

CHAPTER EXERCISES-ANSWERS**Chapter 1. Doppler fundamentals.**

- i-1. D
- i-2. A
- i-3. D
- i-4. D
- i-5. B
- i-6. A
- i-7. C
- i-8. C
- i-9. D
- i-10. C
- i-11. B
- i-12. D
- i-13. A
- i-14. B
- i-15. A. Yes
- i-16.

- 1: The INV (for INVERT) indicator to the right of the velocity scale.
- 2: The negative signs adjacent to the upper portion of the right velocity scale.
- 3: The negative signs adjacent to the PSV and EDV velocity values.
- i-17. D

Chapter 2,3. Carotid imaging & Interpretation.

- ii-1. C
- ii-2. A
- ii-3. D
- ii-4. D
- ii-5. D
- ii-6. B
- ii-7. C
- ii-8. B
- ii-9. A
- ii-10. D
- ii-11. B
- ii-12. C
- ii-13. A
- ii-14. D
- ii-15. B

Chapter 4. Vertebral.

- iv-1. C
- iv-2. D
- iv-3. A
- iv-4. B
- iv-5. B. No
- iv-6. (1) Blood flow is moving towards the Doppler (positive sign). The negative sign is below baseline on the velocity scale. (2) There is no negative sign before the the velocity measurement. (3) There is no invert indicated.
- iv-7. B

Chapter 5. Venous anatomy

- v-1. C
- v-2. D
- v-3. B. False
- v-4. B
- v-5. A
- v-6. A
- v-7. D
- v-8. C
- v-9. Lower venous anatomy exercise

- 1) G
- 2) D
- 3) A
- 4) K
- 5) B
- 6) C
- 7) L
- 8) H
- 9) E
- 10) I
- 11) F
- 12) M
- 13) J

- v-10. B
- v-11. D
- v-12. C

Chapter 6. Venous imaging-lower

- vi-1. B
- vi-2. B
- vi-3. D
- vi-4. C
- vi-5. B. False
- vi-6. D
- vi-7. D
- vi-8. B
- vi-9. C
- vi-10. C
- vi-11. E
- vi-12. A
- vi-13. D
- vi-14. B
- vi-15. A
- vi-16. B
- vi-17. B

Chapter 8. Venous imaging-upper

- viii-1. A
- viii-2. A
- viii-3. B
- viii-4. C
- viii-5. B

Chapter 9. Arterial hemodynamics, anatomy, physiology.

- ix-1. A
- ix-2. D
- ix-3. A
- ix-4. B
- ix-5. D
- ix-6. B
- ix-7. A
- ix-8. D
- ix-9. A
- ix-10. C
- ix-11. D
- ix-12. D
- ix-13. B
- ix-14. D
- ix-15. C
- ix-16. E

Chapter 10. Physiologic arterial testing-lower extremity.
 x-1. D
 x-2. C
 x-3. A
 x-4. D
 x-5. C
 x-6. D
 x-7. A
 x-8. D
 x-9. B
 x-10. C. waveforms are normal, but pressures are low!
 x-11. B
 x-12. A
 x-13. B
 x-14. A
 x-15. D

Chapter 11. Color Doppler imaging: lower extremity.
 xi-1. C
 xi-2. B
 xi-3. B
 xi-4. D
 xi-5. B. False

Chapter 12. Arterial bypass grafts.
 xii-1. D
 xii-2. C
 xii-3. D
 xii-4. A
 xii-5. A
 xii-6. C
 xii-7. D
 xii-8. B
 xii-9. B

Chapter 13. Arterial upper.
 xiii-1. B
 xiii-2. D
 xiii-3. D
 xiii-4. B false
 xiii-5. B
 xiii-6. A
 xiii-7. C

Chapter 15. Hemodialysis.
 xv-1. C
 xv-2. B
 xv-3. D
 xv-4. C
 xv-5. D
 xv-6. D
 xv-7. B
 xv-8. A
 xv-9. A
 xv-10. D

Chapter 16. Transcranial Doppler.
 xvi-1. D
 xvi-2. A
 xvi-3. C
 xvi-4. A
 xvi-5. B
 xvi-6. TCD anatomy match
 1) E
 2) A
 3) I
 4) H
 5) D
 6) F
 7) B
 8) C
 9) G
 10) J

Chapter 17. Abdominal Doppler
 xvii-1. A
 xvii-2. B
 xvii-3. D
 xvii-4. A
 xvii-5. A
 xvii-6. D
 xvii-7. A
 xvii-8. C
 xvii-9. C
 xvii-10. D
 xvii-11. C
 xvii-12. A
 xvii-13. B
 xvii-14. D
 xvii-15. C