



**ROBOVET**

**MR Imaging and MRI-Guided Robotic Surgical  
Systems for Veterinary Patients**

Revolutionizing the veterinary treatment of animals

# Challenges

## COST AND COMPLEXITY OF EXISTING PRACTICES

- Standard surgical procedures and MRI are expensive for veterinary clients.
- MRI systems and facilities have cost and space needs that are prohibitive for most veterinary practices.
- Radiation treatment for cancer requires referral, is limited in availability, and has side effects.
- Traditional MRI systems are slow and require general anesthesia for veterinary patients.
- Current MRI systems do not adequately accommodate large patients like horses.
- X-ray systems increase employee safety considerations and require governmental oversight.



# Solution

## INNOVATIVE MULTI-FUNCTIONAL NEW MRI TECHNOLOGY



### **Cost and Time Efficient**

The Robovet system costs a fraction of current MRI systems. Proprietary technology allows for faster imaging speed, reducing anesthesia requirements.

### **Economical Size**

A small footprint (34" x 47" x 44") and lightweight (50kg) provide flexibility for installation in almost any hospital or clinic and excellent portability for mobile imaging practices.



### **Safe for Animals and People**

Low-field MRI provides safety for patients and personnel without hazard of ionizing radiation.



### **All Animals Welcome**

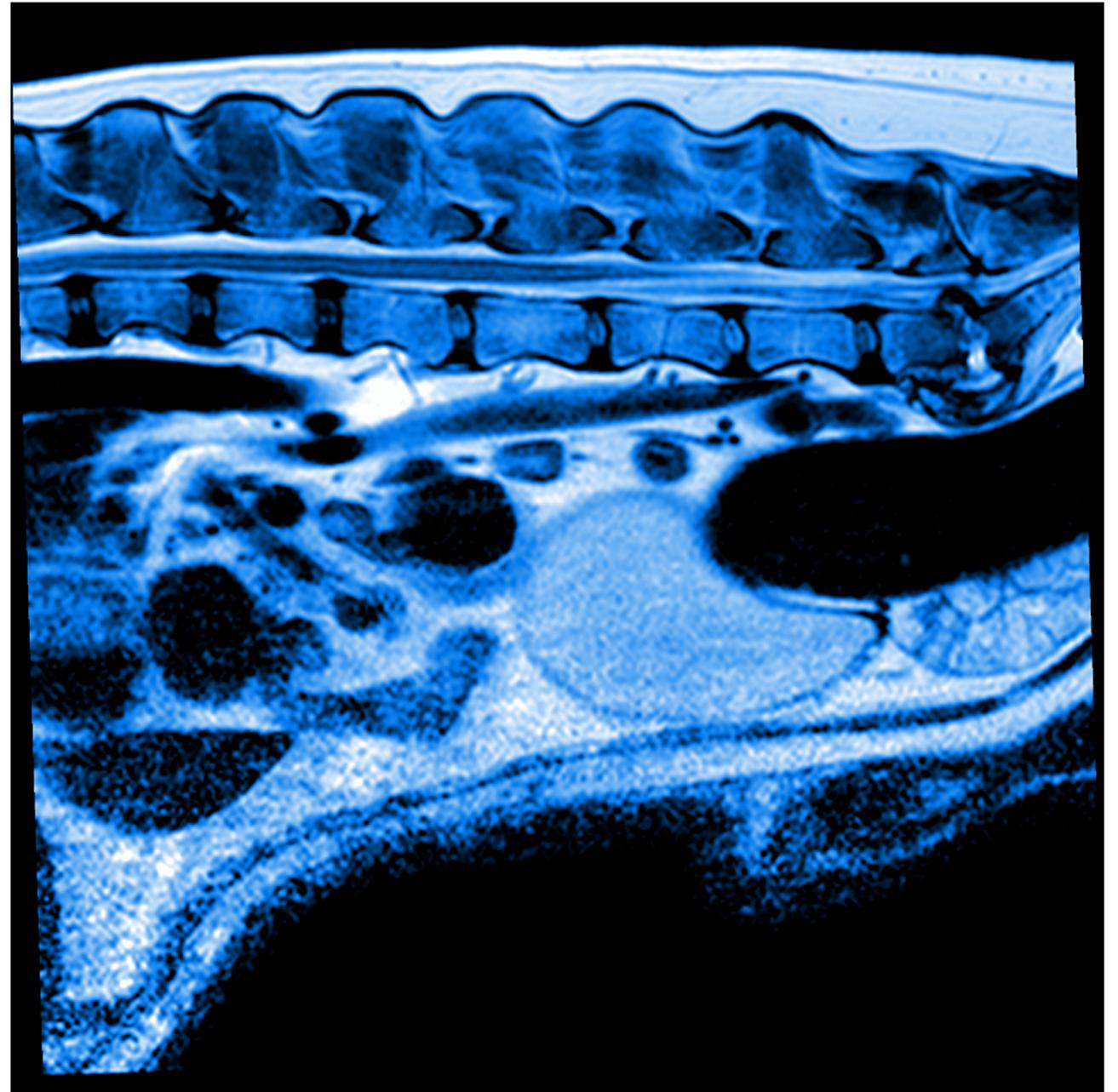
The open system configuration easily accommodates dogs, cats and exotic animal patients, and allows greater freedom imaging large animals like horses.

# Imaging

## STREAMLINED IMAGING EFFICIENCY

- Proprietary system configuration renders high gradients, which provide excellent spatial resolution.
- No cryogenics or special power supplies required.
- Rapid start-up without a long warm-up period like traditional MRI systems.
- Fast imaging speed, thereby reducing patient anesthetic requirements.

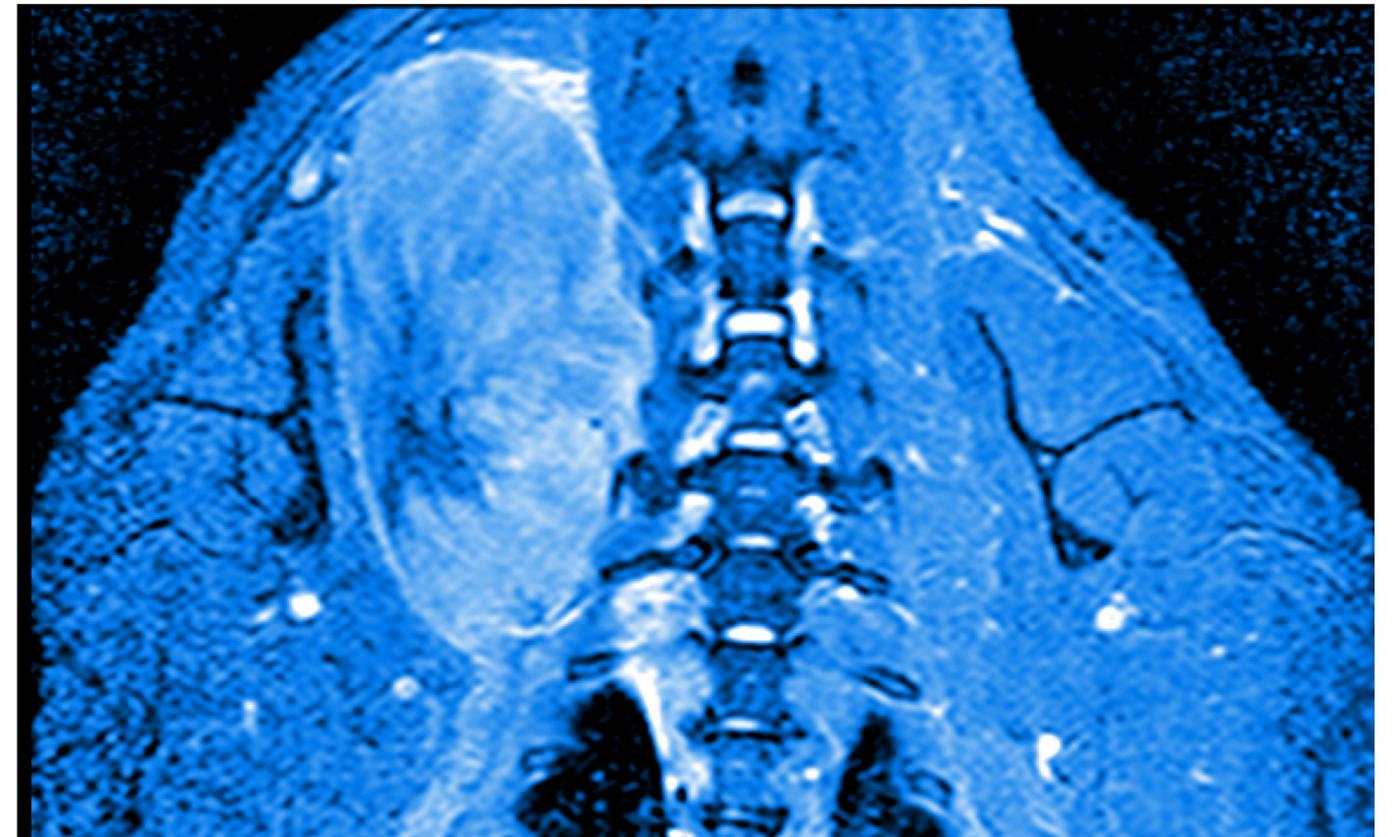
Fast MRI will collect images **during** surgical procedures



# What else is new?

## IMAGE-GUIDED TREATMENT AND ROBOTIC SURGERY

- Equipped for stem cell delivery and manipulation.
- Magnetically control small tools (e.g., needles) capable of tissue penetration during microsurgery.
- Improves integrity of surgical anastomoses.
- Images will be displayed to surgeons in real-time to ensure surgical accuracy.



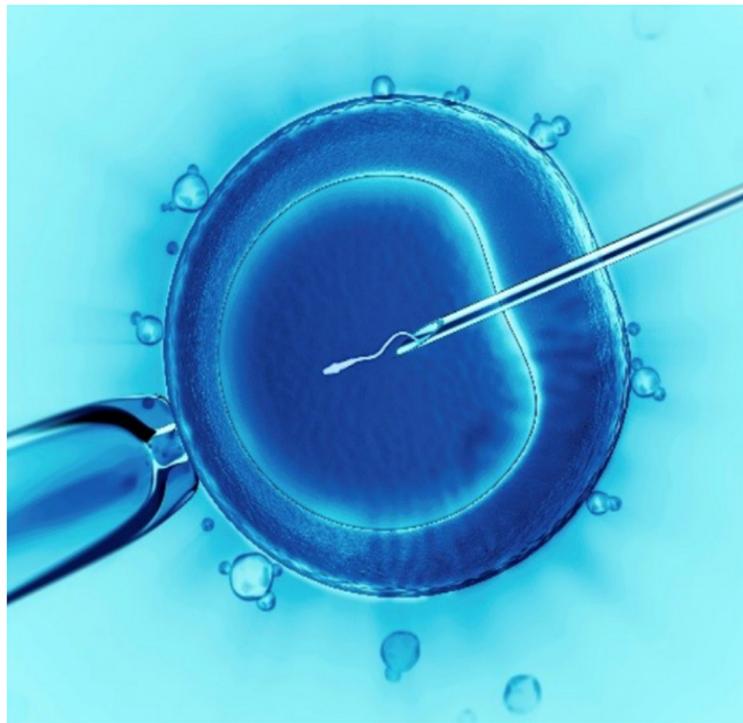
Pushing the boundaries of traditional MRI

# Image-guided Treatment Capability

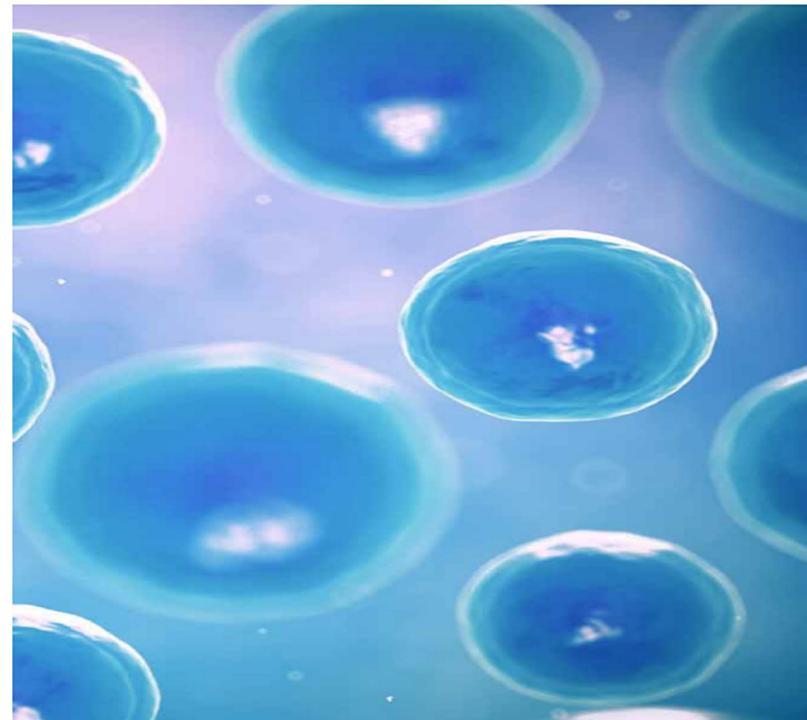
## REVOLUTIONARY TECHNOLOGY FOR THE VETERINARY MARKET

- The future for the treatment of disease in veterinary patients.

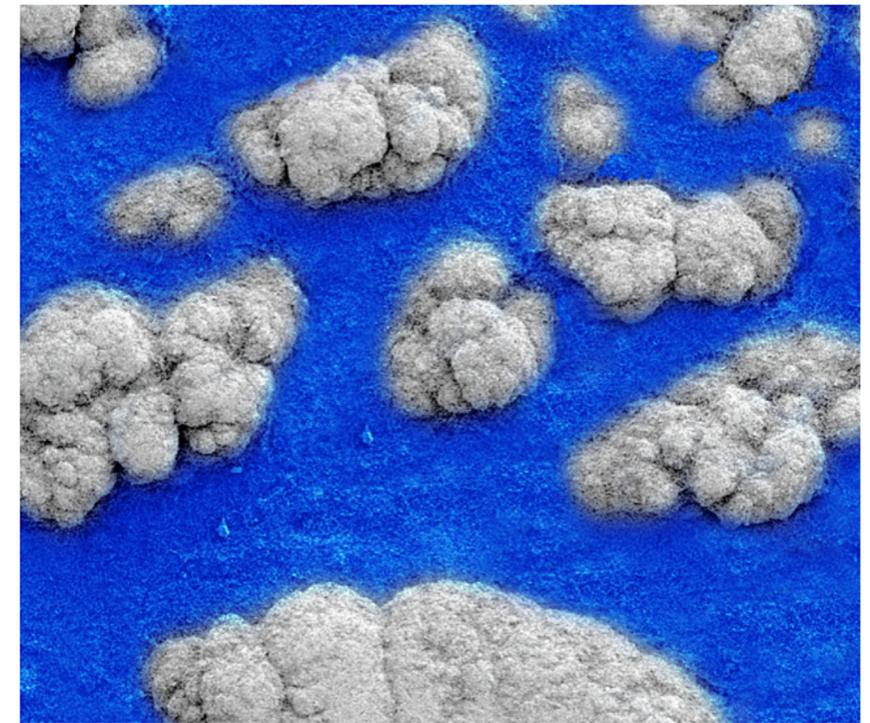
### Microsurgical Tool Manipulation



### Stem Cell Delivery and Manipulation



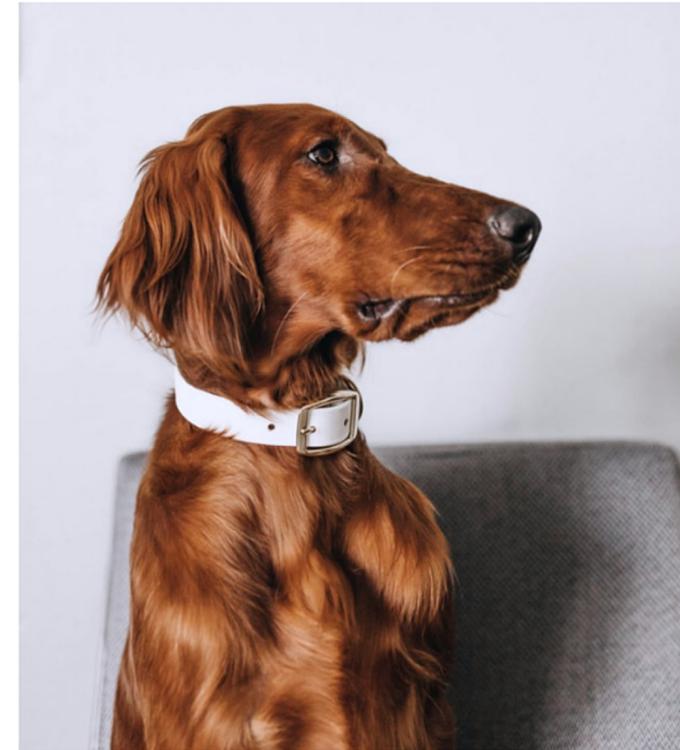
### Treatment of Infectious Disease/Fibrosis



# How we got here

## HARD WORK DOES PAY OFF

- Our team of doctors and scientists LOVE animals and want to change their world.
- Proprietary technology with strong intellectual property
- Ten patents issued in the USA and China.
- 100 patents pending.



Advancing the veterinary treatment of animals

# Business Model

**\$150,000**

**Robovet MRI System**

Base MR imaging unit

**\$10,000**

**Additional Tools**

Cost of goods and accessories  
(e.g. surface coils)

**\$500**

**Image-guided Treatment Kit**

Recurrent revenues from  
custom microsurgical tools  
per procedure

**\$5,000**

**Annual Subscription Fee**

Annual software upgrades  
and maintenance fees

# Veterinary Market



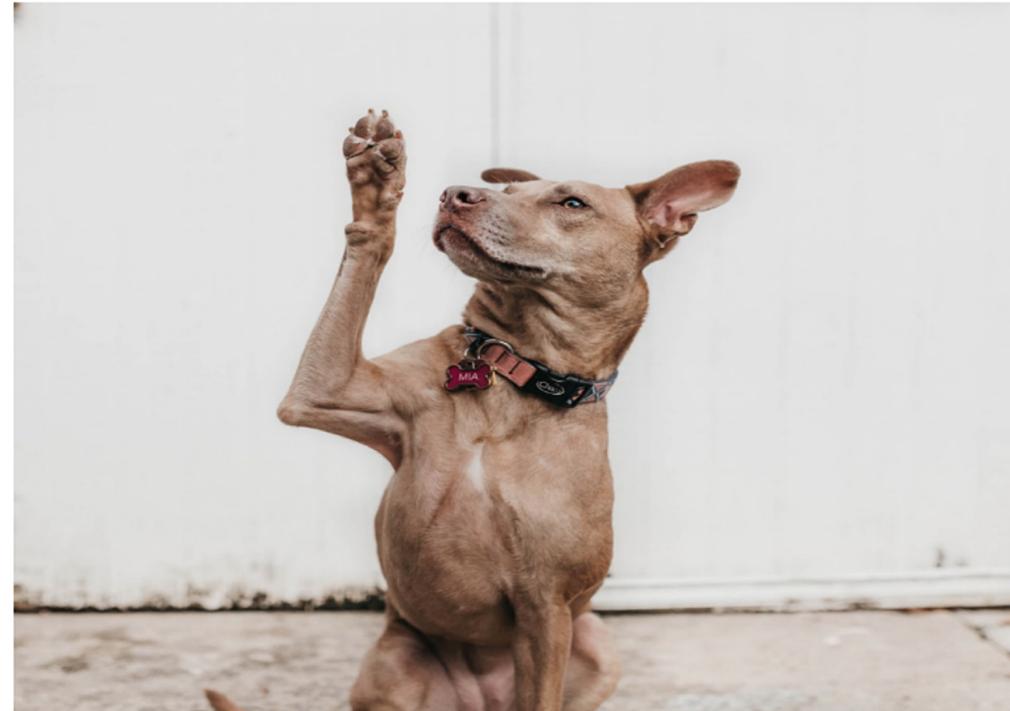
 **42,000+**  
Veterinary Establishments in the  
US, 2020

 **20,600+**  
Estimated US Sites

 **\$3.1 Billion**  
Estimated Addressable US  
Market, 2020

 **500+**  
Academic institutions in the US  
and China

# Market Impact



Less than **one-fourth** the cost of conventional MRI systems

- Robovet Corporation offers advanced imaging technology at a price point that will significantly impact the veterinary market.
- Following the establishment of our imaging units in the veterinary market, our robotic/image-guided treatment kits will provide revolutionary alternatives to conventional surgery that have never before been available to veterinary patients.

# Our core team



**MC Seward, DVM, MS, MBA**

President/CEO

Board-certified veterinary radiologist, research background in image-guided therapy, entrepreneur.



**Elaine Wang, MS, PhD**

Chair

Doctor of biophysics and a MS in Finance. Arranged financing for many medical product companies.



**Irving Weinberg, MD, PhD**

Founder

Radiologist, physicist, serial entrepreneur. Built medical imaging devices used by a million people.



**David Beylin, MS, MBA**

VP Business Development

Developer of equine PET scanner and multiple medical devices.

# Invest in the Future!

**\$1.07M USD**

Meeting this funding goal will enable the completion of a market ready product. Join us on our mission to bring cutting edge veterinary care to animals!





**ROBOVET**

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