresponding images received. The video explains the standard section plane with the relevant anatomy.