



Langford TRUST FOR ANIMAL HEALTH & WELFARE

Patron:
Her Royal Highness
The Duchess of Cornwall



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Registered Charity No. 900380

A pony with a swollen jaw

By Victoria Tannahill BVMS, MRCVS, Clinical Scholar in Equine Surgery

About us

Founded in 1990 the Langford Trust for Animal Health & Welfare supports the University of Bristol School of Veterinary Science at Langford in North Somerset.

Our main objective is to relieve suffering and to further animal welfare by promoting the practice, advancement and teaching of veterinary science.



Frenchie, a seven year-old Connemara gelding, was admitted to Langford Equine Centre for investigation of swelling and discharge on the underside of his right jaw which had not resolved after administration of antibiotics from the referring vet. Our clinical examination identified a hard area of swelling at the back of the lower right jaw (the mandible) which wasn't painful to palpate. Although the swelling wasn't actively discharging when we saw Frenchie, after clipping the affected area, we were able to see a small tract where the discharge had previously been coming from.



A probe was inserted into this tract and it advanced up to 4cm into the bone. Frenchie was sedated and a dental examination using intra-oral endoscopy (a special camera) showed small cracks into the vital tissue of the last lower tooth on the right side. This made us suspicious that bacteria might have entered the tooth and set up an infection at the tooth root.

Two months after the initial presentation the pony resumed work. The minimal swelling of his face continued to improve having recovered from a major surgical procedure.

To confirm this, Frenchie underwent computed tomography ("CT") examination of his head. For this procedure he was heavily sedated and stood

on our specially adapted 'air-bed' to allow him to move in and out of the CT machine.

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He tolerated this very well and we were able to obtain images of his whole head. These showed a loss of bone density around the last lower tooth on the right side which extended between the root of the tooth and the lowest aspect of the jaw bone where the swelling was. This confirmed our suspicion that the root of the tooth was likely to be infected and that the infection was tracking to the outside world through the bone, hence the swelling and discharge from the jaw bone. It was therefore recommended that the tooth be extracted.

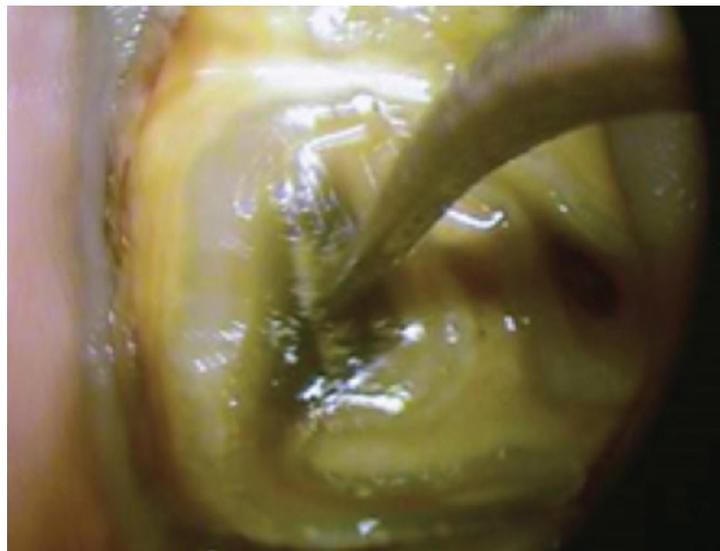
In similar cases, we would normally be able to extract the tooth via the mouth with the horse standing but we immediately knew this would be difficult as we would have to work right at the back of Frenchie's mouth where there wasn't much room! Nevertheless, with Frenchie heavy sedated and with a mouth gag in, we started to loosen the tooth via his mouth, but it soon became clear that we weren't going to be successful by this method.

Our next option was to place Frenchie under general anaesthetic and to remove the tooth out the side of his cheek by cutting down into the skin, muscle and bone. This was still a tough procedure to do, but we were successful in removing the tooth by this method. The muscle and skin were carefully stitched closed with a drain in place to remove any continued discharge, and a plug of dental putty was placed into the tooth socket in the mouth.

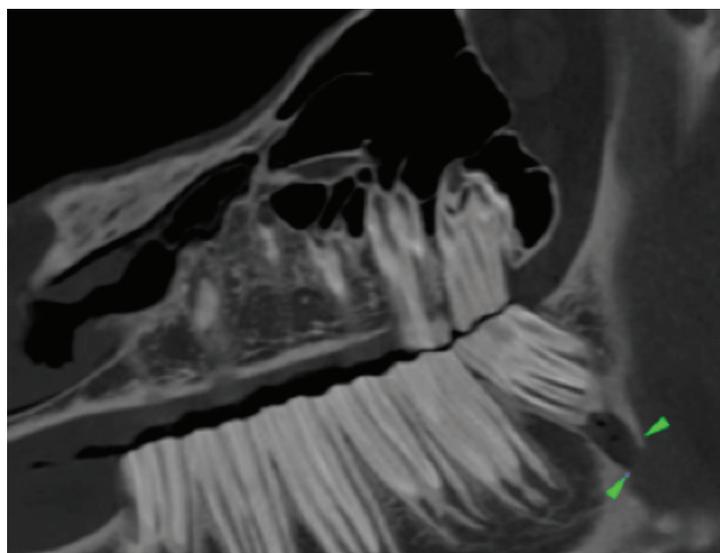
Frenchie recovered well, and although he had quite severe cheek swelling for a few days after surgery, he was quickly tucking back into his food and appeared very comfortable!

He returned home a few days later and initially did well at home, but the cheek remained swollen for longer than we would expect and so Frenchie was re-examined at Langford 3 weeks after his surgery. Ultrasound of the swelling showed a pocket of fluid which we suspected was an abscess which had formed from residual bacteria trapped within the muscle/skin. The swelling was incised to release a large volume of pus and the abscess cavity was flushed out well before he went home again.

Frenchie returned to us for one last re-examination which showed that the surgery site had healed very well, with minimal scarring of the tissues remaining, and the original swelling and drainage has resolved. The tooth socket implant was found to be slightly loose, but upon removal, the socket was healing well. However, when the socket was palpated, there were two sharp pieces of bone felt and so these were removed via the mouth with specialised equine dental picks and spoons. Since then, Frenchie has been doing very well at home and has returned to his normal routine. ●



A dental pick inserted into the crack of the tooth's vital tissue viewed using the oral camera.



A CT image showing the communication (arrows) between the root of the last lower tooth and the lower aspect of the bone where the swelling was.



Two pieces of loose bone removed from the tooth socket.



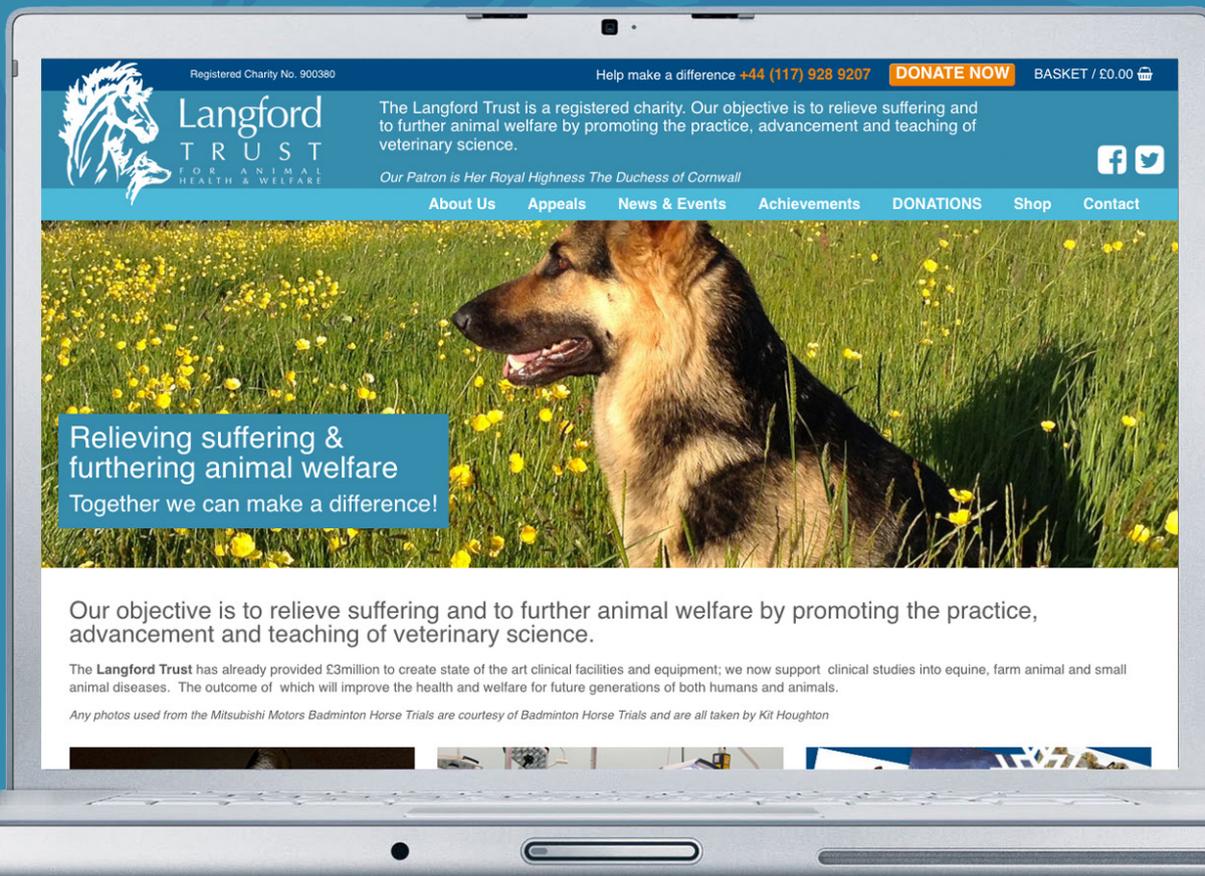
Email us to receive our e-newsletter

As a charity we are trying to cut down on print costs and therefore emailing the newsletter would be far more cost-effective.

Please respond with your email address to this address: langford-trust@bristol.ac.uk

Visit, Shop and Donate at our new website:

www.langfordtrust.org





Langford TRUST

Funding essential research

To make a real difference to animal health and welfare there is more funding needed. We can only support the vitally important work to further clinical research into equine, farm animal and small animal diseases if we have your help.

We read in the press that the BMA, heads of medical colleges and the faculty of public health all want the government to step up the fight against antimicrobial resistance (AMR) The Langford Trust is very pleased to fund a PhD in which the first essential step must be to define accurately and understand how medicines are being used by primary care-givers: in this case, dairy farmers and veterinary surgeons.

In human health care, 80% of antibiotics are prescribed in primary care with increasing evidence that this level of prescription is making a substantial contribution to AMR both in the community and across secondary care.

Similarly, prescription and post-prescription data in relation to AMR is an emerging topic in the veterinary sphere, and the University of Bristol, in collaboration with veterinary practices, retailers and software developers, stands poised to address this knowledge gap. We are proud to give this work our substantial monetary support. Will you help us fund years 2 and 3 of this important issue? It will have far reaching effect on human and animal worlds. ●

Become involved in this top priority veterinary, social and environmental issue by donating to support our work in the fight against AMR.



To gain a holistic picture, farm management and veterinary data must be systematically integrated, evaluated and authenticated to devise a sustainable advisory process for each farm that also satisfies policy, farm assurance programs and retailers.



We are also partially funding another PhD which takes as its scientific background to the project the fact that pressures to reduce medicines, particularly antimicrobials, used in food animals are likely to increase from consumers and policy makers, including retailers. Reducing medicine use is not just about 'stopping veterinary treatments', but about shifting the balance from treatment to prevention and by using medicines strategically based on evidence of pathogen and disease status on farms. To address the challenge of more responsible use of medicines while maintaining or improving dairy herd health and welfare, comprehensive, participatory approaches to welfare interventions and disease prevention are necessary. These must be strategic and evidence-based, taking into

account the conditions, priorities and resources on each farm while using a validated process appropriate to the dairy industry as a whole. To gain a holistic picture, farm management and veterinary data must be systematically integrated, evaluated and authenticated to devise a sustainable advisory process for each farm that also satisfies policy, farm assurance programs and retailers. ●

Visit our website langfordtrust.org to donate and to read more about this essential research.

Will you help us take this important issue forward? It will affect not only this generation but generations of both humans and animals to come.

We are very excited by our new Christmas card design

Twas the Night before Christmas is designed especially for us by Louise, a very talented receptionist from our first opinion, Small Animal Practice. During a casual conversation with her one day in the SAP Louise told me that she “loved to draw” and would be very pleased to help us with our cards this year; she then persuaded her Mother to contribute a design too! Anne promptly came up with the fabulous grey pony with a robin

pulling holly from the mare’s tail which we have called Dapple Express. Louise and Anne both love animals; they have quite a few between them, from hamsters to horses, in fact some of Louise’s pets feature in ‘Twas the Night before Christmas! They are very pleased to support the Langford Trust and we are extremely grateful to them for giving us such super and unique designs. ●

So this year we are very pleased to offer you:



Not a creature was stirring

**Twas the Night
before Christmas**

£4.20

for 10 cards
174 x 118mm



Dapple Express

£4.20

for 10 cards
174 x 118mm



Little Donkey

£4.00

for 10 cards
155 x 108mm

The greeting inside all is

Merry Christmas and a Happy New Year

ORDER FORM 2016

Name.....

Address.....

Post code..... Telephone.....

Notelets:



Winter Woolly



Pigtails



In the Moonglight



Walter de Wodeland

ITEMS	PRICE	QTY	TOTAL
Christmas Cards			
Dapple Express – 155 x 108 mm pack of 10	£4.20		
Twas the night before Christmas–108 x 155mm pack of 10	£4.20		
Little Donkey–108 x 155 mm pack of 10	£4.00		
Notelets:			
Winter Woolly - pack of 5 Special offer 2 packs for	£2.50		
Pigtails - pack of 5 Special offer 2 packs for	£2.50		
In the Moonlight – pack of 5 Special offer 2 packs for	£2.50		
Walter de Wodeland - pack of 5 Special offer 2 packs for	£2.50		
Sweatshirt small embroidered logo S; M;L;XL black; bottle; burgundy; emerald; heather; navy; purple; red; royal			
100% cotton polo shirt S(37); M(40); L(43); XL(46)(also available to order 2xl & 3xl) black; bottle; burgundy; light graphite; navy; purple; red; sky; sunflower;	£18		
97% cotton+ 3% elastane ladies fit polo shirt 8; 10; 12; 14 black; white; pink; fuchsia;	£18		
100% cotton rugby shirt S; M; L; XL (also available to order 2xl & 3xl) black; bottle; burgundy; chocolate; navy; purple; red; royal; sapphire; sky; slate	£30		
100% cotton ladies rugby shirt 8; 10; 12; 14; 16 Black; dusky pink; fuchsia; navy	£30		
Sub-total			
Please add postage & packing.			£1.50 for items > £10 £3 for items > £25 £5 for items < £25
Donation in support of: <input type="checkbox"/> horses <input type="checkbox"/> farm animals <input type="checkbox"/> cats <input type="checkbox"/> dogs			
Please treat my donation as gift aid please sign the gift aid declaration to enable us to claim 20p in the £1 from the inland revenue			
Signed.....			
NB YOU must have paid an amount of tax at least equal to the relief that we claim			
TOTAL			£

Pet's name on wall of friendship (minimum donation £20).....

Please send me information on: Standing Order Legacy Ambassadors Friends

Cheque payable to **The Langford Trust** and send to:

The Langford Trust, Langford House, Langford, North Somerset. BS40 5DU

The Langford Trust will use your information to provide the charitable product or service that you have requested. We will not disclose your information to any outside organisation except when legally obliged to do so. From time to time we would like to notify you of other products and services or invite you to events that may be of interest to you. You will be given the opportunity to opt-out at the time of mailing if you do not wish to receive further communication. The accuracy of your personal details is dependent upon the accuracy of the information you provide. The Langford Trust will not verify personal information, other than that which is provided for payment or account purposes. The Langford Trust is not responsible for errors or problems that arise as a result of inaccurate information submitted by users.

We need your help to continue to make a difference to the lives of all species of animals.



We are eternally grateful to all our donors.

Our sincere thanks go to:

The Alborada Trust	Ian Drummond Harris
Basil Brown Charitable Trust	Patricia Gormley
Primrose Trust	Roger Griffin
Woodspring Dog Club	Dr Nicola Grint
West of England Daschund Assoc	Mr & Mrs Alan Heasman
Badminton Horse Trial	Chris Lawrence
Malmsbury and District Dog club	Marie Mackle
The Plough Inn	Elizabeth Marsh
Tone Fitness	Dr & Mrs Mclean
Wrighton Motors	Judith Pollitt
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The estate of Anne Baldry	Elizabeth Timms
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Gwendoline Cleary	Mr Brian Ring
Elizabeth Davies	Mr & Mrs Page
	The estate of Joan Daintree
	Phoenix Dog Agility Club

Will you help?

Become an Ambassador

Ambassadors support our work with an annual standing order of £250 and receive invitations to various events especially those where our Patron is present.

Become a Friend

Friends support us with an annual standing order of £25 and above.

Remember us in your will

Legacies from people who care in their lifetime and want to ensure animal care into the future.

A one off donation

For more information visit our website - langfordtrust.org or contact us direct.

For more information please contact us at:

Langford-trust@bristol.ac.uk

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www.langfordtrust.org

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