



## Thoracic Auscultation for Nurses: Do You Hear What I Hear?

Risa Roland, DVM, DACVIM (Cardiology)

**When:** Thursday, February 11, 2016  
**Time:** Registration 6:00 p.m.; lecture begins at 6:30 p.m.  
**Location:** Chadwick's Restaurant  
2750 Egypt Road, Audubon, PA  
*Approved 2 PVMA credits*



This lecture will focus on thoracic auscultation in the dog and cat. We will cover cardiac sounds including murmurs (and how to grade them), clicks, gallop rhythms, split sounds and arrhythmias. We will also cover pulmonary sounds including crackles, wheezes and causes of dull lung sounds. We will end the lecture with a few case studies to correlate historical and clinical findings with auscultation findings.

Veterinary Cardiologist Dr. Risa Roland is a native of Brooklyn, New York. She attended Cornell University and obtained her Bachelor of Science degree with honors in animal science in 1998. She continued her education at Cornell University, College of Veterinary Medicine, and was awarded her Doctor of Veterinary Medicine degree in 2003. After graduation, she completed a one-year rotating internship in small animal medicine and surgery at the University of Pennsylvania. Following her internship, she completed a three-year cardiology residency program at Texas A&M University, and became board certified by the American College of Veterinary Internal Medicine in 2007.

Dr. Roland's particular interests within the discipline of cardiology include congenital abnormalities, chronic degenerative valve disease and canine and feline cardiomyopathies. Dr. Roland performs numerous specialized procedures which include, but are not limited to, echocardiography, electrocardiography, pacemaker implantation, patent ductus arteriosus embolization, balloon valvuloplasty, diagnostic catheterization, portosystemic shunt embolization, urethral stent placement, tracheal stent placement and heartworm retrieval.

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