

# HeyrexVet™

Extending pet care beyond your hospital door

Wearable technology  
**EXCLUSIVELY** for  
Veterinary Professionals



- Set diet and exercise plans and track calories burned
- Manage cage rest compliance and post-operative recovery
- Monitor sleep quality for pain management
- Identify early signs of pruritus and response to treatment
- Demonstrate efficacy of new treatments to clients
- Grow new revenues for your hospital



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# HeyrexVet™ wearable technology exclusively for Veterinary Professionals

## How HeyrexVet™ works



HeyrexVet™ is wearable technology exclusively for veterinary professionals to manage obesity, track patient recovery from surgery and response to medication, detect changes associated with the early signs of illness and disease and help to improve a pet's quality of life.

Heyrex™ combines wireless technology and its unique 2-year battery life to collect uninterrupted data on a pet's activity and behavior and transmits the data to a cloud-based platform. HeyrexVet™ then analyzes and presents the data to your account, which can be accessed from any web-enabled device, anywhere in the world.

### How would my hospital use it?

The HeyrexVet™ service offers modules to assist in specific veterinary use-case scenarios. These include:

#### Short term therapeutic monitoring

- **Optimize** post-operative recovery and cage rest
- **Manage** your patients' response to treatment

- **Ensure** compliance with vet instructions
- **Monitor** sleep quality for pain management

#### Long term wellness monitoring

- **Set diet** and exercise plans and track calories burned
- **Identify** early signs or lameness and pruritic events
- **Detect** changes in activity and mobility levels
- **Monitor** ongoing behavior modification plans

### Improve care and increase revenue

HeyrexVet™ is a premium veterinary-only service. Using the HeyrexVet™ monitoring service in your hospital will enable you to generate new streams of income while increasing efficacy and compliance. HeyrexVet™ provides a monitoring service while you focus on diagnosis and treatment.

Your hospital will generate new revenue from providing short-term therapeutic and long-term monitoring service and return consults, client retention and increased sales of medication and products.

The HeyrexVet™ interface is globally accessible via the internet, which means that you can access the service whenever and wherever you like.

### Validation of HeyrexVet™

The benefits of Heyrex™ monitors have been proven in a number of research trials around the world where it displayed the capacity to monitor cage rest, compliance, post-operative recovery, exercise management, skin allergies, mobility and response to treatment.

HeyrexVet™ has been tested extensively by veterinary professionals, proven in clinical trials and is being used by Veterinary Professionals and researchers around the world including Midwest Veterinary Services, Kansas, USA, the Institute of Veterinary, Animal and Biomedical Sciences at Massey University, New Zealand.

### HeyrexVet™ requires minimal resource

HeyrexVet™ displays and collects data from your patients 24/7, so you do not have to commit additional resource to managing the service. HeyrexVet™ notifies you when there is a change that requires your attention. HeyrexVet™ will report on changes in weight and exercise management goals, cage rest, pruritic events, sleep disturbances, mobility and more.

Notifications are emailed daily in a summary format so that you can choose when to check on your patients' treatment.

There is a diary function as part of the Heyrex™ software that generates a chronology of the patient's history and allows clients to enter comments that may be useful feedback for the treatment process eg. administration of medicine, food and water intake, or bowel movements, etc.

## What does the pet owner see?

The pet owner can also access their pet's data using a separate Heyrex™ interface and login designed to meet the separate

needs of the pet owner. This includes the diary function which enables the pet owner to participate in the treatment process prescribed by your hospital, helping to improve compliance.

## How does my hospital start using Heyrex™?

To start using HeyrexVet™ there are two simple steps.

- **Step 1** – Register your hospital using the online portal.
- **Step 2** – Choose the number of Heyrex™ monitors that you would like to begin with.

Heyrex™ provides you and your team with training and simple 'user guide' modules so you can begin to use your Heyrex™ service straight away as well as offering technical support to all Heyrex™ licensed hospitals.



### MidWest Veterinary Services, Nebraska

"HeyrexVet™ was selected to be the wearable technology of choice by Midwest Veterinary Services, a leading contract research organisation in the U.S.A.

Analyzing, understanding, and accurately interpreting animal behavior is undeniably one of the most important, yet difficult skills to perfect for those involved in animal health, welfare, and veterinary medicine and research. A select few come by these skills naturally, but for most, it may take years to develop and refine. Heyrex's technology allows anyone regardless of their expertise, to monitor and access critical aspects of animal activity and behavior in an objective and precise manner that significantly removes human error and observation bias. As a research, this technology is an invaluable tool which allows me to evaluate the response of animals to interventions such as pain medications and surgical procedures in almost any environment, in a continuum, and in a minimally invasive manner."

**D.J. Rezac**, MSc, PhD – Epidemiologist and Animal Welfare Expert

### Massey University Veterinary School, New Zealand

Excerpt of written testimony of product efficacy, value of data as well as ongoing use of HeyrexVet for clinical trials. Dr Nick Cave:

"We have used the Heyrex™ collar in several studies to date, with a diverse range of objectives. We have measured the amount of work performed by farm dogs fed different diets, we have monitored spontaneous activity of cats fed dry and wet diets, we have used the collars to quantify the efficacy of non-steroidal treatment in arthritic dogs, and we have compared video traces of normal and lame gaits with the traces recorded by the collars. We are currently validating the data produced by the collar against conventional measures of energy expenditure to determine if the collars can be used to measure energy expenditure over long periods of time in active dogs – something of a dream application for nutritionists and anyone interested in exercise and performance. In all of these applications, we have found the collar has performed exactly as desired."

"A vital component to the use of such devices in research, and especially in the clinic, is ease of use. The plug-and-play concept of Heyrex™ expunges any concerns for complexity, and the on-line graphical interface is easy to access and use, and meaningfully informative."

### Affiliated Animal Care, Virginia Beach – Specialist Veterinary Surgery

Has used more than 100 Heyrex™ monitors for post surgical care and pet owner compliance.

"We have been using HeyrexVet™ to monitor our patient's response to treatment and recovery from surgery, and it has proven absolutely invaluable. Using Heyrex™ means that we can essentially manage our patients even when they're recovering at home, and ensure that clients comply with our post-operative and treatment guidelines. This means that every patient we treat is receiving the absolute highest standard of care, resulting in optimal recovery for our patients while improving our hospital's reputation."

**Dr. Tony Puglisi**, BS, MS, DVM, DACVS. Boarded in Surgery, Virginia Beach Veterinary Surgery, U.S.A.

### Animal Physiotherapist

"As a physiotherapist, using Heyrex allows me to monitor my patients' activity remotely and to assess their response following treatments. The diary function also helps by making it easy for owners to record relevant information between visits."

**Elena Saltis**, Certified Canine Rehabilitation Therapist, Animal Physiotherapist, New Zealand



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# The technology behind Heyrex™

## HeyrexVet™

### Extending pet care beyond your hospital door

HeyrexVet™ was developed by scientists, veterinarians and engineers to be ergonomic, portable, light, robust and waterproof. The Heyrex™ monitor attaches to a pet's collar, records activity and transmits it via the receiver to the Heyrex™ server. HeyrexVet™ software then uses a series of complex algorithms to analyze the real-time data it collects and presents this data as a series of infographics that can be viewed via your HeyrexVet™ login to help in providing veterinary care.



2 year battery life for uninterrupted data.

The biosensor monitor contains tiny motion sensors that track the activities and behavior of the patient.

Waterproof.

Patient data and information is sent using the Heyrex receiver.

PC, Mac and Linux compatible.

Fits most dog collars. Pack includes an adaptor for large collars.

2 year battery life

Modules for hospital use-cases

Uninterrupted data collection

Used by universities, researchers and veterinary professionals

Waterproof

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