

**AFIP MINIBOARD  
EXAMINATION**

**MAY 2009**

**KEYS**

## **TEXTBOOK REFERENCES**

- Kumar V, Abbas AK, Fausto N: Robbins and Cotran Pathologic Basis of Disease, 7th ed., Elsevier Saunders, Philadelphia, Pennsylvania, 2005
- Latimer KS, Mahaffey EA, Prasse KW: Duncan and Prasse's Veterinary Laboratory Medicine Clinical Pathology, eds. 4th ed., Iowa State University Press, Ames, Iowa, 2003
- Percy DH, Barthold SW: Pathology of Laboratory Rodents and Rabbits, 3rd ed., Blackwell Publishing Professional, Ames, Iowa, 2007
- Maxie MG: Jubb Kennedy, Palmer's Pathology of Domestic Animals, 5th ed., Saunders Elsevier, Philadelphia, PA, 2007
- McGavin MD, Zachary JF: Pathologic Basis of Veterinary Disease, 4th ed., Mosby Elsevier, St. Louis, Missouri, 2007
- Slauson DO, Cooper BJ: Mechanisms of Disease. A textbook of comparative general pathology, 3rd ed., Mosby, Inc. St. Louis, Missouri, 2002
- Stockham SL, Scott MA: Fundamentals of Veterinary Clinical Pathology, 1st ed., Iowa State Press, Ames, Iowa, 2002
- Usborne A: Pathology of Nonhuman Primates Used in Research, POLA notes 2007

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**GENERAL PATHOLOGY  
KEY**

1. **E** (McGavin and Zachary, Ch. 3, p. 137)
2. **B** ( R&C p. 31)
3. **C** (R&C p. 125)
4. **C** ( McGavin and Zachary, Ch. 3, p. 131)
5. **C** ( R&C p. 34)
6. **E** (R&C p. 125-127)
7. **A** (R&C p. 126)
8. **D** (McGavin and Zachary, Ch. 3, p. 130)
9. **E** (R&C p. 38)
10. **B** (McGavin and Zachary, Ch. 3, p. 135)
11. **B** (R&C p. 62)
12. **E** (ToxPath 35: 501, 2007)
13. **A** (ToxPath 35: 503-7, 2007)
14. **D** ( McGavin and Zachary, Ch.4, p.179)
15. **B** (McGavin and Zachary, Ch.4, p. 181)
16. **A** ( McGavin and Zachary, Ch. 4, p. 157)
17. **C** ( R&C p. 94)
18. **C** (R&C p. 126)
19. **A** (R&C p. 129)
20. **D** ( McGavin and Zachary, Ch. 4, p. 163)
21. **A** ( McGavin and Zachary, Ch. 4, p. 170)
22. **A** (Vet Pathol 45:455-466, 2008)
23. **D** ( McGavin and Zachary, Ch. 4, p. 176)
24. **B** (R&C p. 140)

25. **C** (R&C p. 147)
26. **B** (R&C p. 185)
27. **A** (R&C p. 195)
28. **C** (R&C p. 181)
29. **E** (R&C p. 201)
30. **C** (R&C p. 203)
31. **A** (NEJM; 1 November 2007; p. 1845)
32. **C** (Vet Pathol 44: 15-24, 2007)
33. **D** (McGavin and Zachary, Ch. 1, p. 19)
34. **C** (McGavin and Zachary, Ch. 1, p. 26)
35. **A** (McGavin and Zachary, Ch. 1, p. 30)
36. **D** (McGavin and Zachary, Ch. 1, p. 53)
37. **D** (McGavin and Zachary, Ch. 2, p. 70)
38. **B** (McGavin and Zachary, Ch. 3, p. 105)
39. **B** (R&C p. 291)
40. **B** (R&C p. 290)
41. **C** (McGavin and Zachary, Ch. 3, p. 111)
42. **A** (McGavin and Zachary, Ch. 3, p. 112)
43. **E** (McGavin and Zachary, Ch. 3, p. 120)
44. **C** (McGavin and Zachary, Ch. 3, p. 124-5)
45. **D** (McGavin and Zachary, Ch. 5, p. 198-9)
46. **A** (McGavin and Zachary, Ch. 5, p. 221)
47. **E** (McGavin and Zachary, Ch. 5, p. 218-20)
48. **C** (McGavin and Zachary, Ch. 5, p. 248)
49. **B** (McGavin and Zachary, Ch. 6, p. 289)
50. **C** (McGavin and Zachary, Ch. 6, p. 292)

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## **LARGE ANIMAL PATHOLOGY KEY**

1. **A** (Vet Path 2009, p. 54)
2. **A** (McGavin and Zachery, Ch. 12, p. 710)
3. **E** (JVDI 19:591-615, 2007 p. 602)
4. **E** (J Vet Intern Med. 22:662-665, 2008)
5. **B** (Vet Path 2006, p. 257)
6. **A** (Vet Pathol 44:849-862(2007)
7. **B** (McGavin and Zachery, Ch.7, pp. 372-373)
8. **A** (JKP, vol 3, p. 37; absurd?...yes; on board exam?...yes)
9. **B** (McGavin and Zachery, Ch. 11, p. 688-689)
10. **C** (McGavin's PBVD p532; we had a WSC on this)
11. **C** (J Vet Intern Med 2006, pp. 1414-1421)
12. **B** (Vet Path 2008, p.617)
13. **B** (Jubb, Kennedy, and Palmer, Vol. 2, Ch. 4, p. 501)
14. **C** (JKP, vol. 2, p 580 "Bronchiolar epithelium is not affected by PRRSV.")
15. **A** (JVDI 19:273-278, 2007)
16. **C** (Vet Path 2007, p. 269)
17. **A** (Vet Path 2006, p. 881-9)
18. **D** (Vet Path 2006, p. 726-32)
19. **B** (Vet Path 2006, p. 447-454)
20. **D** (Vet Path 2007, p. 429-448)
21. **D** (Vet Path 2008, p. 19-25)
22. **B** (JVDI 19:305-8, 2007)
23. **A** (Vet Path 2006, p. 695-701)
24. **C** (JKP, vol. 1, p. 61)
25. **B** (JKP, vol. 3, p. 435-7)

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## **DOG AND CAT PATHOLOGY KEY**

1. **B** (Vet Path 2009; pp. 241)
2. **B** (Vet Path 2009; pp. 64-67)
3. **C** (Vet Path 2008; pp. 819)
4. **B** (Vet Pathol 44:261-268 (2007))
5. **A** (McGavin and Zachary, Ch. 11, p. 627)
6. **A** (McGavin and Zachary, Ch. 20, p. 1366)
7. **C** (Vet Pathol 42:608-617, 2005)
8. **E** (Vet Pathol 42:788-796, 2005)
9. **C** (Vet Path 43:510-522, 2006)
10. **A** (Vet Path 43:15-28, 2006)
11. **A** (Vet Pathol 44:276-284 (2007))
12. **B** (Vet Pathol 44:875-884 (2007))
13. **D** (JVDI 19:525-531, 2007)
14. **A** (Vet Path 44:569-578, 2007)
15. **D** (Vet Pathol 44:161-169, 2007)
16. **C** (JAVMA, p 1851, Dec 15, 2007)
17. **B** (Vet Path 44:842-848, 2007)
18. **E** (JAVMA, p 1329, May 1, 2007)
19. **D** (JKP, vol. 1, p. 57)
20. **A** (Vet Path 44:50-56, 2007)
21. **B** (Vet Path 43:136-149)
22. **D** (JVIM 21:892-898, 2007)
23. **B** (Vet Derm 18:365-369, 2007)
24. **C** (JKP, vol. 2, p. 421)
25. **B** (JKP, vol. 3, p. 15)

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## LAB ANIMAL PATHOLOGY KEY

1. C (Percy & Barthold, Ch.1, p. 121)
2. E (Vet Pathol 45:576-585, 2008)
3. C (Percy & Barthold, Ch. 1, p. 100)
4. A (Vet Path 2009, p. 313)
5. E (Percy & Barthold, Ch. 5, p. 240)
6. D (Percy & Barthold, Ch. 1, p. 26)
7. E ( Vet Pathol 45:369-374, 2008)
8. A (Vet Pathol 43:438-446, 2006)
9. D (P&B, Ch.6, p. 269)
10. B (P&B, Ch.6, p. 306-7)
11. D ( Percy & Barthold, Ch. 1, p. 55)
12. D ( Vet Pathol 45:674-680, 2008)
13. B ( Veterinary Pathology. Jones, Hunt, King. p. 1045 and POLA notes 2007)
14. D (Vet Pathol July, 43:484-93, 2006)
15. A (Vet Path 44:309-313, 2007)
16. A (P&B, Ch.1, p. 34-5)
17. B (P&B, Ch.1, p. 72-3)
18. C (P&B, p. 169)
19. A (P&B, p. 164)
20. A (P&B 135)
21. E (Vet Pathol 43: 523-29, 2006)
22. C (Vet Pathol 44: 796-802, 2007)
23. A (P&B p.128-129)
24. E (Comparative Medicine, pp. 125-7, Feb 2007)
25. D (P&B p.140)

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## CLINICAL PATHOLOGY KEY

1. **C** (Duncan & Prasse, Ch. 5, p. 142)
2. **C** ( D&P p. 260, 265)
3. **A** (D&P p. 144)
4. **B** ( Duncan & Prasse, Ch. 4, p. 126)
5. **A** ( D&P p. 297)
6. **A** ( Duncan & Prasse, Ch. 5, p. 142)
7. **D** (BSAVA Manual of Canine and Feline Clinical Pathology p. 290-291  
OR D&P p. 296-298)
8. **B** (D&P p. 328 OR Cowell's Diagnostic Cytology and Hematology p.  
383)
9. **D** (D&P p. 326)
10. **C** (JAVMA; 1 Oct 2006; p. 1113)
11. **E** ( Hypoadrenocorticism – BSAVA Manual of Canine and Feline  
Clinical Pathology p. 291-292)
12. **C** ( Duncan & Prasse, Ch. 5, p. 142)
13. **D** ( D&P p 358. BSAVA Manual of Canine and Feline Clinical  
Pathology; Pedersen NC. A review of FIP virus infection. J of Feline  
Med and Surg. **11**:225-258, 2009. An A/G ratio < 0.81 is highly  
suggestive of FIPV infection)
14. **C** (D&P, p. 335, 342)
15. **D** ( D&P p. 316)
16. **C** (D&P p. 4-5)
17. **E** (D&P p. 41)
18. **B** (D&P p. 40)



19. **B** (D&P p. 106)
20. **A** (D&P p. 187)
21. **E** (D&P p. 395, 156-7,257)
22. **A** ( Duncan/Prasse p.383)
23. **E** (Kaneko, et al: Clinical biochemistry of Domestic Animals, 5<sup>th</sup> ed., p. 851, 1997)
24. **B** (D&P p. 222)
25. **A** (D&P p. 18-19)