

Breast Ultrasound Certification - Diagnostic Cases		Score
1. Is there a correctly identified and clearly seen lesion shown in two orthogonal projections?		
If "Yes" , continue scoring If "Somewhat" enter -5 points, continue scoring, if "No" - STOP		0, -5, or Stop
2. Are both images technically acceptable? (20 pts)		
a. Appropriate transducer selection		0-4 points
b. Appropriate depth of scanning		0-4 points
c. Overall gain set correctly		0-4 points
d. TGC set correctly		0-4 points
e. Focal zones set correctly (score 4 N/A)		0-4 points
		Up to 20 points
3. Are the images correctly labeled and annotated? (25 pts)		
a. Side		0 or 5 points
b. Location of lesion		0 or 5 points
c. Transducer orientation		0 or 5 points
d. Lesion correctly measured in two dimensions		0 or 5 points
e. Distance from nipple (noted in centimeters or by zone)		0 or 5 points
		Up to 25 points
4. Are the findings interpreted correctly? (20 pts)		
a. Shape		0-4 points
b. Size		0-4 points
c. Borders		0-4 points
d. Echogenicity		0-4 points
e. Artifacts (shadowing, enhancement, reverberation)		0-4 points
		Up to 20 points

5. Are the images accompanied by the appropriate documentation? (35 pts)

a. Indication for U/S	0-5 points
b. Correlation with clinical exam	0-5 points
c. Correlation with mammogram (N/A = 5)	0-5 points
d. Is there a clearly stated and reasonable impression, including bi-rads assessment?	0,2,4,6,8,10 points
e. Is there an appropriate recommendation?	0,2,4,6,8,10 points
Total Score:	
Up to 35 points	
Up to 100	
Quality &/or Safety Issues:	
Other Comments:	
Should this case pass? Enter Yes or No :	

Breast Ultrasound Certification - Interventional Cases	Score
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1. Is there a correctly identified and clearly seen lesion?

If "Yes" , continue scoring If "Somewhat" enter -5 points, continue scoring, if "No" - STOP

0, -5, or Stop

2. Are both images technically acceptable? (20 pts)

Technical aspects of the images

a. Correctly labeled with side and clock location	0-5 points
b. Appropriate transducer selection	0-3 points
c. Appropriate depth of scanning	0-3 points
d. Overall gain set correctly	0-3 points
e. TGC set correctly	0-3 points
f. Focal zones set correctly (score 3 if N/A)	0-3 points
Maximum point can be given to any of the above items if the machine automatically sets the required parameter.	
Up to 20 points	

3. Procedural Imaging (Each procedure needs the required number of the images. The needle or the device should be seen in its longitudinal plane or orthogonal views as required by the guidelines.)25 points

a. Cyst aspiration The needle should be seen in longitudinal plane

1) Tip of the needle within the cyst	0,5,10,15 points
2) After aspiration, prior to needle removal	0,5,10,15 points

b. FNA The needle should be seen in longitudinal plane

1) Pass one with the needle tip within the lesion	0,5,10,15 points
2) Pass two with the needle tip within the lesion	0,5,10,15 points

c. Brachy-therapy devices

1) An image with the longitudinal view of the trocar, introducing device or the device, with its tip in the excision cavity	0,5,10 points
2) An image with the balloon inflated or the device deployed in longitudinal plane	0,5,10 points
3) An image with the balloon inflated or the device deployed in orthogonal plane	0,5,10 points

d. Spring-loaded biopsy devices (core/vac. assisted)

1) In proper pre-fire location	0,5,10,15 points
2) Correctly penetrating the lesion after firing	0,5,10,15 points

e. Other vacuum assisted or Rotational cutter devices

1) In pre-biopsy position below or within the lesion	0,5,10,15 points
2) After partial removal of the lesion or in a different site within the lesion	0,5,10,15 points

f. Needle localizations using one localizing needle

1) An image with the needle thru the lesion	0,5,10 points
2) An image with the hookwire deployed. If no hookwire is present, an orthogonal image showing the cross section of the needle within the lesion	0,5,10 points
3) A specimen X-Ray or Ultrasound image showing the Target lesion within the specimen	0,5,10 points

g. Needle localization using bracketing needles

1) An image of one needle lengthwise appropriately labeled as to its relation to a clearly visible lesion	0,5,10 points
2) The image of the 2nd bracketing needle as above	0,5,10 points
3) A specimen X-Ray or Ultrasound image showing the target lesion within the specimen	0,5,10 points

h. Percutaneous Breast Lesion Excision (INTACT, Halo, Phantum, etc...)

1) One image showing the lesion and the needle lengthwise before needle activation	0,5,10,15 points
2) One image during or after the excision process	0,5,10,15 points

i. Breast lesion ablation (Cryo, RF, Laser, etc)

1) One image showing the device within the lesion In its long axis	0,5,10,15 points
2) One orthogonal image showing the lesion and the cross section of the device within the lesion	0,5,10,15 points
Up to 30 points	

4. The procedure report should include the following:

a. Clear indication for the procedure or an appropriate pre-procedure diagnosis	0,5,10 points
b. Location (side, clock position, distance from the nipple or axilla)	0,1,2 points
c. Approach	0,1,2 points
d. Prep and the type of prep	0,1,2 points
e. Anesthesia and its type	0,1,2 points
f. Skin incision (if any) and closure (if done)	0,1,2 points
g. Type of the needle or the device used	0,1,2 points
h. Number of cores taken if core biopsy done (score 2 if not applicable)	0,1,2 points
i. Whether or not a clip was used (score 2 if not applicable)	0,1,2 points
j. Results of pathology or cytology if applicable (score 4 if not applicable)	0,4 points
Up to 30 points	

4. Are the findings interpreted correctly? (20 pts)

Is there documentation of appropriate disposition based on concordance (or discordance) of pathology and imaging (and clinical if applicable) findings

(20=excellent and thorough, 0=not present at all)

0,20 points

Up to 20 points

Total Score:

Up to 100

Quality &/or Safety Issues:

Other Comments:

Should this case pass? Enter Yes or No :