

Case 1: 1.5 year old GSD presenting for vomiting,
anorexia and azotemia

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|--|--------|----------|-------------|
| Blood Gas Results Status: | FINAL | | |
| Blood Gas Tech. | NAD | | |
| pH corrected Ca ⁺⁺ is not usable because pH is less than 7.2. | | | |
| Barometric Pressure | 636 | | mmHG |
| Sample Type | Venous | | |
| Blood Gas Temp. | 98.6 | | Deg F |
| Fraction Inspired O ₂ | 21.0 | | % |
| Hemoglobin Conc. | 24.3 | | g/dL |
| Blood pH | 7.178 | P | 7.33 - 7.45 |
| Temp. corrected Blood pH | 7.178 | | |
| Blood pCO ₂ | 57.1 | H | 24 - 39 |
| Temp corrected pCO ₂ | 57.1 | | mmHG |
| Blood HCO ₃ ⁻ (calculated) | 20.4 | | 17 - 27 |
| Actual Base Excess | -10.6 | | mEQ/L |
| Blood pO ₂ | 31.7 | P | 67 - 92 |
| Temp corrected pO ₂ | 31.7 | | mmHG |
| Oxygen Saturation | 39.3 | | % |
| Calc Total O ₂ | 12.8 | | Vol% |
| Blood Sodium | 131 | L | 145 - 156 |
| Blood Potassium | 7.60 | H | 4.1 - 5.6 |
| Blood Chloride | 99 | L | 104 - 113 |
| Blood Anion Gap | 18.7 | | 13 - 24 |
| Ionized Calcium | 1.60 | | mEQ/L |
| Ionized Calcium Corrected | . | | 1.12 - 1.40 |
| Blood Glucose | 50 | L | 67 - 114 |
| Blood Lactate | 3.5 | H | 0.20 - 1.44 |
| Blood Creatinine | 2.9 | H | 0.7 - 1.9 |

Case 2: 5 year old FS DSH presenting for 10-14 days of vomiting.

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|---------------------------|-------|---|-------------|--------|
| Hemoglobin Conc. | 18.5 | | | g/dL |
| Barometric Pressure | 637 | | | mmHG |
| Blood pH | 7.473 | H | 7.33 - 7.44 | |
| Blood pCO2 | 52.0 | H | 35 - 42 | mmHG |
| Blood pO2 | 39.5 | L | 73 - 92 | mmHG |
| Blood HCO3- (calculated) | 37.6 | H | 15 - 24 | mEQ/L |
| Actual Base Excess | 11.5 | | | mmol/L |
| Oxygen Saturation | 61.3 | | | % |
| Temp. corrected Blood pH | 7.473 | | | |
| Temp corrected pCO2 | 52.0 | | | mmHG |
| Temp corrected pO2 | 39.5 | | | mmHG |
| Calc Total O2 | 15.0 | | | Vol% |
| Blood Sodium | 139 | L | 153 - 161 | mEQ/L |
| Blood Potassium | 3.2 | L | 3.9 - 5.6 | mEQ/L |
| Blood Chloride | 77 | L | 110 - 119 | mEQ/L |
| Blood Anion Gap | 28.0 | H | 16 - 27 | mEQ/L |
| Ionized Calcium | 0.85 | | | mmol/L |
| Ionized Calcium Corrected | 0.88 | L | 1.20 - 1.32 | mmol/L |
| Blood Glucose | 250 | H | 65 - 141 | mg/dL |
| Blood Lactate | 7.7 | | | mmol/L |
| Blood Creatinine | 5.11 | H | 1.0 - 2.7 | mg/dL |
| Carboxyhemoglobin | 3.6 | | | % |
| Methemoglobin | 2.2 | | | % |