ACVIM Resident Endoscopy Boot Camp
October 14-17, 2019

C. Wayne McIlwraith Translational Medicine Institute (TMI)
Colorado State University | Fort Collins, CO

A special thank you to our
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Day 1: Monday, October 14, 2019
GI Endoscopy

7:30-7:45 am  Shuttle to TMI
7:45-8:00 am  Registration
8:00-8:30 am  Welcome/Breakfast / Introduction
8:30–9:30 am  Discussion: Esophagus and Foreign Body Removal  
Dr. Mike Leib
Participants will learn the basic endoscopic techniques for foreign body removal from the esophagus, normal and abnormal endoscopic findings, and various techniques for esophageal foreign body removal.

9:30-10:00 am  Break

10:00 – 11:00 am  Discussion: Gastric and Foreign Body Removal  
Dr. Mike Leib
Participants will learn the basic endoscopic techniques for foreign body removal from the stomach, normal and abnormal gastric endoscopic findings, and various techniques for gastric foreign body removal.

11:00 am – 12:00 pm  Discussion: Upper Intestinal  
Dr. Mike Leib
Participants will learn how to pass through the pyloris for examination of the duodenum, normal and abnormal endoscopic findings and the techniques for obtaining intestinal biopsies.

12:00 – 12:50 pm  Discussion: Large Intestine  
Dr. Mike Leib
Participants will learn techniques for colonic preparation prior to endoscopy, endoscopic techniques for evaluating the colon and ileum, and abnormal pathologic findings of the large intestine.

12:50-1:30 pm  Lunch
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1:30-5:30 pm  Lab 1: Upper GI Endoscopy
Dr. Mike Leib, Dr. David Twedt, Dr. Craig Webb
  1. Endoscopy of the esophagus, stomach and duodenum
  2. Endoscopic foreign body removal
  3. Wrap up Q and A

Participants will learn basic endoscopic handling techniques for examination of the esophagus, stomach and duodenum.

Break

5:45-7:15 pm  Resident Mixer
7:15 pm-  Dinner (on own)
Day 2: Tuesday, October 15, 2019
GI Endoscopy (continued)

7:45-8:00 am  Shuttle to TMI
8:00-8:30 am  Breakfast / Pre-Lab Orientation
8:30–9:30 am  Discussion: PEG Tube/ Stricture Management
              Dr. Mike Leib
              Participants will learn the technique and indications for percutaneous endoscopic gastrotomy
tube placement and the techniques for endoscopic treatment of esophageal strictures.

9:30-11:30 am  Lab 2:  PEG Tubes / Strictures
              Dr. Mike Leib, Dr. David Twedt, Dr. Craig Webb
              1. GI biopsy techniques
              2. PEG tube placement
              3. Esophageal stricture management
              Participants will perform upper gastrointestinal endoscopy and biopsies, place endoscopic
              feeding tube and learn how to perform balloon dilation of esophageal strictures.

Break

11:30 am-12:15 pm  Lunch
Sponsored by

12:30-5:30 pm  Lab 3:  Upper and Lower GI Endoscopy
              Dr. Mike Leib, Dr. David Twedt, Dr. Craig Webb
              1. Upper GI endoscopy (esophagus, stomach and duodenum)
              2. Lower GI endoscopy (colon and ileum)
              3. Foreign Body Removal Colonoscopy
              Participants will perform upper and lower gastrointestinal endoscopy in dogs and remove gastric
              foreign bodies.

Break

5:30-6:00 pm  Discussion: Instrument Cleaning and Care
              Dr. David Twedt
              Participants will learn proper endoscopic care and cleaning.

6:15-8:00 pm  Group Dinner
Day 3: Wednesday, October 16, 2019

Urology/Respiratory

7:45-8:00 am  Shuttle to TMI
8:00-8:30 am  Breakfast / Introduction
8:30–10:00 am  **Discussion:** Respiratory Endoscopy  
**Dr. Lynelle Johnson**  
Participants will learn respiratory endoscopic techniques including bronchoscopy, laryngoscopy and rhinoscopy and normal respiratory anatomy and pathologic findings.

10:00 – 10:15 am  Break

10:15–11:15 am  **Discussion:** Respiratory Endoscopy (continued)  
**Dr. Lynelle Johnson**

11:15 am-12:30 pm  **Lab 4:** Bronchoscopy Models  
**Dr. Lynelle Johnson, Dr. David Twedt, Dr. Craig Webb**  
1. Bronchoscopy technique  
2. Learning bronchoscopic anatomy  
3. Bronchial foreign body removal  
Participants will perform bronchoscopy using models to learn the normal respiratory anatomy.

12:30-1:00 pm  Lunch  
**Sponsored by**

1:00-2:45 pm  **Discussion:** Cystoscopy  
**Dr. Dennis Chew**  
Participants will learn endoscopic techniques for lower urinary system evaluation, normal urinary anatomy and pathology and biopsy techniques and urethral bulking procedures.

2:45-3:00 pm  Break

3:00-4:00 pm  **Discussion:** Cystoscopy (continued)  
**Dr. Dennis Chew**

4:00-5:30 pm  **Lab 5:** Lower Urinary System Examination  
**Dr. Dennis Chew, Dr. David Twedt, Dr. Craig Webb**  
1. Urethroscopy and cystoscopy in cadavers  
2. Urethral bulking procedures  
Participants will learn how to perform urethroscopy and cystoscopy.

6:00-8:30 pm  **Group dinner**
Day 4: Thursday, October 17, 2019

Urology/Respiratory (continued)

7:45-8:00 am  Shuttle to TMI
8:00-8:30 am  Breakfast / Introduction
8:30 am-12:00 pm  Lab 6: Rhinoscopy, Bronchoscopy, Cystoscopy, Urethral Bulking

Dr. Dennis Chew, Dr. Lynelle Johnson, Dr. David Twedt, Dr. Craig Webb

1. Rhinoscopy
2. Bronchoscopy
3. Cystoscopy
4. Urethroscope

Participants will perform rhinoscopy and sinuscopy in canines, perform bronchoscopy and bronchial biopsy and foreign body removal, perform cystoscopy and urethroscopy, perform urethral bulking procedures and laryngoscopy.

Break

12:00-12:45 pm  Lunch
Sponsored by

12:45-5:00 pm  Lab 7: Cystoscopy, Rhinoscopy, Laryngoscopy and Bronchoscopy

Dr. Dennis Chew, Dr. Lynelle Johnson, Dr. David Twedt, Dr. Craig Webb

1. Cystoscopy
2. Rhinoscopy
3. Laryngoscopy
4. Bronchoscopy

Participants will perform rhinoscopy, laryngoscopy and bronchoscopy, urethroscopy and cystoscopy; participants will learn to perform bronchial lavage.

Break

5:00-5:30 pm  Wrap-Up Discussion: Q&A
Dr. Dennis Chew, Dr. Lynelle Johnson, Dr. David Twedt, Dr. Craig Webb

5:30 pm  Course Concludes
6:00-9:00 pm  Group Dinner