Principles of ICD-10-CM Coding

Third Edition

Chapter Exercises and Test Your Knowledge Answer Key

CHAPTER 1

TEST YOUR KNOWLEDGE

1. 1979

2. 1600s; John Graunt

3. medical necessity

4. Medicare Catastrophic Coverage Act (MCCA)

5. World Health Organization (WHO); 1993

6. comparability

7. inpatient

8. January 16, 2009

9. October 1, 2014

10. National Center for Health Statistics (NCHS)

Copyright © 2014 American Medical Association

CHAPTER 2

CHECKPOINT EXERCISE 2-1

1. Chapter 9
2. Chapter 5
3. Chapter 10
4. Chapter 11
5. Chapter 18
6. Chapter 11
7. Chapter 4
8. Chapter 7
9. Chapter 9
10. Chapter 14
11. Chapter 1
12. Chapter 5
13. Chapter 21
14. Chapter 10
15. Chapter 3
16. Chapter 12
17. Chapter 21
18. Chapter 10

Copyright © 2014 American Medical Association

19. Chapter 14

20. Chapter 19

CHECKPOINT EXERCISE 2-2

1. C40-C41

2. H10-H-11

3. B15-B19

4. I20-I25

TEST YOUR KNOWLEDGE

1. X

2. S

3. D

4. A

5. Chapter 10

6. Chapter 15

7. Chapter 19

8. Chapter 4

9. Chapter 8

10. Chapter 11

11. Chapter 2

12. Chapter 13

Copyright © 2014 American Medical Association

13. Chapter 5

14. Chapter 19

15. Chapter 21

16. Chapter 2

17. Chapter 10

18. Chapter 1

19. Chapter 21

20. Chapter 17

CHAPTER 3

TEST YOUR KNOWLEDGE

1. Code also any associated open wound (S21.-)

2. drug induced idiosyncratic (unpredictable) liver disease; drug induced toxic (predictable) liver disease

3. bunion (M20.1); bursitis related to use, overuse or pressure (M70.-); enthesopathies (M76- M77)

4. D51.0 (anemia) as first-listed diagnosis and G63 as secondary diagnosis

5. A50.54 as first-listed diagnosis and I79.8 as secondary diagnosis

6. *see* Abrasion

7. Tendinitis, gluteal, hand M77.9

8. The underlying condition or etiology/manifestation code must be reported as an

Copyright © 2014 American Medical Association

additional diagnosis.

9. Use additional code for adverse affect, if applicable, to identify drug (T36-T50) with fifth or sixth character 5).

10. Excludes1: neonatal cerebral ischemia (P91.0); transient retinal artery occlusion (H34.0-)

11. In the Tabular List, brackets enclose synonyms, alternative words, or explanatory phrases. In the Alphabetic Index, brackets are used to identify manifestation codes.

12. "NOS" is used when the condition is unspecified.

13. *"See also"* directs the user to reference another main term in the Alphabetic Index that may provide additional entries that may be useful in coding.

14. "Excludes2" means that the condition noted is not part of the condition represented by the code. The patient may have both conditions, and when both are present, both diagnosis codes may be reported.

15. brackets that enclose the code

16. The colon is used after an incomplete term that needs one or more of the modifiers that follow to make it assignable to a given category.

17. Parentheses ("()")

18. NEC is used when the information at hand specifies a condition but no separate code for that condition is provided.

19. Excludes1 pseudohypoparathyroidism (E20.1)

20. Code also any associated hypertension I10

Copyright © 2014 American Medical Association

CHAPTER 4

CHECKPOINT EXERCISE 4-1

1. typhoid fever

2. chest pain

3. gastroesophageal reflux

4. otitis media

5. atrial flutter

6. tension headache

7. ectopic pregnancy

8. rheumatoid arthritis of the knee

9. aortic stenosis with mitral valve disease

10. diaphragmatic hernia with gangrene

CHECKPOINT EXERCISE 4-2

1. true

2. false (up to 7 characters)

3. false (excludes)

4. false

5. false (not required)

6. true

7. true

Copyright © 2014 American Medical Association

8. false (Alphabetic Index)

9. true

10. false (mandatory)

CHECKPOINT EXERCISE 4-3

1. nausea and vomiting, suspect viral gastroenteritis

2. chest pain, possible myocardial infarction

3. headache, rule out viral meningitis

4. diarrhea, probable infectious colitis

5. shortness of breath, possible bronchiectasis

6. burning on urination, suspect UTI

7. vertigo, rule out Ménière's disease

8. rule out diabetes mellitus, abnormal glucose tolerance test

9. abdominal pain, rule out gastric ulcer

10. convulsions, probable seizure disorder

TEST YOUR KNOWLEDGE

1. I50.9

2. F90.2

3. J02.9

4. R51

Copyright © 2014 American Medical Association

5. J20.9

6. N41.9 and R31.9

7. E78.5

8. M54.2 – The question is for “pain in the neck” and this code is for “Cervicalgia.” The definition of Cervicalgia is pain in the neck.

9. I48.0

10. J06.9

11. I10

12. S13.4xxA

13. G06.0

14. R94.2

15. N73.9

16. R65.21

17. S91.321A

18. R63.4

19. N41.2, B95.1

20. J96.20

21. K91.0

22. T22.131D, T22.132D

23. B33.24

Copyright © 2014 American Medical Association

24. H53.143

25. L20.83

CHAPTER 5

CHECKPOINT EXERCISE 5-1

1. A17.0

2. A18.51

3. B90.9

4. A18.02

5. A18.11

6. A18.31

7. A02.21

8. A18.32

9. A08.0

10. A54.24

11. A15.5

12. A18.15

13. A18.03

14. A05.1

15. A08.0

Copyright © 2014 American Medical Association

CHECKPOINT EXERCISE 5-2

1. Z21

2. B20, C46.9

3. Z21

4. Z20.6

5. B97.35

6. R75

7. Z11.4

8. O98.712, B20

9. B20

10. A54.24

11. B20, B59

12. B19.20

13. A01.00

14. A05.0

15. A15.0

CHECKPOINT EXERCISE 5-3

1. C25.9

2. C78.00

Copyright © 2014 American Medical Association

3. D38.1

4. D09.21

5. D49.1

6. C91.91

7. C85.90

8. D00.01

9. D07.39

10. C78.00, C50.929

11. D06.9

12. Z51.11, C93.00

13. C92.10

14. C92.01

15. C81.99

CHECKPOINT EXERCISE 5-4

1. D51.0

2. D51.1

3. E45

4. D64.3

5. D53.2

Copyright © 2014 American Medical Association

6. D50.8

7. E88.09

8. D58.8

9. D62

10. D67

11. D68.0

12. D57.01

13. E26.09

14. E88.81, E66.2

15. E87.6

TEST YOUR KNOWLEDGE

1. B20

2. T85.614A, T38.3x6A, E10.641

3. E56.1

4. E05.11

5. E27.1

6. E66.01

7. M10.9

8. D72.0

9. E10.311

Copyright © 2014 American Medical Association

10. C56.9

11. D17.0

12. A80.9

13. O24.410. Z3A40. Z37.0

14. D82.0

15. D16.4

16. True

17. False

18. False

19. False

20. False. Additional codes are used to identify any manifestations and long-term insulin use if applicable.

21. False. B20 would be reported as the first listed diagnosis followed by the condition treated.

22. True

23. False

24. True

25. True

Copyright © 2014 American Medical Association

CHAPTER 6

CHECKPOINT EXERCISE 6-1

1. F50.00
2. F90.9
3. F63.1
4. F60.81
5. F10.21
6. F91.3
7. F80.0
8. F43.0
9. F45.41
10. F51.4
11. False
12. False (fourth character)
13. False (F84.5)
14. True
15. False (F50.2)

CHECKPOINT EXERCISE 6-2

1. G20
2. B37.5

Copyright © 2014 American Medical Association

3. D49.6, G32.89

4. B27.90

5. E75.23

6. A37.90, G03.8 (requires two codes because a combination code is not available)

7, G80.9

8. G44.099

9. G40.909

10. G83.11

11. G90.4, L89.90

12. G25.82

13. F02.80, G31.83

14. G70.00

15. B96.4, G03.8

CHECKPOINT EXERCISE 6-3

1. H01.8, A30.9

2. H25.9

3. H18.54

4. E10.359

5. H46.9

Copyright © 2014 American Medical Association

6. H26.40 (cataract secondary)

7. H15.002

8. G24.5

9. H53.10

10. H40.53X0, H34.813

11. H40.20X0

12. H35.61

13. H31.8

14. H25.9, H35.363

15. E10.39, H43.392

CHECKPOINT EXERCISE 6-4

1. H74.313

2. H68.102

3. H74.13

4. H90.8

5. H74.8x9

6. H72.92

7. H93.8x3, H93.13

8. H81.43

Copyright © 2014 American Medical Association

9. H71.93

10. H73.001

11. H81.03

12. H81.319

13. H60.21

14. H81.10

15. H73.019

TEST YOUR KNOWLEDGE

1. H81.03

2. J01.90, B96.3

3. F21

4. A01.01

5. Q15.0

6. H02.433

7. K70.30, I85.11, F10.988

8. H44.732

9. E10.42

10. Z72.0

11. F31.10

12. F41.0

Copyright © 2014 American Medical Association

13. I80.219

14. F10.21

15. F41.1

16. G40.409

17. K29.20, F10.288

18. G12.0

19. G51.0

20. H44.513

21. H11.012

22. H52.223

23. H60.01

24. G56.01, G56.02

25. B20, G05.3

CHAPTER 7

CHECKPOINT EXERCISE 7-1

1. I15.2, E26.09

2. I10

3. I15.0, N28.0

4. I67.4

5. I12.9

Copyright © 2014 American Medical Association

6. I11.0, I50.9

7. I10

8. I11.0, I09.81, I50.9

9. O14.12, R60.9

10. I27.2

11. I15.2, E24.9

12. I13.10, N18.9 (CKD stage not specified)

13. I15.8C71.9

14. I11.9

15. I10

CHECKPOINT EXERCISE 7-2

1. I38

2. I48.0, I74.8

3. G71.11 I43

4. I20.8

5. I25.3

6. I22.8

7. I95.9

8. I10, I25.2

9. I63.9

10. I21.3

11. I21.3, I50.9, Z87.891

Copyright © 2014 American Medical Association

12. I20.9

13. I50.9

14. I72.3

15. I48.91, I74.2

CHECKPOINT EXERCISE 7-3

1. J33.9

2. J32.2

3. J38.00

4. J37.1

5. A22.1, J17

6. J39.0

7. J18.9

8. J35.8

9. J68.1

10. B38.0, J17

11. J38.6

12. R04.2

13. A48.1

14. J31.1

15. J30.81

Copyright © 2014 American Medical Association

CHECKPOINT EXERCISE 7-4

1. J47.9
2. J68.0
3. R09.1
4. J38.5
5. J32.9
6. J62.8
7. J98.2
8. J21.0
9. J20.9, E84.0
10. I21.4
11. J10.1
12. J41.1
13. J32.2
14. J06.9
15. R06.9

TEST YOUR KNOWLEDGE

1. I65.23
2. J44.9, F17.210
3. I30.9
4. I10, J44.9, J43.9
5. I20.0, I25.2, Z86.79

Copyright © 2014 American Medical Association

6. J18.1

7. I70.0

8. I21.4

9. I50.9

10. I34.0

11. I20.9

12. J96.00, I50.9

13. J81.1

14. I48.91

15. I25.110

16. J04.0

17. I47.2

18. I71.4, J44.9, I25.2

19. I21.4, J96.00

20. J18.0

21. J35.03

22. I83.93

23. J45.42

24. J95.03

25. I25.42

Copyright © 2014 American Medical Association

CHAPTER 8

CHECKPOINT EXERCISE 8-1

1. K80.10
2. K58.9
3. K55.0
4. K81.9
5. K62.89
6. K61.1
7. K36
8. T39.011A, K27.9 (initial encounter)
9. K21.9
10. K57.33
11. K40.30
12. K63.5, Z85.040
13. K35.80
14. K50.00
15. K42.0

CHECKPOINT EXERCISE 8-2

1. L03.116 B95.8
2. M34.9 (systemic)
3. L05.91

Copyright © 2014 American Medical Association

4. L27.9 (cannot code drug or substance since unknown)

5. L57.0

6. L50.2

7. L94.0

8. L98.0

9. L21.0

10. L71.1

11. L89.509

12. L74.519

13. L80

14. E11.628, L85.1

15. L08.9

CHECKPOINT EXERCISE 8-3

1. M47.892

2. M32.13

3. M21.41, M21.42 (must be reported individually because there is not a bilateral code)

4. M84.473 (ankle not specified)

5. M81.8

6. M94.20

7. M00.00, M32.11, B95.8, N05.9

8. M23.009

Copyright © 2014 American Medical Association

9. M05.10

10. M54.17

11. M05.719

12. S62.301K

13. M65.9

14. Q70.01

15. M24.551, M24.552 (must be reported individually because there is not a bilateral code), G70.9

CHECKPOINT EXERCISE 8-4

1. N62

2. N73.1

3. N82.4

4. N44.00

5. N83.20

6. N20.0

7. N52.9

8. N80.1

9. N00.9, B19.9

10. N32.89

11. O71.7

12. N13.30

13. N20.2

Copyright © 2014 American Medical Association

14. N73.6

15. N28.1

TEST YOUR KNOWLEDGE

1. S52.201A, S52.301A (radial and ulna fractures)

2. S42.409A

3. L03.011

4. M24.411

5. L91.0

6. L74.0

7. Q65.1

8. M79.661, M84.361S

9. S61.411A, X99.1xxA

10. M17.0

11. M51.37

12. M17.11

13. L23.7

14. L22, T36.1X5A

15. L57.0

16. M12.572, S82.892S

17. M79.609, S72.90xS

18. S05.51xA, S01.111A

19. M75.102

Copyright © 2014 American Medical Association

20. L72.3

21. L02.411

22. M70.11

23. N84.2

24. N92.0

25. M48.23

CHAPTER 9

CHECKPOINT EXERCISE 9-1

1. O98.512, B06.89, Z3A.00

2. O14.93, Z3A.00

3. O02.0

4. O70.2, Z37.0

5. O66.1, O30.009, Z37.2

6. O82, Z37.9 (unknown if liveborn)

7. O00.8

8. O21.0, Z3A.00

9. O74.2, I46.910.

10. O24.419, Z3A.00

11. O10.92, Z37.0

12. O90.89

13. O86.0

Copyright © 2014 American Medical Association

14. O77.9, 067.9, Z3A.40

15. O87.1, I82.409

CHECKPOINT EXERCISE 9-2

1. Q86.0

2. P15.9

3. P50.1,

4. P59.8, Q44.3

5. P76.1

6. P28.0

7. P70.2

8. E80.4, P59.8

9. P80.9

10. P15.8

11. P96.82

12. P70.4

13. P53

14. E74.21, P59.8

15. P92.1

CHECKPOINT EXERCISE 9-3

1. Q16.2

2. Q11.0

Copyright © 2014 American Medical Association

3. Q23.2, Q23.4

4. Q37.9

5. Q53.9

6. M87.00

7. P29.2

8. Q60.2, Q60.5

9. Q45.3

10. Q21.0

11. Q52.5

12. Q38.2

13. Q04.4

14. Q87.2

15. Q64.4

TEST YOUR KNOWLEDGE

1. Q65.2

2. Q54.9

3. Q10.3

4. Q23.0

5. Q28.2

6. Q21.0

7. Q45.8

8. Q16.3

Copyright © 2014 American Medical Association

9. Q04.9, G40.919

10. P28.81, P07.38, P07.18, Z37.0

11. O21.0, Z3A.00

12. O44.10, O36.8990, Z37.0

13. O02.1, O23.40, Z3A.00

14. O87.1, I82.411, Z37.0

15. O77.8, Z3A.36

16. O80, Z37.0

17. O82, Z37.2

18. O36.0120, Z3A.00

19. O90.6

20. P29.12

21. Q21.3

22. Q54.1

23. P28.3

24. O47.9, Z3A.00

25. Q85.01

CHAPTER 10

CHECKPOINT EXERCISE 10-1

1. R94.6

2. R03.0

3. R11.2

Copyright © 2014 American Medical Association

4. R63.1, R35.8

5. R16.0

6. R55

7. R50.9

8. R00.0

9. R06.02

10. R09.89

11. R41.3, R51

12. R63.0

13. R04.0

14. N39.3

15. R73.01, Z83.3

CHECKPOINT EXERCISE 10-2

1. W67.xxxA, Y92.34, Y99.9

2. V81.4xxxA Y92.522, Y99.0

3. W46.0xxA, Y92.239

4. W59.11xA

5. V78.6xxA, Y92.811, Y99.9

6. X58.xxxA

7. X38.xxxA

8. V90.89xA

9. Y65.53 (Inappropriate operation performed)

Copyright © 2014 American Medical Association

10. X31.xxxA, Y93.01, Y92.828

11. T43.622A

12. W22.09xA

13. V49.9xxA

14. T17.1xxA

15. V86.52xxA, Y93.89, Y99.0

CHECKPOINT EXERCISE 10-3

1. S41.101A

2. S06.0x9A

3. T16.1xxA

4. S71.102A

5. S36.112A, K76.89

6. S09.90xA

7. S82.822A

8. S02.0xxA, S06.9x3A (loss of consciousness)

9. S83.241A

10. S82.441A

11. S92.009A, W17.89xA

12. S93.326A, W17.89xA

13. S82.855A

14. S42.451A

15. S12.300A, S14.104A

Copyright © 2014 American Medical Association

CHECKPOINT EXERCISE 10-4

1. T22.312A, T23.252A, T21.11xA, T31.0
2. T25.329A, X03.0xxA
3. T31.20
4. T28.5xxA
5. T22.312A, S48.012A
6. T26.60xA
7. L55.1
8. T20.00xA, T20.02xA, T20.05xA, Y93.g3, Y99.8
9. T23.209A, T23.279A, X08.8, Y92.411, Y99.0
10. T23.201A, X10.2, Y93.g3, Y99.8
11. T30.0, X06.2xxA
12. T30.0, T31.55
13. T20.27xA, T22.259A, T22.219A, X17.xxxA
14. T24.002A, X17.xxxA
15. T26.90xA (chemical burn is a corrosion)

CHECKPOINT EXERCISE 10-5

1. T46.0X1, I46.9
2. T43.014A, R40.20
3. T50.1x1A, E87.8
4. T43.595A, T40.2x5A, J96.90
5. T45.4x1AK29.01

Copyright © 2014 American Medical Association

6. T39.8x1A, T40.2x1A, R22.9

7. T45.0x1A, R11.2

8. T56.0x1A, R56.9

9. T60.91xA, R06.00

10. T46.4x1A, I46.8

11. T50.5x5A, R00.2

12. T59.4x1A, R42, R53.1

13. T65.4x4A, R00.1

14. T43.012A, R40.20

15. T45.515A, R31.0

TEST YOUR KNOWLEDGE

1. S22.49xA W08.xxxA, Y92.69, Y99.0

2. Z85.3

3. Z93.3

4. Z88.2

5. S00.10xA, W22.8xxA, Y92.838, Y99.8

6. S82.209A, W11.xxxA, Y92.009 (not specific as to what type of residence), Y99.9

7. S51.819A, W54.0xxA

8. Z48.01

9. S06.0x1A, W03.xxxA, Y92.321, Y93.61, Y99.8

10. T14.8, W00.9xxA, Y92.242, Y99.9

Copyright © 2014 American Medical Association

11. S62.109A, V95.9xxA, Y93.39, Y99.9

12. S22.49xA, Y04.0xxA, Y92.320, Y93.81, Y99.0

13. Z91.19

14. K52.2, Z91.011

15. Z12.39, Z80.3

16. S52.309A, S52.209A

17. S42.409A

18. T21.30xxA, T22.339A, T24.309A, T31.55, W40.9xxA

19. L90.5T23.301S

20. T56.0x1A, G92

21. S62.102A, W14.xxxA

22. T34.012D

23. T17.1xxxA

24. S88.011A, W23.0xxA

25. S63.132A

CHAPTER 11

CHECKPOINT EXERCISE 11-1

1. **Observation** following an accident at work

2. Family **history** of asthma

3. Influenza **vaccination** (prophylactic)

4. Renal dialysis **status**

5. **Screening** for cystic fibrosis

Copyright © 2014 American Medical Association

6. **Well-baby** visit

7. General health **exam**

8. Personal **history** of prostate cancer

9. **Chemotherapy** encounter (can also be located in Index, under Encounter)

10. **Exposure** to tuberculosis

11. **Exposure** to SARS

12. Insulin pump **status**

13. Dependence on respirator, **status**

14. **Long-term use** of aspirin

15. **Genetic susceptibility** to malignant neoplasm of the ovary

TEST YOUR KNOWLEDGE

1. Z63.0

2. Z71.89

3. Z98.51

4. Z41.2

5. Z56.0

6. Z31.41

7. F81.9

8. Z23

9. Z03.89

10. Z01.810

Copyright © 2014 American Medical Association

11. Z12.4

12. Z76.82

13. Z23

14. Z88.0

15. Z20.01

16. Z34.03

17. Z38.0

18. Z23

19. Z38.62

20. Z51.0, R11.2, C75.0

21. Z48.23

22. Z14.1

23. Z79.01

24. Z74.01

25. Z87.310

CHAPTER 12

CHECKPOINT EXERCISE 12-1

1. gastrectomy

2. arthritis

3. dermatalgia

4. cardiorrhaphy

Copyright © 2014 American Medical Association

CHECKPOINT EXERCISE 12-2

1. endocardiorrhexis
2. adermia
3. perigastritis
4. postarthrotomy

CHECKPOINT EXERCISE 12-3

1. cardiac
2. arthropexy
3. dermatosis
4. gastrology

REVIEW: BASIC WORD STRUCTURE

1. a. suffixes are word endings

   b. prefixes are word beginnings

   c. word roots are the foundation of words

2. a. heart

   b. stomach

   c. skin

   d. joint

3. a. above

   b. after

Copyright © 2014 American Medical Association

c. within

d. around

4. a. protrusion or hernia

b. study of

c. incision into

d. removal of

5. a. cardio/heart pexy/fi xation

b. arthr/joint algia/pain

c. dermat/skin itis/inflammation

d. cardio/heart centesis/puncture

CHECKPOINT EXERCISE 12-4

1. cardiopathy
2. etiology
3. acute endocarditis
4. localized arthralgia

CHECKPOINT EXERCISE 12-5

1. congenital
2. benign
3. necrosis
4. neoplasm

Copyright © 2014 American Medical Association

CHECKPOINT EXERCISE 12-6

1. psychosomatic: relating to mind and body: involving both the mind and body
2. psychosis: a symptom or feature of mental illness typically characterized by radical changes in personality, impaired functioning, and a distorted or nonexistent sense of objective reality
3. androphobia: abnormal fear of men
4. schizophrenia: a mental disorder characterized by a breakdown of thought processes and by a deficit of typical emotional responses

CHECKPOINT EXERCISE 12-7

1. tissues
2. system
3. cell
4. organ

REVIEW: DISEASE AND BASIC ANATOMY

1. a. cranial/meninges

   b. spinal/meninges

   c. thoracic/pleura

   d. abdominopelvic/peritoneum
2. a. disease

   b. tissue

Copyright © 2014 American Medical Association

c. cancer

d. dead

3. a. cell

b. disease or condition

c. drooping or dropping

d. tumor

4. sign – c

systemic – d

acute – a

symptom – e

inflammation – h

chronic – b

infection – g

localized – f

CHECKPOINT EXERCISE 12-8

1. ostalgia

2. sternocentesis

3. osteochondritis

4. osteoma

CHECKPOINT EXERCISE 12-9

1. anterior vs posterior

Copyright © 2014 American Medical Association

2. lateral vs medial

3. supine vs prone

4. proximal vs distal

CHECKPOINT EXERCISE 12-10

1. osteomalacia

2. osteogenesis

3. myoid

4. arthroscopy

REVIEW: SKELETAL AND MUSCULAR SYSTEM

1. a. osteo, osto

   b. myo

   c. chondro

   d. carpals, carpo

   e. sternum, sterno

2. supine – b

   anterior – d

   lateral – a

   proximal – j

   prone – g

   superior – h

   medial – c

Copyright © 2014 American Medical Association

posterior – f

inferior – i

distal – e

3. a. When one straightens or stretches a muscle it is called extension, while shortening a muscle is called contraction or flexion.

b. Moving a part toward the body is called adduction and moving a part away from the body is called abduction.

4. a. osteo/bone

arthro/joint

tomy/incision into

b. oste/bone

oid/like

c. inter/between

costo/ribs

chondr/cartilage

itis/inflammation of

d. arthro/joint

desis/fixation or binding

e. uni/one

later/side

al/pertaining to

Copyright © 2014 American Medical Association

f. arthro/joint

scope/instrument used to examine

CHECKPOINT EXERCISE 12-11

1. cardiomyopathy
2. ventriculoplasty
3. cardiocentesis

CHECKPOINT EXERCISE 12-12

1. phlebitis (venitis)
2. arteriotomy
3. phlebectomy (venectomy)
4. trioventricular

CHECKPOINT EXERCISE 12-13

1. leukemia
2. erythrocytogenesis
3. hematology
4. thrombolysis

CHECKPOINT EXERCISE 12-14

1. lymphocyte
2. splenectomy

Copyright © 2014 American Medical Association

3. splenocele

REVIEW: CIRCULATORY SYSTEM

1. a. arterio

   b. phlebo, veno

   c. spleno

   d. angio, vaso

   e. cardio, cardi

2. a. thrombocytes

   b. erythrocytes

   c. leukocytes

   d. myocardium

3. a. capillary

   b. leukemia

   c. thrombocytopenia

   d. myocardial infarction

   e. systole

   f. diastole

4. a. peri/around

   cardio/heart

   itis/infl ammation

   b. cardio/heart

   pleg/stroke, paralysis

Copyright © 2014 American Medical Association

ia/condition

c. arterio/artery

malacia/softening condition

d. phleb/vein

oid/like

e. splen/spleen

ectomy/removal of

f. cardio/heart

megaly/enlargement

g. tachy/fast

card/heart

ia/condition

h. brady/slow

card/heart

ia/condition

i. angio/vessel

plasty/repair

j. hemo/blood

lysis/destruction

CHECKPOINT EXERCISE 12-15

1. rhinitis

2. tracheostomy

Copyright © 2014 American Medical Association

3. laryngectomy

4. bronchospasm

CHECKPOINT EXERCISE 12-16

1. extrapulmonary

2. bronchiectasis

3. hypersternal or suprasternal

REVIEW: RESPIRATORY SYSTEM

1. a. tracheo

   b. pulmo, pulmono

   c. rhino, naso

   d. laryngo

   e. pneumo

   f. spiro

2. a. eupnea

   b. apnea

   c. anoxia

   d. asphyxia

   e. hemoptysis

3. a. pulmono/lung

   ectomy/removal of

   b. rhino/nose

Copyright © 2014 American Medical Association

plasty/repair

c. pharyngo/throat

spasm/involuntary contraction

d. trache/trachea

algia/pain

e. thoraco/chest

lumb/loin

ar/relating to

f. cyano/blue

derm/skin

ia/condition

g. laryngo/larynx

scope/instrument used to examine

h. broncho/bronchus

gram/record or tracing

i. laryngo/larynx

scler/hardening

oma/tumor

j. alveo/alveoli

bronchiol/bronchiole

itis/infl ammation

k. tracheo/trachea

malacia/softening

Copyright © 2014 American Medical Association

l. pulmon/lung

itis/infl ammation

CHECKPOINT EXERCISE 12-17

1. glandular tumor

2. adrenal tumor

3. inflammation of thyroid

4. removal of an ovary

CHECKPOINT EXERCISE 12-18

1. inflammation of the brain

2. nerve pain

3. incision into the cerebrum

4. self-destruction

REVIEW: ENDOCRINE AND NERVOUS SYSTEM

1. a. adeno

   b. encephalo

   c. neuro

   d. auto

   e. cephalo

2. a. syncope

   b. vertigo

Copyright © 2014 American Medical Association

c. anesthesia

d. cerebrovascular accident (CVA)

e. cephalalgia

f. hydrocephalus

3. a. adeno/gland

oma/tumor

b. thyroid/thyroid

itis/inflammation

c. cerebell/cerebellum

ar/relating to

d. acro/extremity

esthes/feeling, sensation

ia/condition

e. dys/painful

esthes/feeling, sensation

ia/condition

f. neuro/nerve

logy/study of

CHECKPOINT EXERCISE 12-19

1. nephrectomy

2. cystitis

Copyright © 2014 American Medical Association

3. ureterotomy

4. urethralgia

REVIEW: URINARY SYSTEM

1. a. nephro, reno

   b. cysto, vesico

   c. uro, urino

   d. litho, calco

   e. urethro

2. a. enuresis

   b. incontinent

   c. void

   d. urology

   e. dysuria

3. a. condition of blood in the urine

   b. pertaining to the bladder and kidney

   c. kidney pain

   d. abnormal condition of pus in the ureter

   e. to record or trace urine

   f. inflammation of the bladder

   g. study of urinary system

   h. condition of sugar (sweet) urine

   i. tumor of the kidney gland

Copyright © 2014 American Medical Association

j. disease condition of the kidney

k. pertaining to urine

l. to measure the bladder

m. creating new opening in ureter and bladder

n. abnormal condition of urine in the kidney

CHECKPOINT EXERCISE 12-20

1. study of the stomach and intestines
2. pertaining to the mouth and tongue
3. creating new opening in esophagus and intestine
4. removal of pharynx
5. creating a new opening of the colon
6. inflammation of the liver
7. pertaining to the rectum and bladder
8. enlargement of the liver and spleen

REVIEW: DIGESTIVE SYSTEM

1. a. oro, stomo, stomato

   b. gingivo

   c. sialo

   d. hepa, hepato

   e. pepso, pepto, gastro

   f. duodeno

Copyright © 2014 American Medical Association

g. cholecysto

h. recto, procto

i. entero

j. appendo, appendico

2. a. mastication

b. defecation

c. flatus

d. singultus

e. anorexia

f. dental

g. cholecystitis

h. hematemesis

3. a. tooth pain

b. inflammation of a salivary gland

c. fixation of the stomach

d. suture of the intestines

e. inflammation of the colon

f. pertaining to the rectum and urethra

g. referring to destruction of the pancreas

h. incision into the liver and common bile duct

i. to examine the rectum and sigmoid with a scope

j. condition of stroke (paralysis) of the esophagus and stomach

Copyright © 2014 American Medical Association

CHECKPOINT EXERCISE 12-21

1. fixation of the testes
2. egg cell
3. removal of fallopian tube and ovary
4. stone of the uterus
5. relating to within the uterus
6. inflammation of the vagina
7. suture of the fallopian tube
8. removal of the prostate
9. inflammation of the epididymis
10. referring to the penis

REVIEW: REPRODUCTIVE SYSTEM

1. a. colpo, vagino

   b. hystero, metro

   c. oophoro

   d. prostato

   e. testo, orchio, orchido

   f. salpingo

   g. oo

   h. balano

Copyright © 2014 American Medical Association

2. a. menses

b. dysmenorrhea

c. mastitis

d. ectopic pregnancy

e. multipara

3. a. abnormal condition within the uterus

b. egg cell

c. incision into the vagina and bladder

d. removal of prostate

e. herniation of vagina

f. stone of the uterus

g. repair of the penis

h. inflammation of the epididymis

i. incision into the uterus and cervix

j. incision into the abdomen

k. flow or discharge of milk

l. inflammation of testes

m. inflammation of the breast

CHECKPOINT EXERCISE 12-22

1. act of taste

2. to view self

3. study of the eye

Copyright © 2014 American Medical Association

4. disease condition of the retina

5. pertaining to tears

6. repair of the eardrum

7. instrument to measure smell

8. inflammation of conjunctiva

9. abnormal condition of fungus of the nail (finger)

REVIEW: THE SENSES

1. a. oto, auri

   b. ophthalmo, oculo

   c. blepharo

   d. audio

   e. phono

   f. olfacto, osmo

   g. gusto, gustato

   h. dermo, dermato, cutaneo

   i. onycho

   j. esthes

2. a. diplopia

   b. pruritus

   c. ulcer

   d. urticaria

Copyright © 2014 American Medical Association

e. cerumen

f. cataract

3. a. disease condition of the eye

b. inflammation of the skin

c. abnormal condition of pus in the ear

d. inflammation of the eardrum

e. one who specializes in the eye

f. instrument to measure smell

g. inflammation of middle ear

h. test to measure hearing

i. without voice

TEST YOUR KNOWLEDGE

1. c
2. a
3. d
4. c
5. d
6. a
7. b
8. a
9. b
10. a

Copyright © 2014 American Medical Association

11. b

12. a

13. b

14. d

15. c

16. a

17. d

18. c

19. a

20. c

Copyright © 2014 American Medical Association