

Blood Gas Analysis

A PowerLinks Page Presented By



Analysis of arterial or venous blood gas can rapidly provide information about the sick, anesthetized or critical patient. There are frequently several questions on boards that will involve blood gas interpretation. Establishing a methodical way of reading and interpreting blood gases will allow you to approach these questions with a plan. The links from this page provide detailed review on how to assess blood gases as well as normal ranges and practice questions.

Blood Gas Analysis PowerLinks

Colorado State:

<http://www.cvms.colostate.edu/clinsci/wing/fluids/bloodgas.htm>

This PowerLink is one of the best reviews you will find on this topic. The practice questions provide excellent reinforcement. **IMPORTANT NOTE:** The reference values on this page are for Colorado, at high elevation with a barometric pressure of only 640 mmHg.

Veterinary Information Network (VIN):

<http://www.vin.com/Members/Proceedings/Proceedings.plx?CID=iveccs2007&PID=pr18619&O=VIN>

This link has a table of normals for dogs and cats (equine and bovine are not very different) and a review on interpretation that is helpful.

Orlando Health:

<http://orlandohealth.com/pdf%20folder/Inter%20of%20Arterial%20Blood%20Gas.pdf>

This PowerLink is only intended for you if you feel you are still struggling with blood gases. It is a thorough and stepwise review of interpretation with many examples but is time-consuming. The examples here are human rather than veterinary, but the interpretation information is the same.