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 H₂O 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

<table>
<thead>
<tr>
<th>Glucocorticoid associated</th>
<th>↑</th>
<th>↑</th>
<th>WR↓- slight↑</th>
<th>↓</th>
<th>↓</th>
<th>↑</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corrected</td>
<td>↓</td>
<td>↑</td>
<td>↓</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
Table 10.8: Diseases and conditions that cause hypoxemia

Decreased inhaled O2 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 Po2, higher PCO2, higher HCO3−, 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

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

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 ...

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 “impedance”
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.).  [244]

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 ZnSO4. [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

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 reabsorbed 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).
Table 9.14 title: change osmolality to osmolarity
Corrected
Table 9.14: Solute 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 PaCO2 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
Remove 2nd ed
Corrected

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 intoxication111 (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 \(= \text{pmol/L;}\)
Corrected
\[\text{pg/mL} \times 0.7378 = \text{pmol/L;} \text{ ng/dL} \times 7.378 = \text{pmol/L}\]

Page 513 (1st, 2nd, and 3rd printings)  August 14, 2004
Line 1 in II.A.2: change equation by inserting \(= \text{nmol/L;}\)
Corrected
\[\text{ng/mL} \times 2.266 = \text{nmol/L;} \text{ µg/dL} \times 22.66 = \text{nmol/L}\]

Page 565 (1st, 2nd, and 3rd printings)  May 5, 2004
Table 18.4, 1st row, 2nd & 3rd columns: change mg/dL to \(\mu\text{g/dL}\)
Corrected
\[
\begin{array}{|c|c|}
\hline
\text{LDDST} & \text{HDDST} \\
\text{Cortisol (µg/dL)}^a & \text{Cortisol (µg/dL)} \\
\hline
\end{array}
\]

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

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 Dysmegakaryocytopenosis and dysthrombopoietosis to Dysmyelopoiesis
Corrected
(a) Dysmyelopoiesis: giant cell ...

Page 241 (1st, 2nd, & 4th printings)  March 27, 2003
First line of paragraph f.(1)(c): change Dysthrombopoietosis to Dysmegakaryocytopenosis and dysthrombopoietosis
Corrected
(c) Dysmegakaryocytopenosis and dysthrombopoietosis: 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 H₂O not just mosmol/kg
Changes should be made on lines 2, 6, 11, and 17

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.
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.