

MINIMALLY INVASIVE ABDOMINAL SURGERY

November 5-6, 2021 | Oquendo Center

Day 1

8:00 – 8:20 - **Introduction- Mayhew**

A discussion of the advantages and disadvantages of MIS along with a brief synopsis of the evidence that has been reported in the veterinary literature in support of MIS will be presented.

8:20-9:00 – **Instrumentation in MIS- Singh**

This lecture will discuss the basic equipment required to perform laparoscopic procedures. Components of the endoscopic tower, cannulae, telescopes and instrumentation will be discussed. Minilaparoscopic instrumentation, single-port devices, fine dissection instrumentation and other miscellaneous equipment will be covered.

9:00-9:30 - **Equipment, Sterilization & Personnel - Singh**

This lecture will focus on the major components necessary to make your hospital MIS ready. We will discuss how equipment is handled, stored, and sterilized, and then focus on how to lead your hospital staff and personnel through all MIS procedures.

9:30-10:00 – **Abdominal access- Mayhew**

The relative advantages and disadvantages and evidence base to support the use of the open Hasson approach, veress needle technique and direct optical entry will be compared. Complications and tips and tricks for safe entry will be discussed. Establishment and maintenance of pneumoperitoneum and briefly the anesthetic ramifications of pneumoperitoneum will be discussed.

10:00-10:20 – **Coffee break**

10:20-11:00 – **Hemostatic modalities in minimally invasive surgery – Mayhew**

Application of topical hemostatic agents, use of laparoscopic hemoclips, the use of extracorporeal and intracorporeal sutures and endoscopic knot tying will be presented. A thorough discussion of all available energy-based vessel-sealing devices will also feature in this session.

11:00-11:30 – **Laparoscopic ovariohysterectomy and ovariectomy- Singh**

This session will cover the surgical techniques for single, two-port and three-port techniques for laparoscopic ovariectomy and ovariohysterectomy. Additionally, laparoscopic techniques for the treatment of pyometra and ovarian remnant syndrome will be discussed.

11:30-12:00- **Laparoscopic and laparoscopic-assisted gastropexy-Mayhew**

Discussion of indications and surgical technique

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Viticus Group uses canine and feline cadavers in continuing education laboratories.
The animals used have been humanely euthanized at an animal shelter for reasons unrelated to the educational laboratory.

12:00 -12:30 - **Participant roundtable – Discussion and questions – Mayhew and Singh**

12:30 -1:30 – **Lunch with the instructors**

1:30-5:00 - **Porcine wetlab**

Practice achieving safe and effective access, establishing pneumoperitoneum and exploring the abdominal cavity. Perform laparoscopic ovariectomy/ovariohysterectomy and gastropexy.

5:00 - **Dinner to go**

Day 2

8:00-8:45– **Laparoscopic and laparoscopic-assisted splenectomy-Singh**

Discussion of indications and surgical technique

8:45-9:30 – **Laparoscopic-assisted cystotomy- Singh**

Discussion of indications and surgical technique

9:30-10:15 – **Abdominal organ biopsy and laparoscopic- assisted intestinal resection – Mayhew**

Discussion of indications and surgical technique

10:15- 10:30 – **Coffee break**

10:30-11:00 - **Laparoscopic and laparoscopic-assisted cryptorchidectomy - Mayhew**

Discussion of indications and surgical technique

11:00-11:30 - **Incorporating minimally invasive surgery into your practice structure - Mayhew**

This session will discuss how to incorporate the techniques discussed in the previous lectures into your practices, how to market MIS to your clients and/or referring veterinarians.

11:30-12:00 – **Participant roundtable – Discussion and questions – Mayhew and Singh**

12:00 – 1.00 -**Lunch**

1:00-4:00 - **Canine cadaver wetlab**

Techniques to be practiced: laparoscopic OVE/OVH, laparoscopic gastropexy, laparoscopic cystotomy, liver, kidney, pancreatic, splenic, gastrointestinal biopsies, laparoscopic-assisted splenectomy, laparoscopic-assisted intestinal resection and anastomosis.

4.00 -**Dinner to go**