DOPS Evaluation form: Detection of pathologic findings on the simulator

Code:
Examiner:

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1) Pathology: *dilated cardiomyopathy – very severe left ventricular systolic dysfunction*

Task: Correctly obtain the ***apical 4-chamber view*** and, if necessary, the ***parasternal long axis view*** of the heart. Explain the ultrasound findings.

Demonstration of the scan planes

▪ The scan plane is demonstrated correctly/ adjusted without assistance	**2** ☐
▪ The scan plane is corrected upon request	**1** ☐
▪ Orientation only achieved with assistance	**0** ☐

Detection of pathologic findings

▪ The pathologic findings can be recognized/ described and reported independently	**2** ☐
▪ The pathologic findings can be recognized after demonstration/ can be described and reported ▪ **Tip for the examiner: Refer to the heart function**	**1** ☐
▪ The pathologic findings cannot be recognized or correctly reported	**0** ☐

The entire examination process is rated with (1 to 8 points)

(Orientation, Positioning of the transducer, Coupling, Image optimization, Breathing command, Positioning of the patient, Time to perform the scan and Overall performance)

1 – 2 – 3 – 4 – 5 – 6 – 7 – 8   _____**/8**

Total points   _____**/12**

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2) Pathology: **P***ulmonary hypertension*

Task: Correctly obtain the **parasternal short axis view of the heart at the level of the papillary muscles** and, if necessary, the ***apical 4-chamber view.*** Explain the ultrasound findings.

Demonstration of the scan planes

▪ The scan plane is demonstrated correctly/ adjusted without assistance	**2** ☐
▪ The scan plane is corrected upon request	**1** ☐
▪ Orientation only with assistance possible	**0** ☐

Detection of pathologic findings

▪ The pathologic findings can be recognized/ described and reported independently	**2** ☐
▪ The pathologic findings can be recognized after demonstration/ can be described and reported **Tip for the examiner: Refer to the right ventricle**	**1** ☐
▪ The pathologic findings cannot be recognized or correctly reported	**0** ☐

The entire examination process is rated with (1 to 8 points)

(Orientation, Positioning of the transducer, Coupling, Image optimization, Breathing command, Positioning of the patient, Time to perform the scan and Overall performance)

1 – 2 – 3 – 4 – 5 – 6 – 7 – 8   _____**/8**

Total points   _____**/12**

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3) **Pathology: Cardiac** *tamponade*

Task: Correctly obtain the **subxiphoid 4-chamber view of the heart,** and, if necessary, the *parasternal short axis view at the level of the papillary muscles*. Explain the ultrasound findings.

Demonstration of the scan planes

▪ The scan plane is demonstrated correctly/ adjusted without assistance	**2 □**
▪ The scan plane is corrected upon request	**1 □**
▪ Correct orientation only with assistance	**0 □**

Detection of pathologic findings

▪ The pathologic findings can be recognized/ described and reported independently	**2 □**
▪ The pathologic findings can be recognized after demonstration/ can be described and reported **Hint for the examiner: Refer to the area surrounding the heart**	**1 □**
▪ The pathologic findings cannot be recognized or correctly reported	**0 □**

The entire examination process is rated with (1 to 8 points)

(Orientation, positioning of the transducer, coupling, image optimization, breathing command, positioning of the patient, time to perform the scan and overall performance)

1 – 2 – 3 – 4 – 5 – 6 – 7 – 8   _____/8

Total points   _____/12

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4) **Pathologie: L***eft pleural effusion case 09*

Task: Correctly obtain the **left**, and if necessary, the **right lateral flank view.** Explain the ultrasound findings.

Demonstration of the scan planes

▪ The scan plane is demonstrated correctly/ adjusted without assistance	**2 □**
▪ The scan plane is corrected upon request	**1 □**
▪ Orientation only with assistance possible	**0 □**

Detection of pathologic findings

▪ The pathologic findings can be recognized/ described and reported independently	**2 □**
▪ The pathologic findings can be recognized after demonstration/ can be described and reported **Hint for the examiner: Refer to the area cranially to the diaphragm**	**1 □**
▪ The pathologic findings cannot be recognized or correctly reported	**0 □**

The entire examination process is rated with (1 to 8 points)

(Orientation, positioning of the transducer, coupling, image optimization, breathing command, positioning of the patient, time to perform the scan and overall performance)

1 – 2 – 3 – 4 – 5 – 6 – 7 – 8   _____/8

Total points   _____/12

Examiner´s notes:

Total points for detection of pathologic findings   _____/48

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