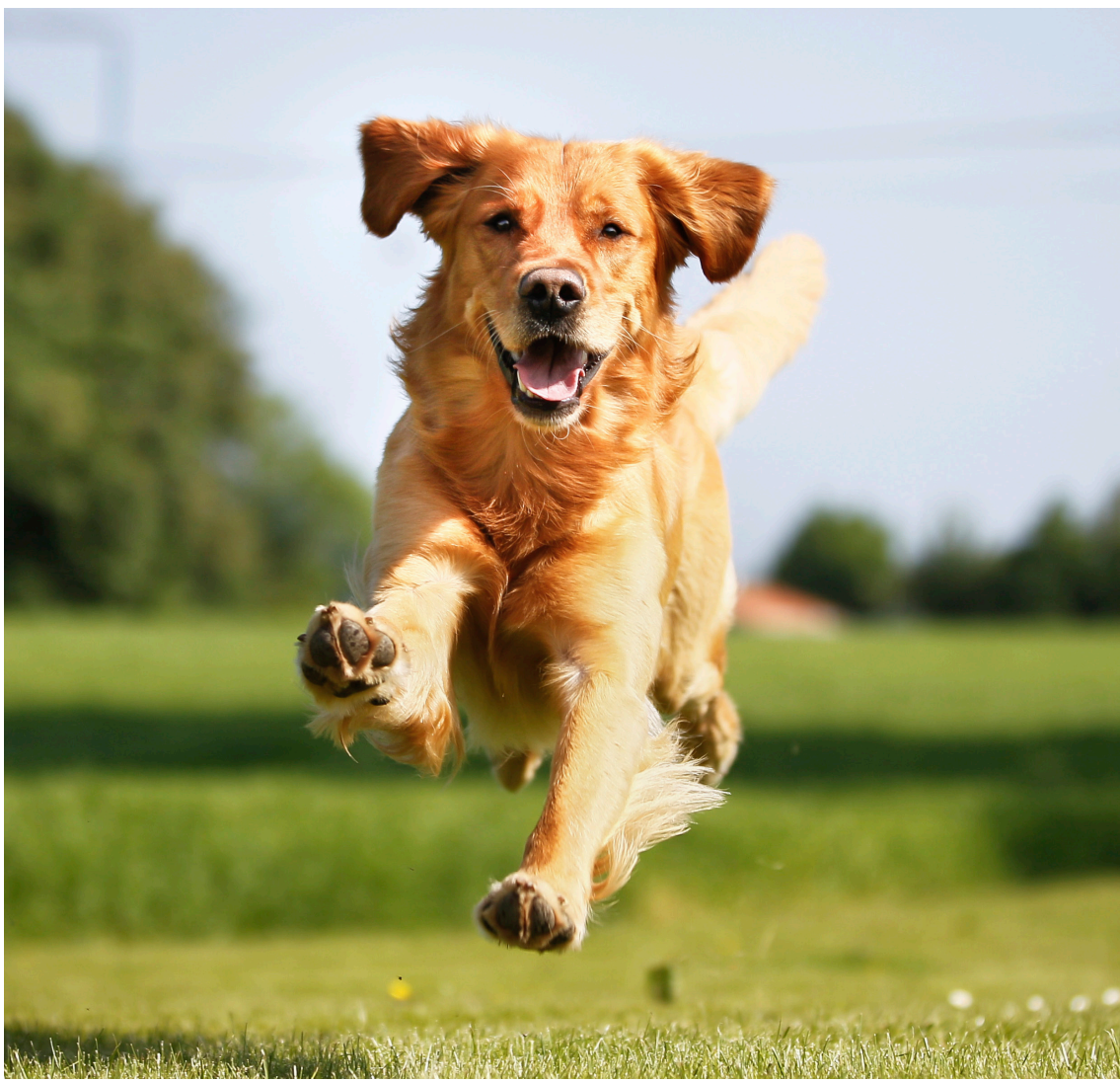




Veterinary Medical Center
College of Veterinary Medicine
MICHIGAN STATE UNIVERSITY

MINIMALLY INVASIVE SURGERIES

Get your pet on their feet quicker.



What is minimally invasive surgery?

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 | ●

Size of traditional
spay incision



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.



Make an appointment
for a **laparoscopic procedure**

Call 517-353-5420

Minimally invasive surgeries include:

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

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