MINIMALLY INVASIVE SURGERIES

Get your pet on their feet quicker.

Veterinary Medical Center
College of Veterinary Medicine
MICHIGAN STATE UNIVERSITY
Minimally invasive surgery allows for a surgeon to examine the internal structures of the abdomen or chest through a very small incision while using a high-definition video camera. One to two additional small incisions are made to introduce custom-designed instruments to undertake various surgical procedures.

When minimally invasive surgery is performed in the abdomen, it is called laparoscopic surgery. When it is performed in the chest cavity, it is called thoracoscopic surgery.

Once a surgeon has undergone training in minimally invasive surgery, many procedures can be performed without having to make a large incision into the abdomen or chest cavity.

Advantages of minimally invasive surgery over traditional open surgery

- Less post-operative discomfort
- Shorter hospitalization (some procedures are performed on an outpatient basis)
- Lower risk of serious incisional complications

Size of laparoscopic spay incision

| 3/16 inch |
| 1.5-2 inch |

During a laparoscopic spay, two or three tiny 3/16” incisions are made in the abdomen. Laparoscopic gastropexy can also be performed through the same small incisions, which is recommended for breeds that are predisposed to stomach bloat.

Minimally invasive surgeries include:

- Spays
- Gastropexies
- Laparoscopic-assisted intestinal biopsies
- Gallbladder removals
- Chest cavity explorations
- Liver biopsies
- Pericardiectomies
- Lung lobectomies
- Adrenalectomies

Make an appointment for a laparoscopic procedure

Call 517-353-5420

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For more information, visit:

cvm.msu.edu/hospital
cvm.msu.edu/soft-tissue-surgery