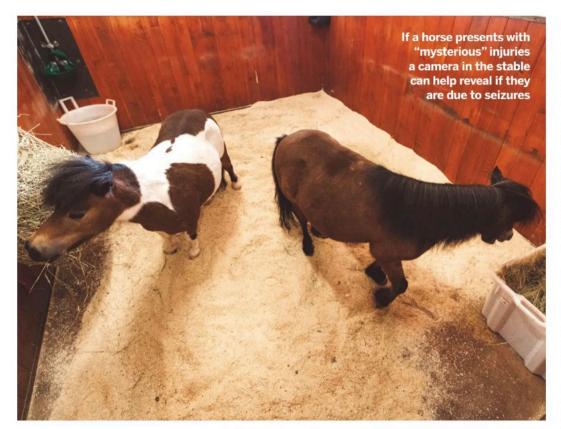
HORSE&HOUND

VET CLINIC



"It becomes a safety issue for riders and handlers, and it's also potentially a welfare issue for the animal because they can seriously hurt themselves while having a seizure," says Richard. "In severe cases, I've seen them fracture bones in their legs and if they fall, they can damage the eye that's against the ground."

Sometimes, it's a series of unexplained injuries that points Richard towards a possible diagnosis of seizures: "Quite commonly, these horses have histories of being found with cuts on them and then later it becomes obvious that it's because they've been having seizures. It's quite useful in these situations to set up video cameras in their stables.'

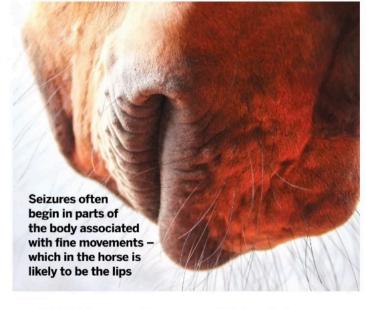
WHY DOES IT HAPPEN?

THE cause of a seizure is usually unknown.

"If the seizures are repeated and manifest in the same way, that tells you that there is a localised region of the brain that has some abnormality," says Richard. "But why that particular region might be like that, who knows."

Richard has noticed one common theme in the cases he's seen - the age of the horse.

"They're usually 10 years plus, which suggests it's



more likely to be a secondary issue rather than inherited." Although there is an exception to that: "It is seen occasionally in very young Arabian foals, but they typically grow out of it."

When presented with a case, Richard starts with a thorough physical and neurological examination.

"Often blood tests, sometimes cerebrospinal fluid. Sometimes we'll anaesthetise the horse for an MRI scan, but that's very expensive. The problem is that most of the tests come back normal. Only on very rare occasions might

you detect an obvious cause like a tumour."

Other possibilities range from an injury to inflammation or recent viral infection.

"The same is true in dogs and many humans," Richard points out, "so it's perhaps not surprising we don't get to the bottom of it in horses either."

WHAT CAN BE DONE?

RICHARD advises thinking carefully about how much investigating to do.

'You're looking at several thousand pounds that could have been spent on treatment instead. If the tests come back as normal, and the horse is still having seizures, then the vet's role is to advise the owner appropriately about the tricky decisions ahead.

"If the seizures are very mild and transitory, then the option might be to do nothing and accept that it happens occasionally. If the horse is having frequent, generalised seizures involving collapse, then that's potentially dangerous because vou never know when it will happen."

Richard's advice depends on the individual circumstances: "I will spend an hour or more talking to an owner to find out how experienced they are, are there children involved. are there other horses around and so on."

Anti-seizure medications are available, but they have varying degrees of success and are expensive: "Sometimes people run out of money and are forced into a decision they possibly should have made six months earlier, especially if the medication isn't controlling the seizures."

Richard would like to see further investigation of the efficacy of anti-seizure medications.

"We don't really know how well they work - a lot of what we know is taken from humans or dogs." But he acknowledges it's not easy to do. "The challenge is, it would need to be a large-scale study using horses with naturally occurring seizures, but they're not very common and difficult to identify."

When medication does work, a horse can return to ridden work if certain criteria are met.

"I base it on the DVLA's advice for drivers with epilepsy," says Richard. "I recommend no ridden at least six months to d suggest that er keeps a diary of. If the horse is seizure-he agreed period, think about ridden again." H&H

Joint injections:
potential problems and reducing the risk typically recommend no ridden work for at least six months to a year and suggest that the owner keeps a diary of episodes. If the horse is seizurefree for the agreed period, they can think about ridden exercise again." H&H

