Content Corrections

Fundamentals of Veterinary Clinical Pathology
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This listing: October 18, 2006

Previous listings:
2003: March 8, March 27, April 10, November 24
2004: February 4, April 26, May 5, June 28, July 6, August 14, November 5
2005: January 12, March 15, June 14 (note: June 14 listing contains corrections that were corrected in the 3rd printing but reappeared in the 4th printing)
2006: October 18

The corrections are listed in seven sections.

1. Corrections for 1st and 5th printings (page 1)
2. Corrections for 1st and 2nd printings (pages 2-4)
3. Corrections for 1st, 2nd, and 3rd printings (pages 4-7)
4. Corrections for 3rd printing only (page 7)
5. Corrections for 1st, 2nd, and 4th printings (pages 7-8)
6. Corrections for 1st, 2nd, 3rd, & 4th printings (pages 8-9)
7. Corrections for 1st, 2nd, 3rd, 4th & 5th printings (page 10)

For each correction, the date when the correction was first posted on this website is noted.

Which printing do you have?

The printing notation is located on the last line of the copyright page (page iv): e.g., 1 for first printing. However, the last digit in both the 2nd and 3rd printings is a 2. To determine if you have a 2nd or 3rd printing, look at page 18 to see if the albumin unit in the second row of Fig. 1.3 has been corrected.

- The incorrect albumin unit (mg/dL) is in the 2nd printing.
- The correct albumin unit (g/dL) is in the 3rd printing.

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Corrections for 1st and 5th printings

Page 339 (1st printing) *March 8, 2003*

Figure 9.1 legend: Change first word in legend from *Erythrocytes* to *Electrolytes*

Corrected

Electrolytes and H_2O enter plasma…

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Corrections for 1st and 2nd printings

Page 18 (1st and 2nd printings) *March 8, 2003*

Figure 1.3, 2nd row: Change *Albumin* unit from mg/dL to g/dL

Corrected

Albumin (g/dL)

Page 45 (1st and 2nd printings) *March 8, 2003*

Example for Equation 2.3.d. in next to last line of page: Change *26* to *25*

Corrected

nRBC = 25/100 WBC

Page 74 (1st and 2nd printings) *March 8, 2003*

Table 3.13: arrows pointed the wrong direction in *Glucocorticoid associated* row

1st and 2nd printings

Glucocorticoid associated	↑	↑	WRI-slight	↑	↑	↓	↑

Corrected

Glucocorticoid associated					↓	↑	↓

Page 373 (1st and 2nd printings) *March 8, 2003*

Table 9.14: Change all *osmolality* to *osmolarity*

Corrected

Table title: .. to serum osmolarity ..

4th column heading: Contribution to osmolarity

5th column heading: Contribution to total osmolarity

5th column in Protein row: No significant contribution to osmolarity

Table 9.14: Change *mmol/L* to *mosmol/L* in 5th column

Corrected (3 changes)

mosmol/L

Table 9.14, Protein row: Change *0.01* to *1.0* in 4th column

Corrected

< 1.0 mosmol/L

If needed, see "Modifications for Clarity" file for explanation of the osmolarity versus osmolality values.

Page 373 (1st and 2nd printings) *March 27, 2003*

Table 9.14, Total row: Change *299.4* to *300.4*

Corrected

300.4 mosmol/L

Page 398 (1st and 2nd printings) *March 8, 2003*

Table 10.8: Delete *Hgb defect* row

Table 10.8. Diseases and conditions that cause hypoxemia

Decreased inhaled O_2 content: high altitude, closed ventilation area
Impaired respiratory exchange: respiratory obstruction, hypoventilation
Decreased alveolar function: pneumonia, emphysema, pulmonary, ventilation perfusion imbalance, right–to–left shunt, congestive heart failure, neonatal respiratory distress syndrome
~~Hgb defect: methemoglobinemia, carbon monoxide poisoning, cyanide poisoning~~

Note: Compared to adult horses, neonatal foals have lower P_{O_2}, higher P_{CO_2}, higher HCO_3^-, and slightly lower pH values because of underdeveloped lungs.

Note: The HYPOXEMIA section in the lower half of page 398 has *Hemoglobin hypoxia* correctly classified as causing hypoxia but not hypoxemia. However, the organization of the section has confused some readers. See "Modifications for Clarity" file for another approach.

Page 400 (1st and 2nd printings) *March 27, 2003*

Reference 7: Change *2000* to *1992*; deleted *2nd ed*

Corrected

DiBartola SP, de Morais HSA: 1992. Respiratory acid-base disorders. In: DiBartola SP, ed. *Fluid Therapy in Small Animal Practice*, 258-275. Philadelphia: W.B. Saunders.

Page 400 (1st and 2nd printings) *March 27, 2003*

Reference 9: Change *de Morais HSA* to *de Morais HA*
Change *276-293* to *251-261*

Corrected

de Morais HA: 2000. Mixed acid-base disorders. In: DiBartola SP, ed. *Fluid Therapy in Small Animal Practice*, 2nd ed., 251-261. Philadelphia: W.B. Saunders.

Page 404 (1st and 2nd printings) *March 8, 2003*

Line 15, in paragraph 5.a.: change *limp* to *limb*

Corrected

.. ascending limb of …

Page 427 (1st and 2nd printings) *April 10, 2003*

Paragraph III.B.4. and III.B.5.: change *increased* to *decreased*

Corrected III.B.4.

.. in decreased 1,25-DHCC production)

Corrected III.B.5.

.. in decreased 1,25-DHCC production)

Page 453 (1st and 2nd printings) *March 8, 2003*
1st line, paragraph B.: modify so it reads as follows
Corrected

b. ~~In cats and people,~~ Anorexia (in cats) and hypothyroidism (in dogs) are …

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Corrections for 1st, 2nd, and 3rd printings

Page 94 (1st, 2nd, and 3rd printings) *November 24, 2003*
Fig. 4.5: remove FAD as a cofactor for the *NADPH diaphorase* reaction
Corrected reaction

Page 137 (1st, 2nd, and 3rd printings) *June 28, 2004*
Line 2 in 2.a.(3) paragraph: delete "n" from "impendance"
Corrected

(3) When analyzed .. during impedance counting.

Page 153 (1st, 2nd, and 3rd printings) *June 28, 2004*
Reference 79: Change 2001 to 2000
Corrected

79. Kaneko,J.J. 2000. The …

Page 219 (1st, 2nd, and 3rd printings) *August 14, 2004*
Reference 220: change *Factor III* to *Factor VIII*
Corrected

220. Stokol T, ..1995. Factor VIII activity …

Page 249-250 (1st, 2nd, and 3rd printings) *August 14, 2004*
Reference 8: change page number from *90* to *190*
Corrected

8. Watson ADJ, .. 190-195. Philadelphia, …

Reference 27: change publication year from *2001* to *2000*
Corrected

27. Smith GS. 2000. Neutrophils…

Reference 30: change publication year from *2001* to *2000*
Corrected

30. Blue JT. 2000. Myelodysplastic…

~~*Page 261 (1st, 2nd, and 3rd printings)* *November 24, 2003*~~
~~Line 4 in 4.c.(1) paragraph: change reference 8 to reference 7~~
~~Corrected~~
~~(1) Hyperproteinemia .. (see Plate 5.D.).[7,13]~~

Page 261 (1st, 2nd, and 3rd printings) *August 14, 2004*
Line 4 in 4.c.(1) paragraph: replaced reference 13 with reference 8
Corrected
(1) Hyperproteinemia .. (see Plate 5.D.).[7,8]

Page 273 (1st, 2nd, and 3rd printings) *August 14, 2004*
Line 3 in IV.A.1.: remove 30 from reference numbers
Corrected
.. recommended.[27, 31]

Page 274 (1st, 2nd, and 3rd printings) *August 14, 2004*
Lines 2 & 3 in V.E.2.c.(3): change *208* to *200* and reference number from *37* to *41*
Corrected
.. using 200 mg/dL $ZnSO_4$.[41]

Page 276 (1st, 2nd, and 3rd printings) *August 14, 2004*
Reference 32: Change publication year from *1977* to *1997*
Corrected
32. Parish SM .. 1997. Prediction …

Page 276 (1st, 2nd, and 3rd printings) *August 14, 2004*
Reference list: add a reference 41
Corrected
41. Hudgens KAR, Tyler JW, Besser TE, Krytenberg DS. 1996. Optimizing performance of a qualitative zinc sulfate turbidity test for passive transfer of immunoglobulin G in calves. Am J Vet Res 57:1711-1713.

Page 329 (1st, 2nd, and 3rd printings) *June 28, 2004*
Line 8, 2nd column of Table 8.11: change *0.1* to *0.01*
Corrected
F.E. of Na^+ 0.01 – 0.7

Page 365 (1st, 2nd, and 3rd printings) *July 6, 2004*
Line 3 in III.B.1.a.(1): change *rebsorbed* to *resorbed*
Corrected
(1) .. is not resorbed in the intestine.

Page 372 (1st, 2nd, and 3rd printings) *April 26, 2004*
Line 1 in I.B. paragraph: change *solvent* to *solution*
Corrected
B. *Osmolarity*: the concentration .. *liter of solution* (mol/L).

Page 373 (1st, 2nd, and 3rd printing) *March 8, 2003*

Table 9.14 title: change *osmolality* to *osmolarity*

Corrected

Table 9.14: Solutes that contribute to serum osmolarity (approximate …)

Page 386 (1st, 2nd, and 3rd printings) *April 26, 2004*

Line 1 in I.C.3.a. paragraph: add *fully* between *when* and *oxygenated*

Corrected

a. .. in plasma when fully oxygenated blood …

Line 2 in I.C.3.a. paragraph: after the °C, delete the comma and replace with *and* ; delete *and a pH of 7.4.*

Corrected

a. .. is equilibrated at 37°C and P_aCO_2 of 40 mmHg. Or, a …

Line 4 in I.C.3.a. paragraph: delete *and pH was 7.4.*

Corrected

a. .. 40 mmHg.

Page 400 (1st , 2nd and 3rd printings) *February 4, 2004*

Reference 13: Change *2000* to *1992*

*R*emove *2nd ed*

Corrected

de Morais HSA: 1992. A nontraditional approach to acid-base disorders. In: DiBartola SP, ed. *Fluid Therapy in Small Animal Practice*, 297-316. Philadelphia: W.B. Saunders.

Page 423 (1st, 2nd, and 3rd printings) *July 6, 2004*

Line 1 in II.C. paragraph: change the first *mEq/L* to *mmol/L*

Corrected

C. Unit conversion: mg/dL × 0.4114 = mmol/L

Page 427 (1st, 2nd, and 3rd printings) *August 14, 2004*

III.A.5. paragraph: change *110* to *111*

Corrected

5. Vitamin D intoxication[111] (increased intake)

Page 496 (1st, 2nd, and 3rd printings) *November 24, 2003*

Line 3 in IV.C.1.b.(1) paragraph: change reference 35 to reference 37

Corrected

(1) Hypoadrenocorticism: When hypoglycemia .. target cells).[37]

Page 506 (1st, 2nd, and 3rd printings) *August 14, 2004*
Reference number errors: change 2nd *66* to *67*, change *67* to *68*, and *68* to *69*
Corrected

67. McCann JP, …
68. Bond R, …
69. Stockham SL, …

Page 511 (1st, 2nd, and 3rd printings) *August 14, 2004*
Line 1 in II.A.2: change equation by inserting *= pmol/L;*
Corrected

pg/mL × 0.7378 = pmol/L; ng/dL × 7.378 = pmol/L

Page 513 (1st, 2nd, and 3rd printings) *August 14, 2004*
Line 1 in II.A.2: change equation by inserting *= nmol/L;*
Corrected

ng/mL × 2.266 = nmol/L; µg/dL × 22.66 = nmol/L

Page 565 (1st, 2nd, and 3rd printings) *May 5, 2004*
Table 18.4, 1st row, 2nd & 3rd columns: change *mg/dL* to *µg/dL*
Corrected

	LDDST Cortisol (µg/dL)[a]	HDDST Cortisol (µg/dL)

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Corrections for 3rd printing only

Page 400 (3rd printing) *February 4, 2004*
Reference 13: Change: *Mixed acid-base disorders* to *A nontraditional approach to acid-base disorders*
Change: *251-261* to *297-316*
Corrected
de Morais HSA: 1992. A nontraditional approach to acid-base disorders. In: DiBartola SP, ed. *Fluid Therapy in Small Animal Practice*, 297-316. Philadelphia: W.B. Saunders.

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Corrections for 1st, 2nd, and 4th printings

Page 120 (1st, 2nd & 4th printings) *March 8, 2003*
Table 4.8, 14th line: add superscript *b* at end of line
Corrected

.. (e.g., ehrlichial)[b]

Page 241 (1st, 2nd, & 4th printings) *March 27, 2003*
First line of paragraph f.(1)(a): change *Dysmegakaryocytopoiesis and dysthrombopoiesis* to *Dysmyelopoiesis*
Corrected
(a) Dysmyelopoiesis: giant cell …

Page 241 (1st, 2nd, & 4th printings) *March 27, 2003*
First line of paragraph f.(1)(c): change *Dysthrombopoiesis* to *Dysmegakaryocytopoiesis and dysthrombopoiesis*
Corrected
(c) Dysmegakaryocytopoiesis and dysthrombopoiesis: nonlobed …

Page 275 (1st, 2nd, & 4th printings) *March 8, 2003*
Line 10 in F. 1. paragraph: Change *foal* to *calf*
Corrected
1. .. IgM in calf sera, …

Page 280 (1st, 2nd, & 4th printings) *March 8, 2003*
Fig. 8.2 legend: The units for osmolality should be *mosmol/kg H_2O* not just *mosmol/kg*
Changes should be made on lines 2, 6, 11, and 17

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Corrections for 1st, 2nd, 3rd and 4th printings

Page 94 (1st – 4th printings) *November 24, 2003*

Line 1 of 4th bulleted paragraph in Fig. 4.5 legend: remove "(with cofactor FAD)"
Corrected
- NADPH diaphorase also catalyzes conversion …

Note: FAD is described as a cofactor for NADPH diaphorase in plants, but we did not find a reference that it served as a cofactor for the enzyme in animals.

Page 134 (1st – 4th printings) *November 5, 2004*
Line 2 in 2.C.1.: change Table 4.7 to Table 4.8
Corrected
1. Erythrocyte .. (see Table 4.8 for disorders).

Page 245 (1st - 4th printings) *January 12, 2005*
Fig. 6.2: Change the concentration units in the table from #/mL to #/µL.

Corrected
Reticulocytes (#/µL)
Neutrophils (#/µL)
Platelets (#/µL)

Page 390 (1st - 4th printings) *March 15, 2005*
Line 1 in II.D.2. paragraph: change *lower* to *raise*

Corrected: The renal response takes about 2–5 days to effectively raise the blood pH during chronic hypercapnia.

Page 451 (1st - 4th printings) *March 15, 2005*
Lines 3-7 in V.C.: Change *GGT* to *ALP* and the *ALP* to *GGT*

Corrected:
In 12 of 15 (80%) of the cats with lipidosis, the ALP:GGT ratio was increased (i.e., ALP activity increased more than GGT activity). Only 4 of 39 (10%) of the cats with liver diseases other than lipidosis had increased ALP:GGT ratios (magnitudes of change not reported).

Page 489 (1st – 4th printings) *November 5, 2004*
Fig. 14.1: remove "+ ↑ glucagon" from the muscle fiber

Corrected figure

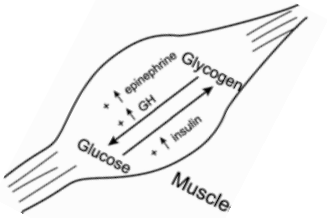

Fig. 14.1 legend, *Muscle* paragraph: remove , *glucagon,* from 3rd line
Corrected legend
- *Muscle*: Glucose .. whereas GH and epinephrine promote glycogenolysis.

Note: Information in Kaneko's 5th edition, pg. 61 specifies that glucagon promotes glycogenolysis in hepatocytes but not muscle fibers.

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Corrections for 1st, 2nd, 3rd, 4th, and 5th printings

Page 103 (1st – 5th printings) *March 8, 2003*

7th line from top: change *deficiency* to *deficiencies*

Corrected

3. .. G6PD and FAD deficiencies …

Or change to:

3. .. G6PD deficiency and FAD deficiency …

(note: they are two different disorders; it is not a disorder that has both a G6PD and a FAD deficiency)

Page 131 (1st – 5th printings) *June 28, 2004*

Line 4 in B.1.a.(5)(a) paragraph: add an "s" to contain

Corrected

(a) Clinically healthy .. a minority of the erythrocytes contains Heinz bodies.
