

NEH
NEWMARKET EQUINE HOSPITAL

**Welcome to
Newmarket
Equine Hospital**

newmarketequinehospital.com

NEH at a glance

NEH is an independent RCVS accredited tier three specialist equine hospital, providing first opinion and referral services for horses throughout the UK and internationally.

The hospital has a rich history dating back to 1912. The practice was situated on the high street in Newmarket from its inception until moving to our current purpose-built premises on the outskirts of town in 2008.

The team at NEH has now grown to over 46 veterinary surgeons spanning the hospital and practice, supported by our wider team of veterinary nurses, laboratory technicians, imaging technicians, yard staff, ambulatory veterinary technicians and administrative and accounting staff.

The hospital provides multidisciplinary specialist services. The hospital team consists of RCVS and European recognised veterinary specialists with a wealth of clinical experience in surgery, medicine, diagnostic imaging, anaesthesia and sports medicine and rehabilitation. With the benefits of a first-class purpose-built hospital and top of the range equipment, our team provides innovative specialist care for horses.

The practice is the ambulatory part of Newmarket Equine Hospital. With a team of over 25 veterinary surgeons, we provide a personal and professional service to owners, trainers and breeders across all equine disciplines. Our Thoroughbred vets provide veterinary attention to many of the breeding farms and racing yards in and around

Newmarket. We have a team of vets dedicated to sports and leisure horses, providing a high quality and personalised service, catering for high end competition horses through to your much-loved horses, ponies or donkeys.





85

Stables

2

Operating
Theatres

Facilities

NEH is a purpose-built facility that was completed in 2008. There are 64 stables for in-patients undergoing routine investigations and treatment, split evenly between individual stable rows and American barns. In our advanced imaging suite, there are a further 10 stables for horses undergoing scintigraphy and MRI examinations. Horses requiring intensive treatment and care are looked after in our dedicated ICU, with six enclosed stables, all with heating and video-monitoring. In addition there is a separate foal ICU and isolation facilities with four stables.

The lameness investigation area includes two dedicated trot-ups, an outdoor school for ridden examinations, and both hard and soft lunge pens.

Our diagnostic imaging facilities include two dedicated radiography suites, scintigraphy and MRI.

Our surgical suite houses two theatres and four anaesthetic induction and recovery boxes, separated by a dedicated prep area, to facilitate

the busy surgical lists. The theatre complex is maintained as a closed environment from the rest of the hospital with strict protocols to maintain the highest levels of cleanliness and surgical asepsis. There is positive pressure ventilation in both theatres, which are equipped with the latest anaesthetic equipment, piped gases and medical air, and state of the art surgical equipment including two HD digital arthroscopy towers, a full range of AO/ASIF equipment for internal fixation, digital image viewing facilities, digital radiography and a lightweight portable CT scanner. We are the only hospital in Europe to operate a portable in-theatre CT scanner, that allows us to perform approximately 150 CT guided fracture repairs each year.

There is a fully functional and equipped laboratory on site catering to the needs of our vets, which includes microbiology services, cytology, endocrinology testing and PCR testing for both respiratory and reproductive diseases.

Surgery and anaesthesia

Orthopaedic surgery

Orthopaedic surgery is the largest surgical discipline at NEH and concerns principally joints and bones with the most common procedures including arthroscopic surgery and fracture repair.

The hospital repairs approximately 150 fractures each year. The majority are performed under general anaesthesia, but more simple fractures are repaired standing, under sedation and local anaesthesia. Over the past two decades NEH has refined techniques in fracture repair, with major advances coming from arthroscopic guided repair of fractures involving joints, and CT assisted surgery.

Arthroscopic surgery is a form of keyhole surgery, used extensively to operate on the joints, tendon sheaths and bursae of the horse. The minimally invasive nature results in minimal patient discomfort, shorter recovery periods and simple post-operative care and rehabilitation programmes.

Soft Tissue Surgery

The major disciplines in equine soft tissue surgery are abdominal surgery and airway surgery. Other common types of soft tissue surgery include urogenital surgery, and cutaneous (skin) tumour removal.

Colic is one of the most common surgical emergencies in the horse, and success revolves around a highly trained rapid response team. Following surgery, patients are often critically ill and all necessary care is provided in our intensive care facility.

Breathing problems are common in the athletic horse and limiting to performance. Accurate diagnosis is critical to successful surgery. NEH has been at the forefront of dynamic assessment of the equine upper airway with overground endoscopy, which allows assessment as the horse works.

Our surgeons have extensive experience from their collective years working with the high caseload at NEH. They are backed up by a similarly experienced team of veterinary nurses whose knowledge and efficiency in theatre are invaluable to its smooth running.

Anaesthesia

Our anaesthetic team is led by specialists, and provides the highest standard of anaesthesia, analgesia and intra-operative care in our equine patients. In order to achieve this, we use modern anaesthetic machines and monitoring equipment and the most up to date anaesthetic techniques available.

Our anaesthesia department is run by a team of four Diplomate anaesthetists who are specialists in anaesthesia and analgesia and have extensive experience of anaesthetising complex cases. They also provide the training for our intern veterinary surgeons.





Internal medicine

Conditions treated by our internal medicine team include diseases of the airways, heart, digestive tract, liver, kidneys and nervous system.

Our team of veterinary surgeons, nurse and yard staff provide around the clock care in our intensive care unit. ICU consists of six individual stables with a central working area for observation, preparation of medications and record keeping. Each stable is individually heated and is fitted with CCTV for monitoring of critical cases, such as post-operative colics.

For cases with infectious diseases, treatment can be provided in our separate isolation unit.

The on-site laboratory enables rapid results from blood and other diagnostic tests.

Diagnostic imaging

Diagnostic imaging is a term used to describe methods which allow us to visualise structures and activities inside the body.

At NEH we have an extensive range of portable and hospital based diagnostic imaging equipment. These include radiography, ultrasonography, nuclear scintigraphy, computed tomography and magnetic resonance imaging.

Each imaging modality provides different diagnostic information and they can be used individually or in combination to help us identify the cause of clinical problems.

Many problems are effectively investigated by our practice vets, at the horse's own yard or stud, using our portable digital radiography and ultrasonography equipment. For more in-depth investigations, or more difficult to image areas, patients are brought into the hospital where we have the most up-to date and advanced imaging equipment.

Our specialists at NEH utilise their wealth of experience to select the most appropriate diagnostic imaging techniques for each case, enhancing the likelihood of achieving an accurate diagnosis.



Lameness

Lameness is one of the most common causes of poor performance and time off work. Varying severities of lameness are common in all types of horse, ranging from obvious at walk, through to much more subtle signs. The priority in all cases is to identify and treat the underlying cause.

First steps in investigation are often performed out at the horse's own yard, and in many cases a diagnosis can quickly be achieved through a combination of careful clinical examination, nerve blocks and use of our high quality portable diagnostic imaging equipment.

For more complicated cases, horses and ponies are referred to the hospital where our specialists will

undergo a thorough clinical evaluation including observation at the walk and trot, lunged on both soft and hard surfaces and, when appropriate, a ridden assessment. In-depth investigations using combinations of nerve blocks, routine and advanced diagnostic imaging techniques such as radiography, ultrasound, scintigraphy and MRI scanning, are used to characterise the cause of lameness fully.

Our specialists have a wealth of expertise and clinical experience, and the most advanced diagnostic imaging equipment at their disposal to get to the bottom of the cause of your horse's lameness.



Thoroughbred stables, racing, and sales work

Routine Stables Work

The racing vets at NEH provide care for over half the horses in training in Newmarket. From young trainers starting out to those with multiple group 1s under their belts – the racing team are an integral part of the yards that they work in. By offering a small team approach with a personalised service to every trainer – we can work together to optimise safety and performance for horses under your care.

Racecourse cover

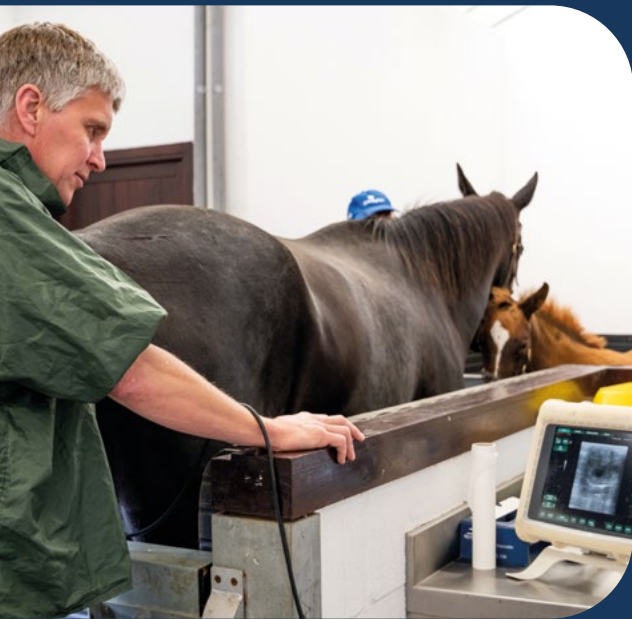
NEH provides the veterinary cover to all the Newmarket Racecourse meetings, as well as many point to points across the area. Our vets are all qualified with the Association of Racecourse Veterinary Surgeons and are equipped to provide a top-quality service to all horses on course.

Sales work

A team of experienced sales vets provide both vendor and purchaser services both privately and at all the major European Sales and many in the USA. From pre-sale health check requirements, imaging and pre-purchase exams – we offer a full spectrum of sales related services.

We are the veterinary advisors to Tattersalls, Newmarket and have a dedicated sales office at Tattersalls which is open throughout the sales periods.





Breeding services

NEH and its predecessors have been providing reproductive care to Newmarket Thoroughbreds for over 100 years. Our team of stud vets provide comprehensive reproductive and stud medicine services for stud farms in Newmarket and further afield and are backed up by our hospital facilities and specialists in surgery and internal medicine.

The laboratory at NEH is HBLB-approved and provides reproductive PCR testing for contagious equine metritis (CEM) and both EVA and EIA serology.

Routine Stud Work

Providing a seven-day-a-week service throughout the breeding season, our stud vets work in teams tailored to the needs of each individual client. Working as an integral part of the farms, our experienced vets perform routine gynaecological exams and pregnancy examinations and provide any treatments as required for both mares and foals.

In addition to their routine work, our team of stud vets have a wealth of clinical experience between them, and offer expertise with artificial insemination, embryo transfer, foetal sexing, mare infertility investigations and stallion breeding examinations.

Dystocia

Dystocia is a critically time sensitive condition, describing various causes of difficult foalings. The condition is life-threatening for both the mare and foal. There is no time to waste, and a multidisciplinary rapid response team is on-hand 24/7 at NEH ready to deal with mares with dystocia. Upon arriving at the hospital, the team will get to work immediately. Whilst the surgeon makes an

initial assessment, the team will prepare the mare for general anaesthesia and surgery so that no time is wasted if either is necessary. Most mares presenting to the hospital will be anaesthetised and attempts made to deliver the foal. If progress cannot quickly be made, progression to surgery follows for caesarean section. Once the foal is delivered the medicine team will work to revive the foal and further assess requirements for ongoing treatment and care.

Neonatal intensive care

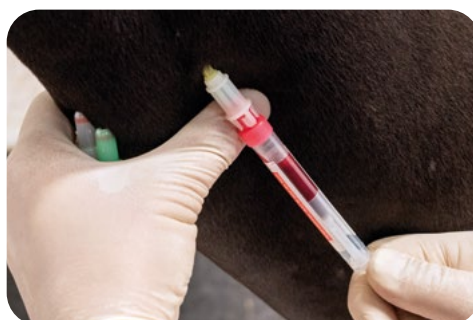
Common diseases of the neonate include Neonatal Maladjustment Syndrome, sepsis, prematurity, colic, diarrhoea and neonatal isoerythrolysis. Our team are able to provide a high level of care to sick foals out on the stud, but if more intensive treatment and care is needed, patients are referred to our internal medicine specialists in the hospital. Neonatal intensive care is provided in ICU in our mare and foal ICU stables, with pop-up pens to separate the foal for treatment as necessary. We also have a dedicated foal intensive care unit separate to ICU for treatment of foals with possible infectious diseases.

Export work and international travel services

Newmarket Equine Hospital has a dedicated shipping department including vets and secretaries who are specialists in organising pre-export examinations and testing schedules to comply with the differing import requirements to enable horses to travel to countries all around the world.

We work closely with shipping agencies to co-ordinate the veterinary requirements. Many of our practice vets are official veterinarians registered to work on behalf of the APHA.

Alongside our services in export work, we provide vets to fly horses around the world. Whether for competition, racing or breeding reasons we have experienced flight vets who can ensure your horse arrives in optimal condition.





Sports and Leisure

Our Sport and Leisure vets provide a high quality and personalised service to the whole equine community from high end competition horses to your much-loved horses, ponies or donkeys. We also provide on-site veterinary cover for a wide range of equestrian competitions and events. We routinely cover a wide area of East Anglia and travel throughout the UK and abroad on request.

General health and wellbeing

Prevention is better than cure for all aspects of veterinary medicine. Routine dentistry, health checks, faecal worm-egg counts and vaccination will allow issues to be identified early, preventing development of more serious problems.

Dentistry

Our experienced team of sports and leisure vets use a combination of hand-held and motorised dental equipment for routine dental floating and overgrowth reductions. For more complex procedures or in-depth investigations, our hospital based specialists are on hand to take on extractions, diastema widening, endodontic therapy and other specialist procedures.

Pre-purchase vetting

The pre-purchase vetting provides purchasers with a veterinary opinion of the horse's suitability for its intended use. The certificate issued can also be used when obtaining insurance cover. All pre-purchase examinations comply to the standards issued by the Royal College of Veterinary Surgeons and the British Equine Veterinary Association. Additional procedures such as radiographs, ultrasound scans, endoscopy and blood testing may be performed at the request of the purchaser. We recommend that a blood sample is taken at the time of the vetting to detect any undeclared drugs that the horse may have in its system.

Laboratory services

Newmarket Equine Hospital Laboratory offers an extensive range of in-house clinical pathology services to aid equine vets in the diagnosis and treatment of clinical disease and as part of routine health and preventative medicine programmes.

The NEH Laboratory is run by a team of laboratory technicians with support from our Internal Medicine specialists. The team are always happy to discuss sample submission, sampling requirements, and interpretation of results. We are part of the BEVA lab registration scheme allowing us to provide official BEVA certificates for results.

Services offered include:

- Haematology and biochemistry
- Cytology
- Microbiology
- Endocrine testing – progesterone, ACTH and insulin blood testing
- Breeding – reproductive PCR testing for CEM, serology for EVA and EIA
- Dermatology – skin scrapes, hair plucks, bacteriology
- Parasitology – faecal worm egg counts and worm egg reduction tests
- PCR – EHV 1 + 4, Equine Influenza and Strep Equi





Associated Practices

At a time when many equine practices have been bought by large corporations, NEH has remained proudly independent. We believe this allows us to continue our legacy of comprehensive, dedicated and personalised care to our clients. As part of this professional culture, we have recently formed close associations with a number of like-minded practices in the UK, Ireland and France.

Berkshire Equine (BE), set up by Simon and Jamie Knapp in 2019, provides veterinary services to some of the best Thoroughbred trainers in the country, and the practice is strong in sports horse and stud work in Berkshire and the wider area.

NEH Chantilly has been formed in an exciting collaboration with Lucile Falque and covers racing trainers in the heart of French racing.

Sycamore Lodge Equine Hospital and NEH formed an association in 2022 as NEH partner Paul Ormond relocated to Ireland and joined forces with their team. Sycamore Lodge Equine Hospital is a well-established practice on The Curragh providing first class veterinary care to both Thoroughbreds and non-Thoroughbred clients.

NEH Cotswolds is our latest associate practice, established in 2023, providing high quality veterinary services to sports horses and Thoroughbred racehorses in the Cotswolds.

Caseload

NEH is a busy equine referral hospital with a high surgical caseload. In 2023, 2565 horses were admitted to the clinic and of these 992 underwent surgery.

Total hospital admissions	2565
Radiographic examination	1567
Ultrasonographic examinations	742
Scintigraphy examinations	220
MRI	157
CT	194
Total surgery numbers	992
General anaesthesia	690
Standing	302





Orthopaedic surgery is a particular strength at the hospital, with arthroscopy, tenoscopy and fracture repair the most common procedures performed. A breakdown of our surgical caseload is shown below.

Breakdown of surgery cases (under general anaesthesia):



Arthroscopy & tenoscopy	231
Fracture repair (including arthroscopic)	124
Other orthopaedic	287
Respiratory	133
Colic	40
Gynaecological	72
Other soft tissues	102
TVEC	2

In addition the hospital treats many horses with colic, and during the stud season there is a busy caseload of peri-parturient mares with colic and dystocia, and neonatal foals requiring intensive care.

The hospital cases are made up of approximately 50% Thoroughbreds and 50% sports and leisure horses from elsewhere in the country.

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