

## Expanding scientific knowledge

- One of our main areas of study is the investigation of lameness and poor performance relevant to the sport horse industry.
- We have a track record of developing vaccines and diagnostic tests.
- We conduct epidemiological research into patterns of disease in populations of horses, and this provides scientific information which can be used to develop new treatments as well as to establish management practices.
- Our disease surveillance programmes identify viruses obtained from disease outbreaks throughout the world. We then advise manufacturers on the most appropriate strains for vaccines, in order to keep them effective.
- All new information is fed back to the veterinary profession through publications, lectures, continuing education programmes or direct communication.
- On average, we publish over 100 papers per year in scientifically peer reviewed journals
- We have strong collaborative links with research scientists at an international level
- We provide a range of training opportunities for post graduate veterinary surgeons wishing to specialise in particular disciplines.

The ultimate aim of AHT Equine is to improve our understanding of disease and injury in the horse and share our acquired knowledge with the veterinary profession as a whole.

We play a major role in the validation and clinical application of new technology, using our specialised caseload to establish a scientific and clinical database for use by equine practices.

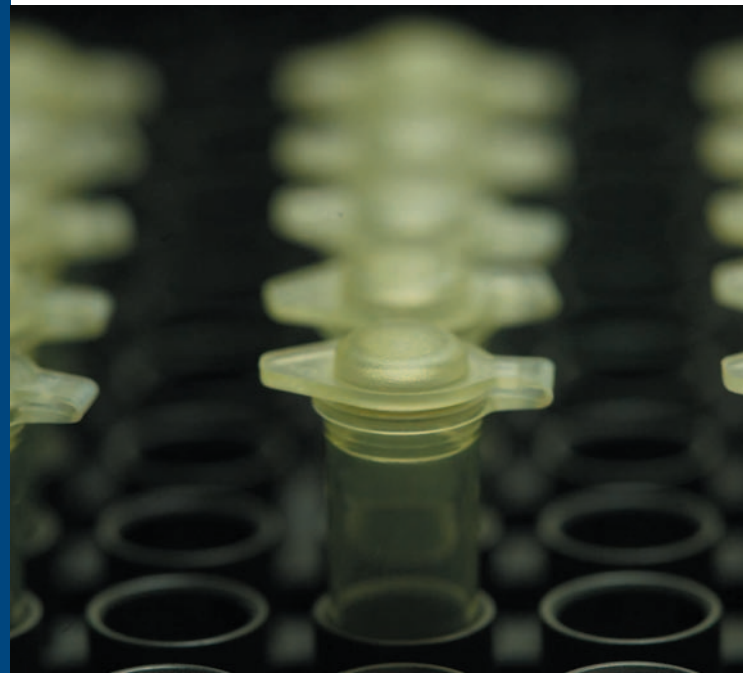
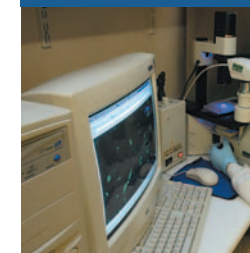
## AHT Equine Scientific excellence Clinical care



*The Animal Health Trust is a registered charity which receives no core income from the Government and is heavily dependent on charitable donations. It has a long history of first class equine research as well as clinical and diagnostic services.*

**AHT Equine** is internationally recognised for its:

- Expertise
- Facilities
- Laboratory diagnostic capabilities
- Scientific knowledge



### Animal Health Trust

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Animal Health Trust



## Expertise

Our equine clinicians offer specialist referral services in equine orthopaedics, performance evaluation, ophthalmology and oncology. They have a world wide reputation for excellence and many of them hold internationally recognised qualifications in orthopaedics, surgery, anaesthesia or ophthalmology.

Lameness is the most commonly reported health problem in ridden horses and we specialise in the detailed investigation of previously undiagnosed lameness. Two of our orthopaedic specialists, Drs Sue Dyson and Rachel Murray, are also high level competition riders. This has helped them to gain their in-depth knowledge of conditions which are associated with particular sports disciplines.

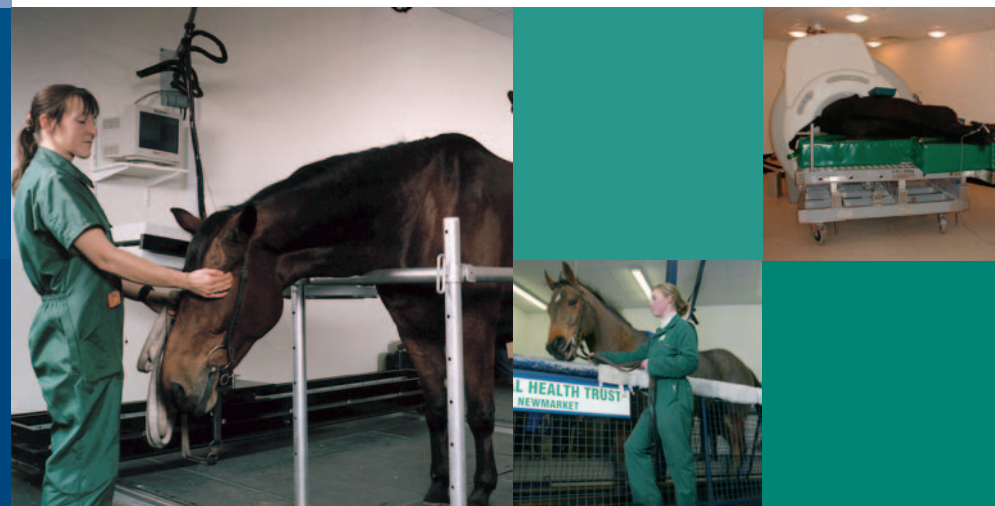
Cases are referred to AHT Equine by veterinary surgeons throughout the UK and Europe.

The Trust is a renowned authority on the prevention, diagnosis, treatment and management of equine infectious diseases, including influenza, strangles, equine herpesvirus and equine viral arteritis. It also has an active research programme into the prevalence, causes and prevention of grass sickness.

The Animal Health Trust is unique in its total integration of scientific research and clinical acumen. Our research teams benefit greatly from the cases that are referred to the clinics; and our veterinary clinicians are always able to apply the latest research findings to their caseload.

## Facilities

The Animal Health Trust is situated on 140 acres just outside Newmarket in Suffolk. Our purpose built facilities include the most sophisticated technology and equipment available. This requires a constant programme of updating and replacement and is a primary focus of our fundraising activities:



## AHT Equine can offer the following:

- Magnetic Resonance Imaging (we are the only facility in the world with high field AND standing MRI available for clinical use)
- Nuclear scintigraphy (bone scanning)
- Ultrasound
- High Speed Treadmill
- Top quality trot up surface – specially designed for the Animal Health Trust
- Extensive grazing and in-patient facilities
- A suite of laboratories for rapid diagnostic testing and reporting
- Digital radiography
- Fully equipped operating theatre
- Geltrack Arena installed by Charles Britton

In addition to our clinical referral service, veterinary practitioners can, following discussion with our clinicians, send cases to AHT Equine for MRI to enhance their own diagnostic capabilities. In this event, reports will be provided within 24 hours.

We have one of the most sophisticated contained environment facilities for veterinary research in Europe. Built as part of our commitment to the control of infectious diseases, it complies with ACDP Category 3.



## Diagnostic Capabilities

We provide a specialist laboratory diagnostic service which includes comprehensive pathology, genetic, microbiology and virology services. Our multidisciplinary diagnostics team delivers a high quality and rapid service and our routine practices conform to national standards including ISO 9001.

The veterinary profession has access not only to our comprehensive laboratory services, but also to rapid-response telephone advice from the Trust's vets and epidemiologists.

We have a highly specialised genetics team who, in addition to routine parentage testing, have a particular interest in identifying the specific genes associated with inherited conditions. As a result of their research, we hope to be able to offer DNA screening tests for a growing number of inherited traits in horses.

*These tests will enable breeders to identify those animals which may be susceptible to particular conditions, and to train or manage them in the most appropriate manner to minimise the risk.*