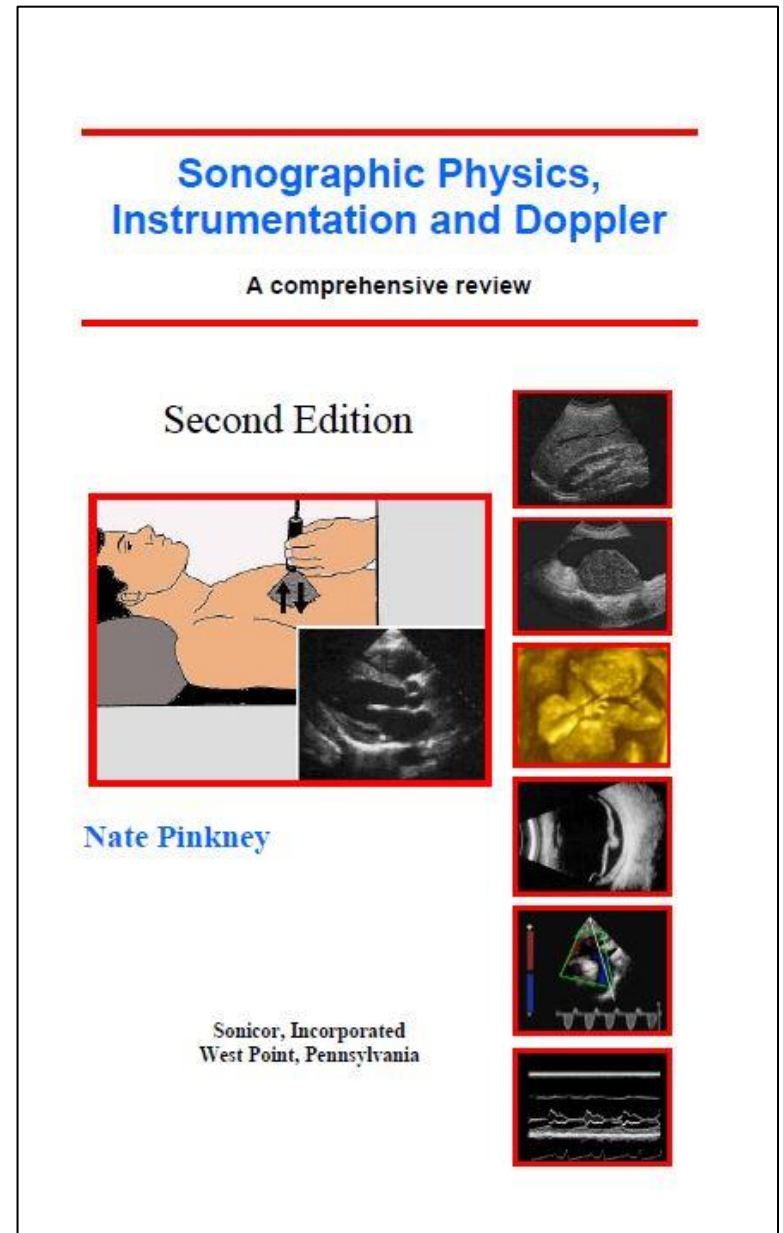


Lesson 09:

Artifacts

This lesson contains 8 slides plus 4 multiple-choice questions.

Accompanying text for the slides in this lesson can be found on pages 48 through 50 in the textbook:



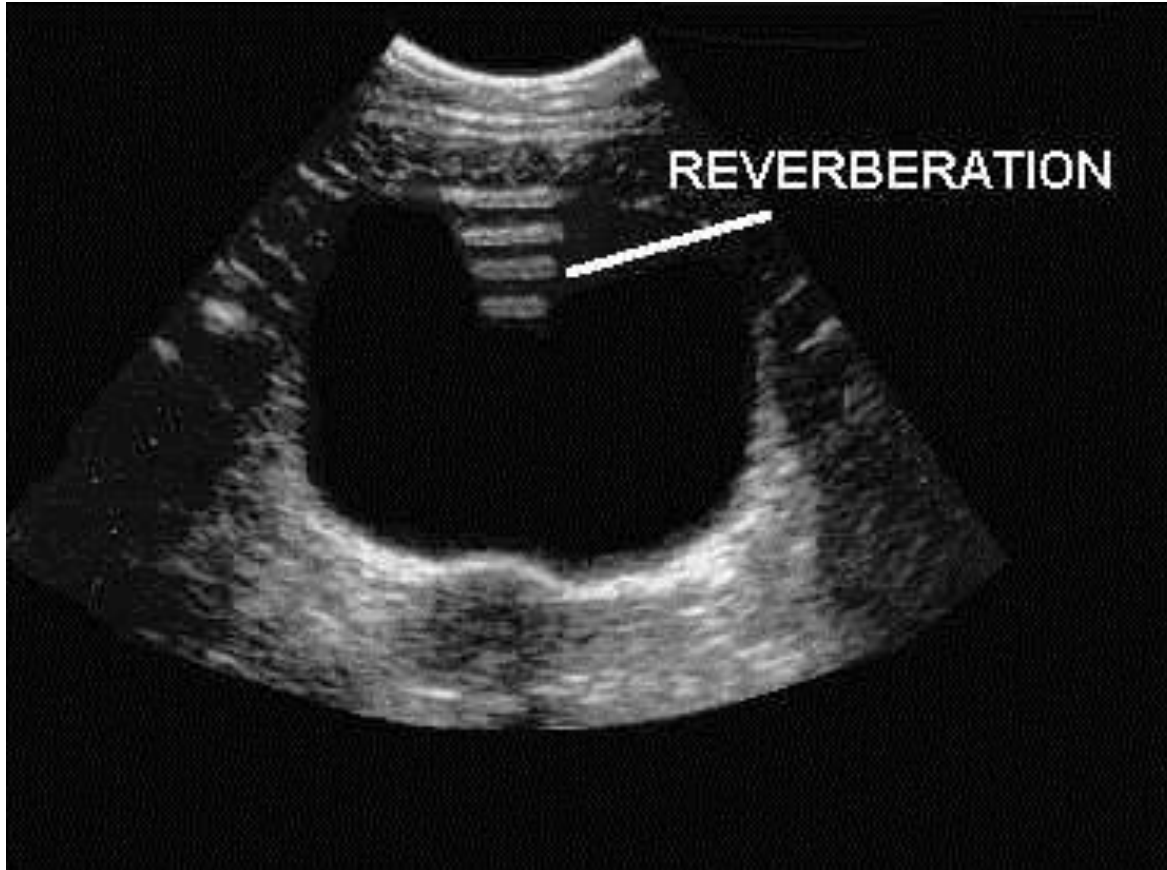
Ultrasound Artifacts

REVERBERATION

ENHANCEMENT

SHADOWING

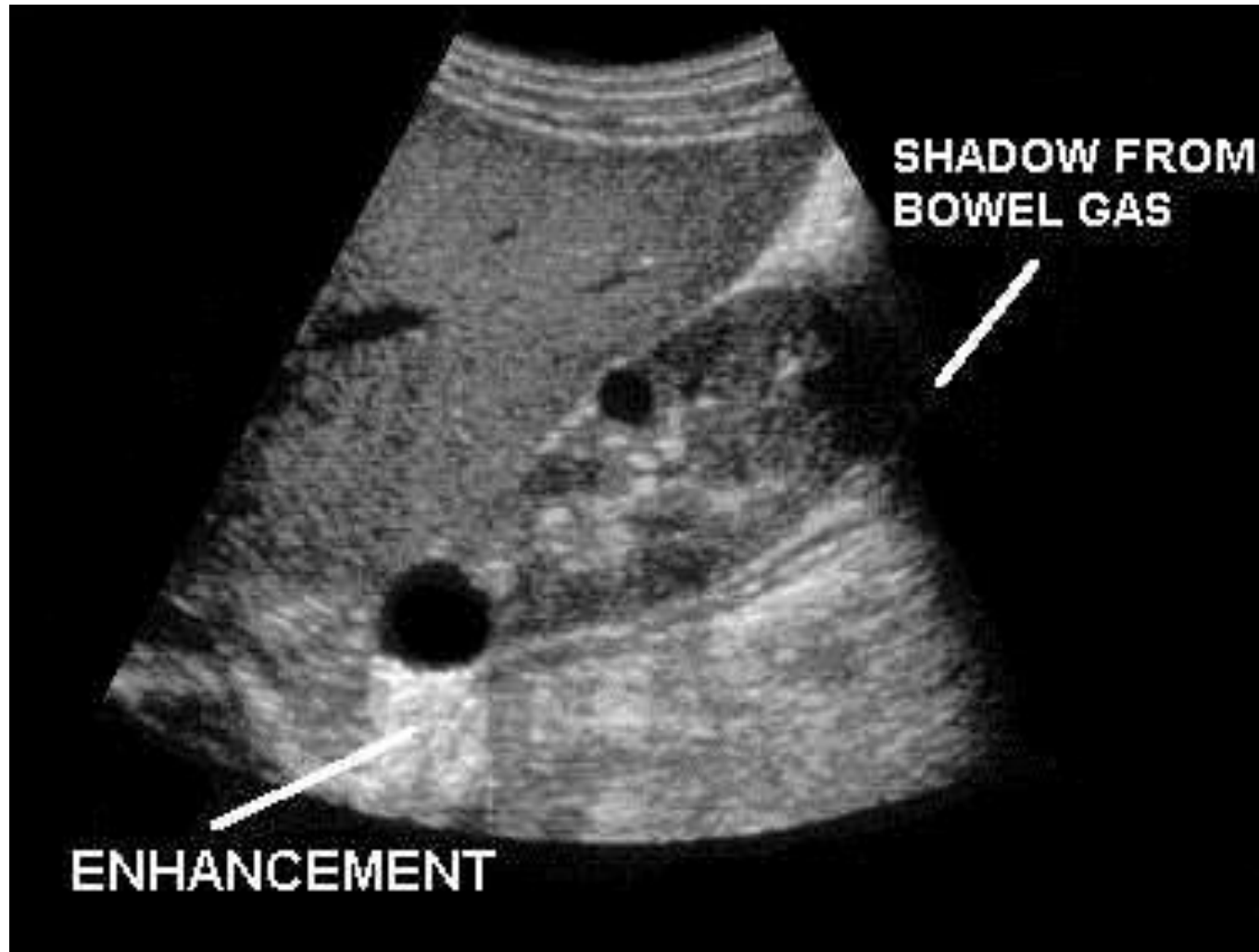
Reverberation



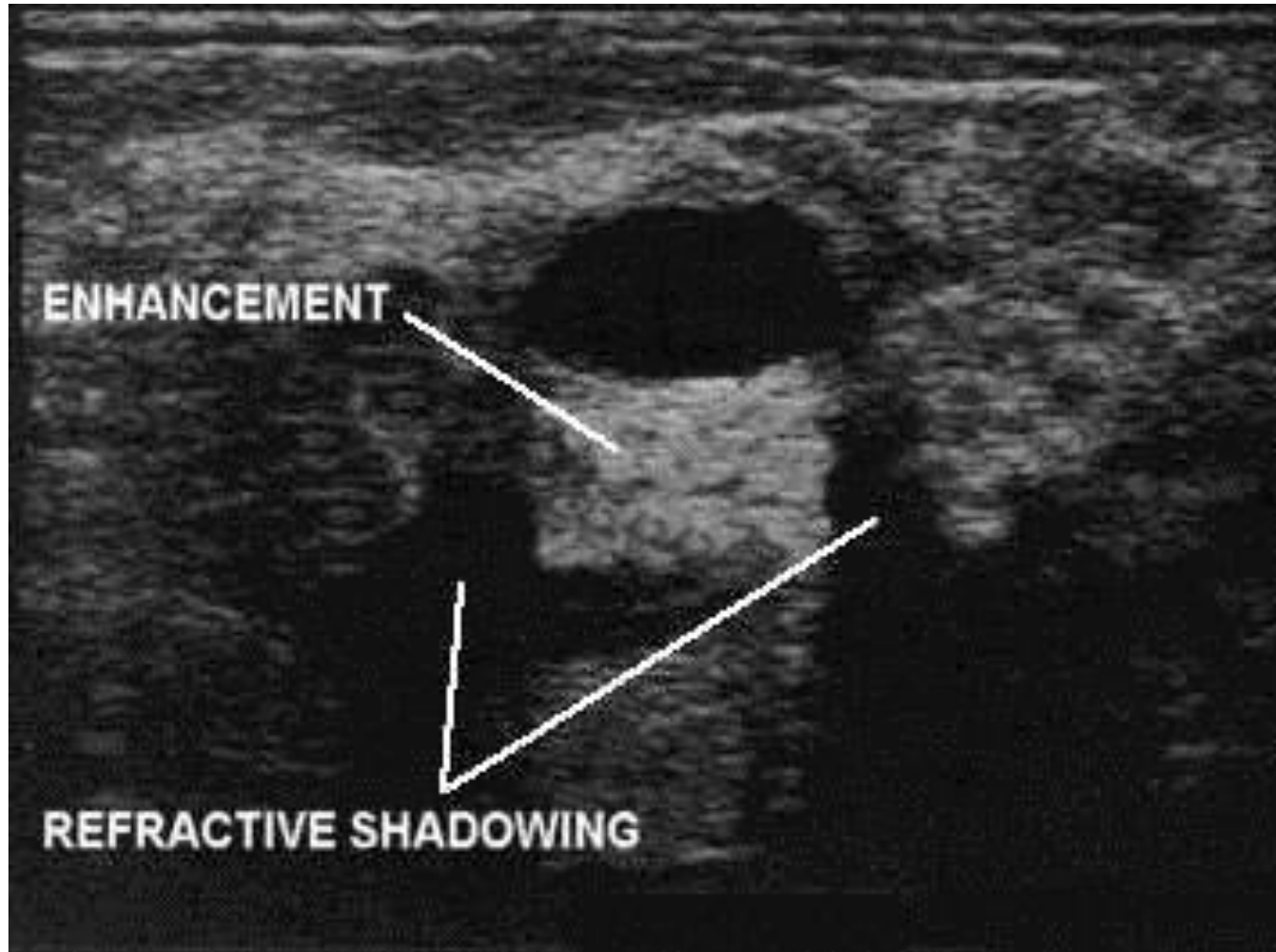
Mirror Image



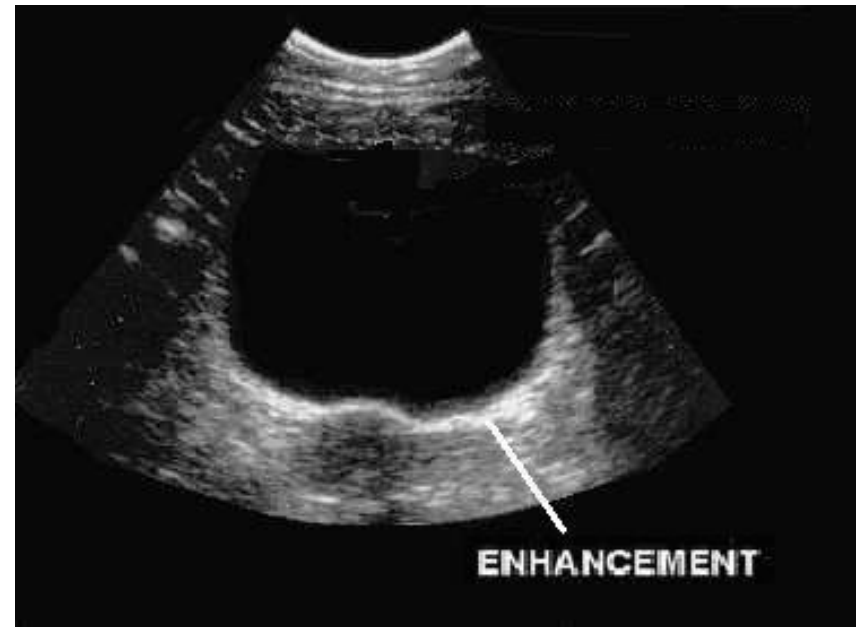
Enhancement and Shadowing



Enhancement and Shadowing



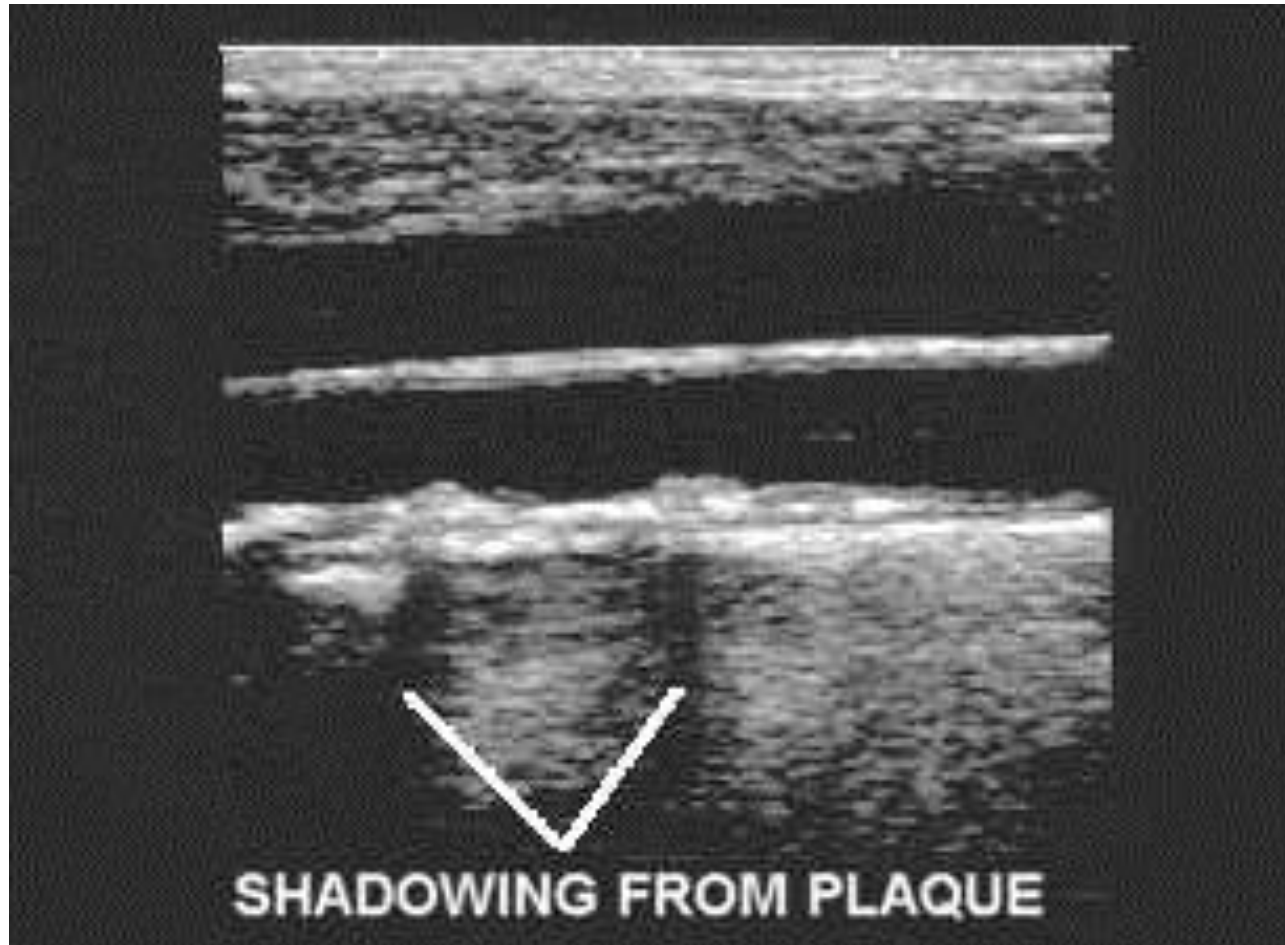
Enhancement



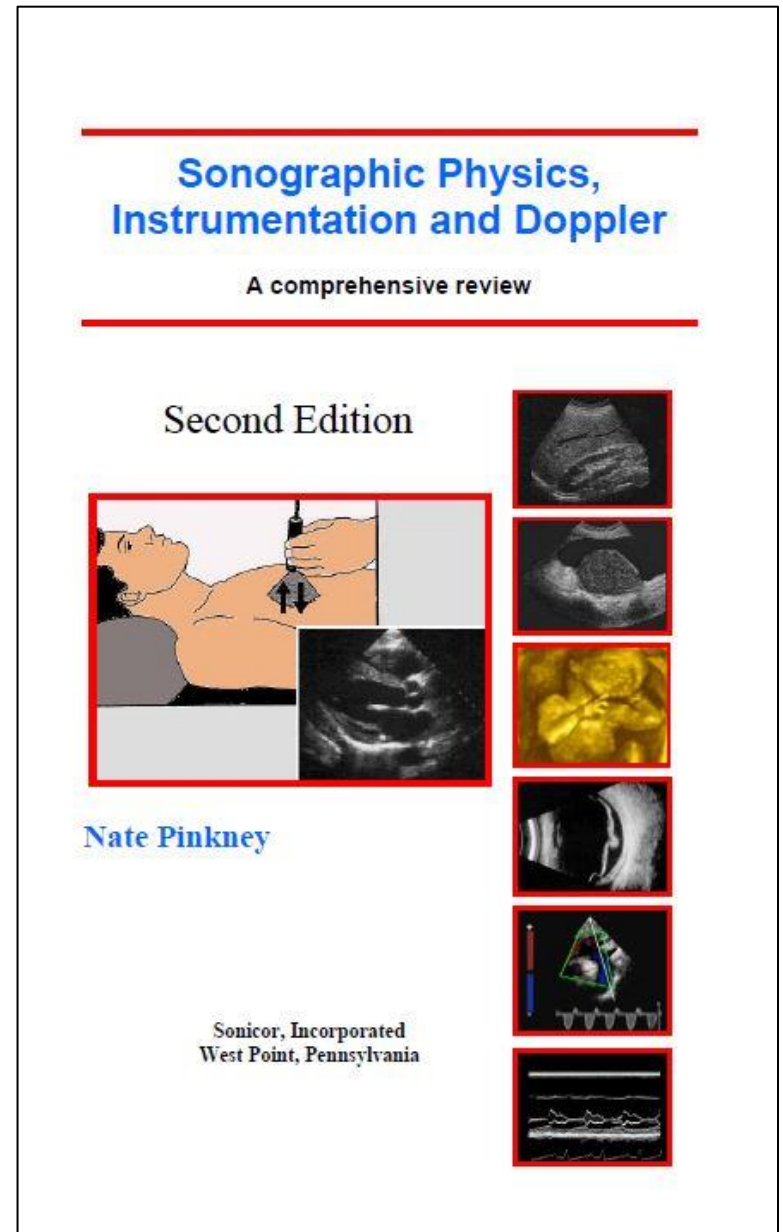
Shadowing - fetus



Shadowing - carotid



Answers to the following **FOUR** practice questions were derived from material in the textbook:



Question 1

What is the image artifact that resembles the steps of a ladder?

- shadowing
- enhancement
- through-transmission
- reverberation

Question 1

What is the image artifact that resembles the steps of a ladder?

- shadowing
- enhancement
- through-transmission
- reverberation

Question 2

What is the increase in the amplitude of echoes from reflectors that are positioned behind a poorly attenuating structure (like water)?

- shadowing
- reverberation
- reflection
- enhancement

Question 2

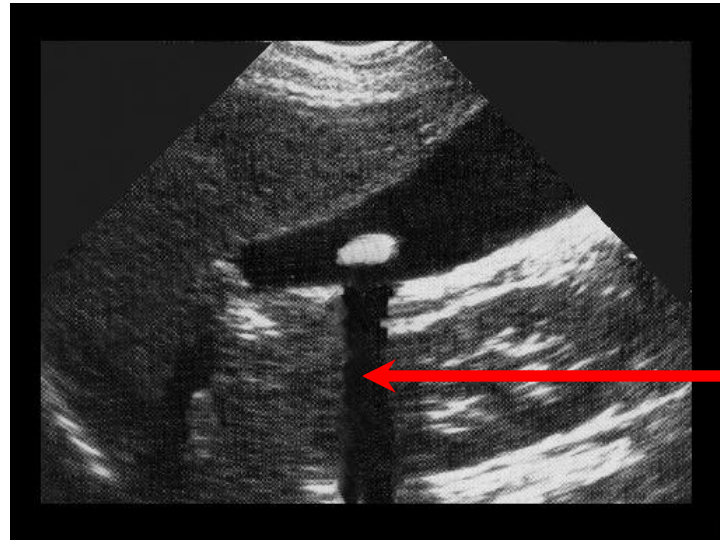
What is the increase in the amplitude of echoes from reflectors that are positioned behind a poorly attenuating structure (like water)?

- shadowing
- reverberation
- reflection
- enhancement

Question 3

What is the artifact displayed in this image?

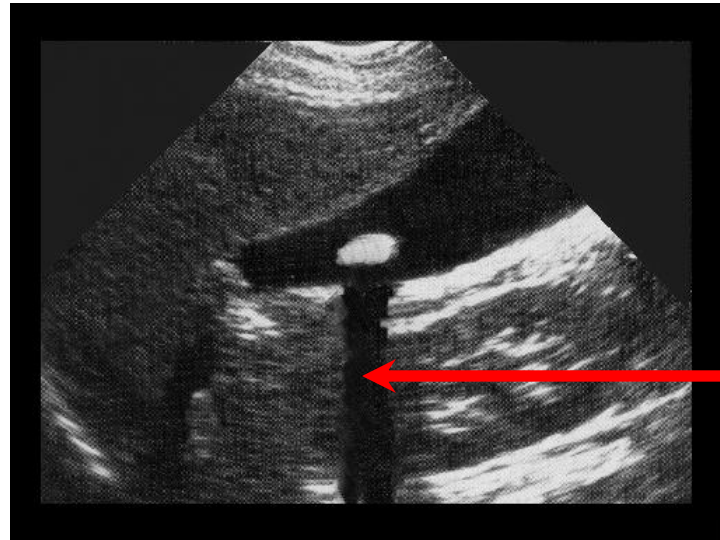
- enhancement
- mirror artifact
- reverberation
- shadowing



Question 3

What is the artifact displayed in this image?

- enhancement
- mirror artifact
- reverberation
- shadowing



Question 4

Which of the following is **LEAST** likely to cause shadowing?

- a cyst
- bowel gas
- bone
- gallstones

Question 4

Which of the following is **LEAST** likely to cause shadowing?

- a cyst
- bowel gas
- bone
- gallstones

END OF LESSON 09

For information on the accompanying textbook, visit the Website:

www.Sonicorinc.com