


Advanced Respiratory Diagnostics Course Schedule

Thursday, October 28		MINUTES OF CE REQUESTED
12:00 pm - 1:30 pm	REGISTRATION	
1:30 pm - 2:20 pm	Lecture: Introduction to Tracheobronchoscopy <i>C. Reiner</i> Participants will be provided with an overview of the equipment & accessory basics, indications & contraindications for tracheobronchoscopy; how to use the bronchoscopy road map; overview of functional & structural abnormalities; & generation of a standardized tracheobronchoscopic report.	50
2:30 pm - 3:20 pm	Lecture: Utility of Tracheobronchoscopy in the Management of Small Animal Respiratory Disorders <i>C. Reiner</i> Participants will be provided with case-based examples of how tracheobronchoscopy was successfully used to obtain a diagnosis and provide critical information to management of miscellaneous respiratory disorders.	50
3:20 pm - 3:40 pm	REFRESHMENT BREAK	
3:40 pm - 4:30 pm	Hands-On Labs - Participants will be divided into two groups of 15 and rotate through each of four stations Station I: The Bronchoscope <i>B. McKiernan</i> Participants will learn how to hold & maneuver the scope & properly orient it within the airways. A review of the bronchoscopic road map will be provided.	25
3:40 pm - 4:30 pm	Station II: Bronchoscopic Accessories <i>C. Reiner</i> Participants will have the opportunity to examine & operate a variety of accessories including pinch biopsy forceps, guarded catheter brushes, aspiration biopsy needles & foreign body retrieval devices.	25
4:40 pm - 5:30 pm	Station III: Operation of the Bronchoscope <i>B. McKiernan</i> Participants will gain comfort holding & guiding the bronchoscope through the airways of cadavers & will practice performing systematic exams using the bronchoscopy road map. At the end of this session, all participants should be able to efficiently & accurately enter any particular bronchus named by presenter.	25
4:40 pm - 5:30 pm	Station IV: Interpretation of Structural & Functional Abnormalities <i>C. Reiner</i> Participants will view a variety of still photos & video clips of tracheobronchoscopic exams & be asked to provide their interpretation.	25
5:30 pm - 6:30 pm	WELCOME RECEPTION	
Friday, October 29		
8:00 am - 8:50 am	Small Group Sessions: Writing a Standardized Tracheobronchoscopic Report <i>C. Reiner & B. McKiernan</i> An overview of a standardized form for reporting results of tracheobronchoscopy will be provided. Each participant will generate one standardized tracheobronchoscopic report following a video of a complete bronchoscopic examination.	50
9:00 am - 9:50 am	Lecture: How Imaging Can Be Used in Tandem with Bronchoscopy in the Management of Small Animal Respiratory Disorders <i>R. Pollard</i> Participants will be provided with case-based examples where imaging was used prior to bronchoscopy. The pro's and con's of different imaging modalities will be discussed & alternative methodology will be explored. Participants will have the opportunity to answer various questions during case presentations & the polled audience answers will be displayed after each question.	50
9:50 am - 10:20 am	REFRESHMENT BREAK	
10:20 am - 11:10 am	Lecture: Thoracic Ultrasound <i>R. Pollard</i> Participants will be provided with an overview of thoracic ultrasound & its utility in assisting in the diagnosis of small animal respiratory disorders. Case examples will be used to highlight pertinent points & to provide a basis for discussion. Ultrasound-guided interventions will be described.	50
11:15 am - 12:00 pm	LUNCH - PROVIDED	

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12:00 pm - 12:50 pm	Hands-On Labs - Participants will be divided into three groups of ten and rotate through each of three stations Station I: Thoracic Ultrasound - Hands-On Practice with Imaging <i>R. Pollard</i> Participants will practice ultrasound-guided fine-needle aspiration & biopsy. Cadavers used from Thursday which had a specified lung lobe filled with saline will be imaged.	50
1:00 pm - 1:50 pm	Station II: Advanced Bronchoscopy I - Foreign Body Retrieval <i>B McKiernan</i> Participants will use the bronchoscope in cadavers to first visualize & then remove a foreign body in the tracheobronchial tree.	50
2:00 pm - 2:50 pm	Station III: Advanced Bronchoscopy II - Specialized Procedures <i>C. Reiner</i> Participants will use the bronchoscope in cadavers to perform one or all of the following: fine-needle aspiration, mucosal pinch biopsy, or guarded brush catheter sample collection.	50
3:00 pm - 3:50 pm	Station IV: Collection of Bronchoalveolar Lavage in a Blind Fashion - Participants will be divided into two groups of 15 for the fourth station <i>C. Reiner & B. McKiernan</i> Participants will use cadavers to practice hands-on collection of bronchoalveolar lavage fluid. A review of the benefits of pre-medicating with bronchodilators & use of various volumes of fluid to be instilled will be provided.	50
AN AFTERNOON REFRESHMENT BREAK IS PROVIDED		
4:00 pm - 4:50 pm	Panel Discussion: Respiratory Diagnostics <i>C. Reiner, B. McKiernan, R. Pollard</i> Participants will have an opportunity for a question & answer period on various topics, including when to perform tracheobronchoscopy vs. other means of obtaining cytologic specimens; when to perform thoracic CT & how its diagnostic results compare with, exceed or compliment tracheobronchoscopy; how to manage complications from tracheobronchoscopy & U.S.-guided aspirates or biopsies; & which patients are the best candidates for tracheal stent placement.	50
Saturday, October 30		
8:00 am - 9:00 am	Lecture: Tracheal Stents for the Management of Canine Tracheal Collapse <i>B. McKiernan, C. Weisse</i> Participants will be given an overview of the indications & contraindications for tracheal stent placement; short & long-term complications; how to place a stent; & post-stent placement management strategies.	60
A MORNING REFRESHMENT BREAK IS PROVIDED		
9:20 am - 1:10 pm	Hands-On Labs - Participants will be divided into three groups of ten & rotate through each of four stations Station I: Practice Selecting the Correct Size of Stents Participants will learn about stent selection & accessory equipment. Computer generated case-based examples will allow participants to gain practice selecting appropriate sizes of tracheal stents. Additionally, other types of useful accessory equipment will be shown.	50
	<i>Stations Sponsored by:</i> 	
	Station II: Fluoroscopic & Digital Radiographic Placement of Stents Participants will practice deploying stents & fluoroscopic / digital radiographic placement of stents. The use of fluoroscopy & digital radiography to deploy a stent in a cadaver will be practiced.	50
	Station III: Practice Deploying Constrained Stents Participants will gain practice deploying constrained stents displayed using an overhead projector.	50
	Station IV: Endoscopic Placement of Stents Participants will gain practice with endoscopic placement of stents.	50
11:50 am - 12:20 pm	A LIGHT LUNCH IS PROVIDED	
1:15 pm	COURSE CONCLUDES	

TOTAL CE MINUTES	860
TOTAL CE HOURS	17
MAXIMUM HOURS FOR ANY <u>ONE</u> PARTICIPANT	17