Using Modern Tech to Test & Validate Ancient Theories

Insights from the HorseTech Conferences

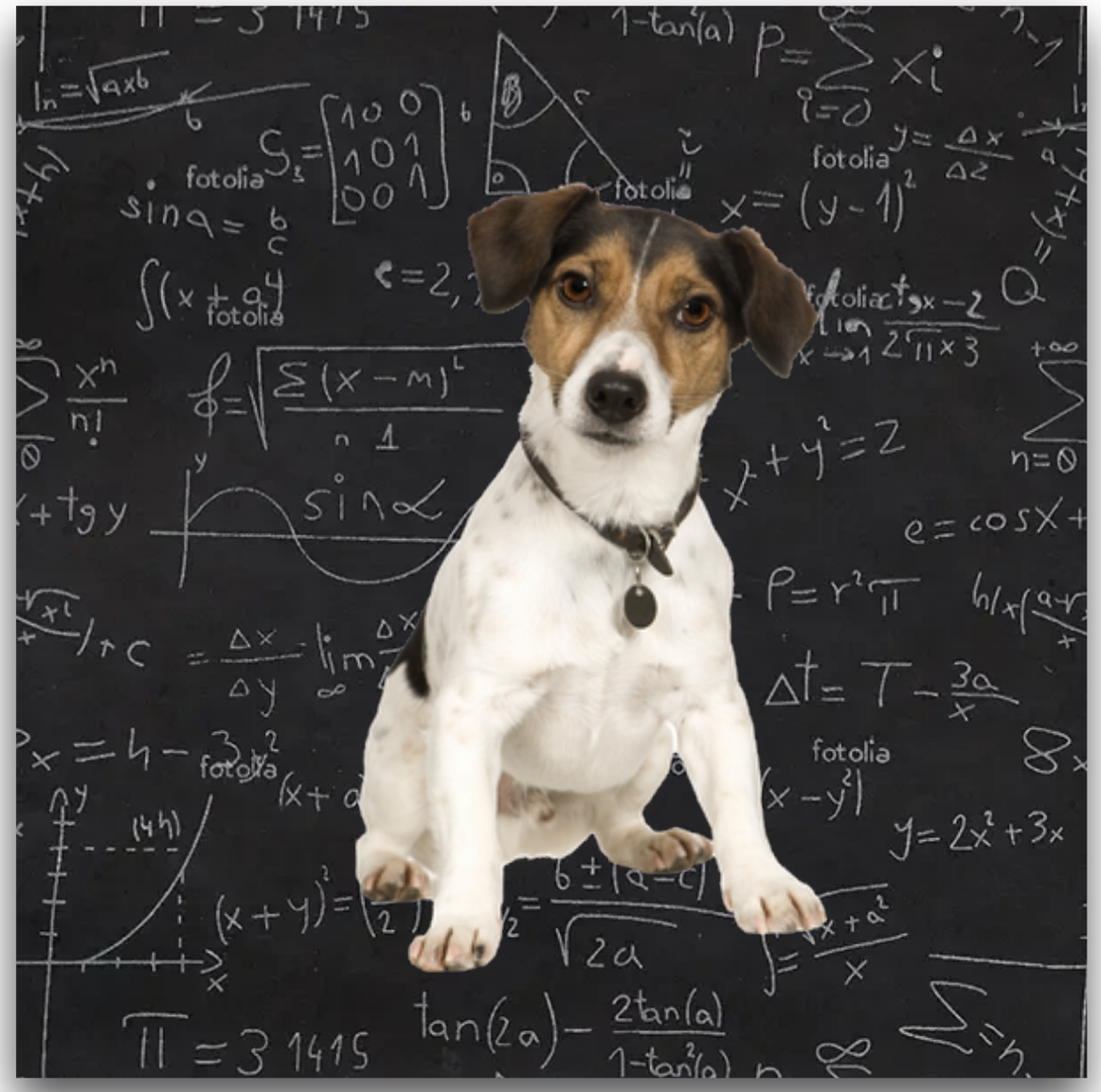


David Doherty

HorseTech Consultant


HorseTech Conference.com

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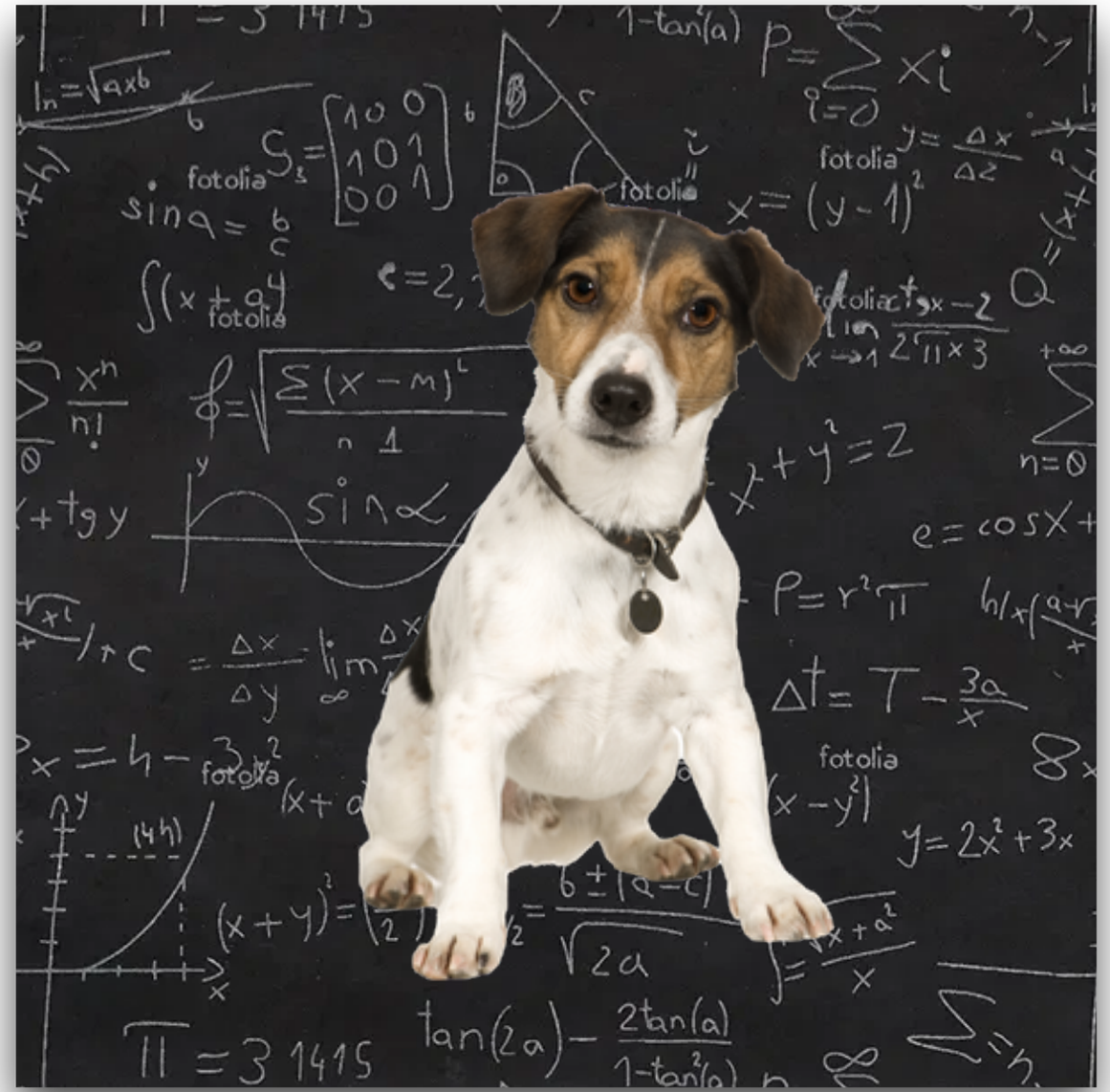
THE MOST WONDERFUL HORSE IN THE WORLD.
KEY
KEY
JIM
THE EDUCATED HORSE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Palace containing the Wanamaker Organ at the World Fair


IRISH
HORSES, SONGS,
MUSIC & DANCE
IRISH HORSES, SONGS, MUSIC & DANCE
DAITHÍ O'DOCHARTAIGH


WAHL
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Animal Grooming


3M Red Dot™

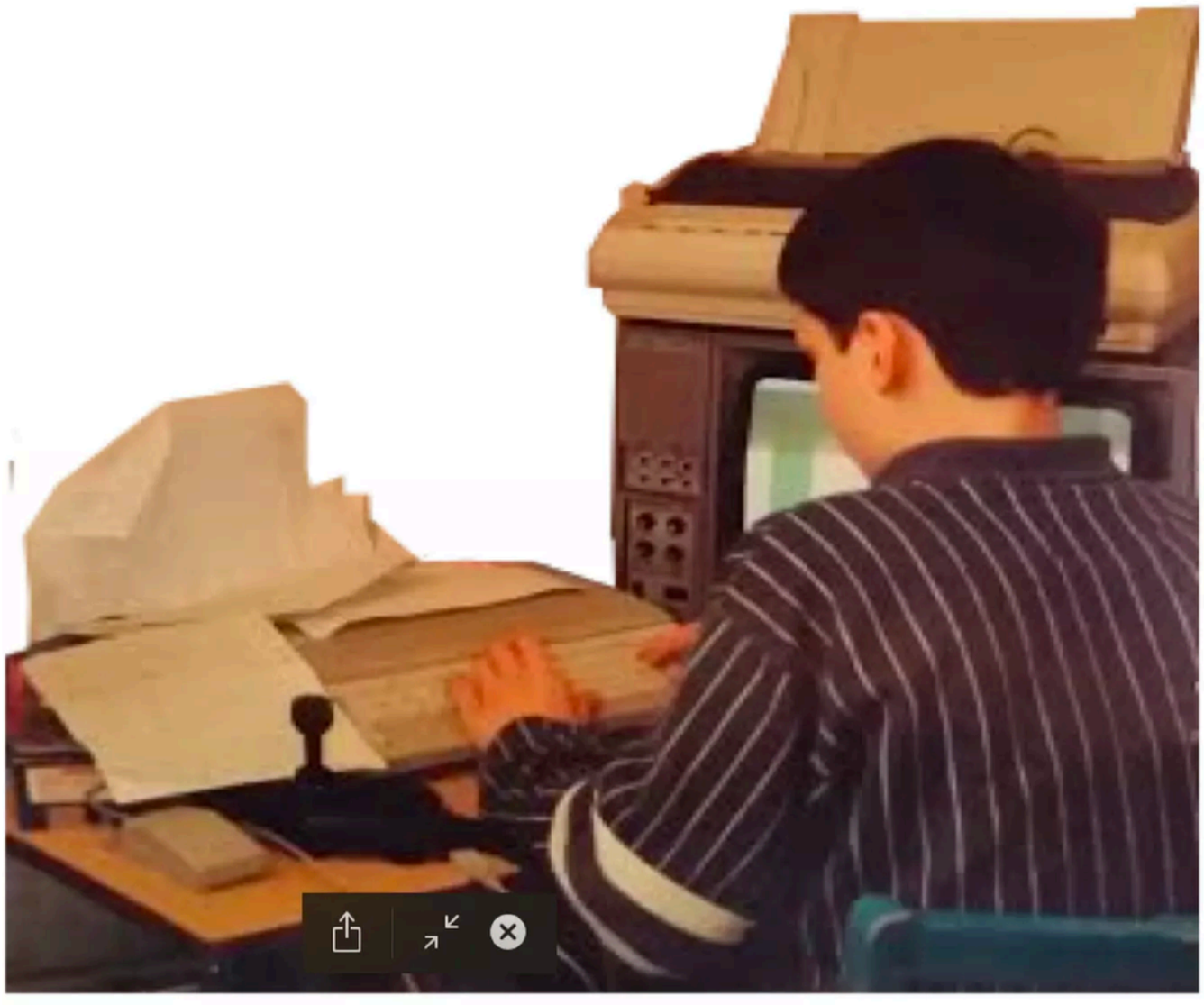



30m Cable Reel



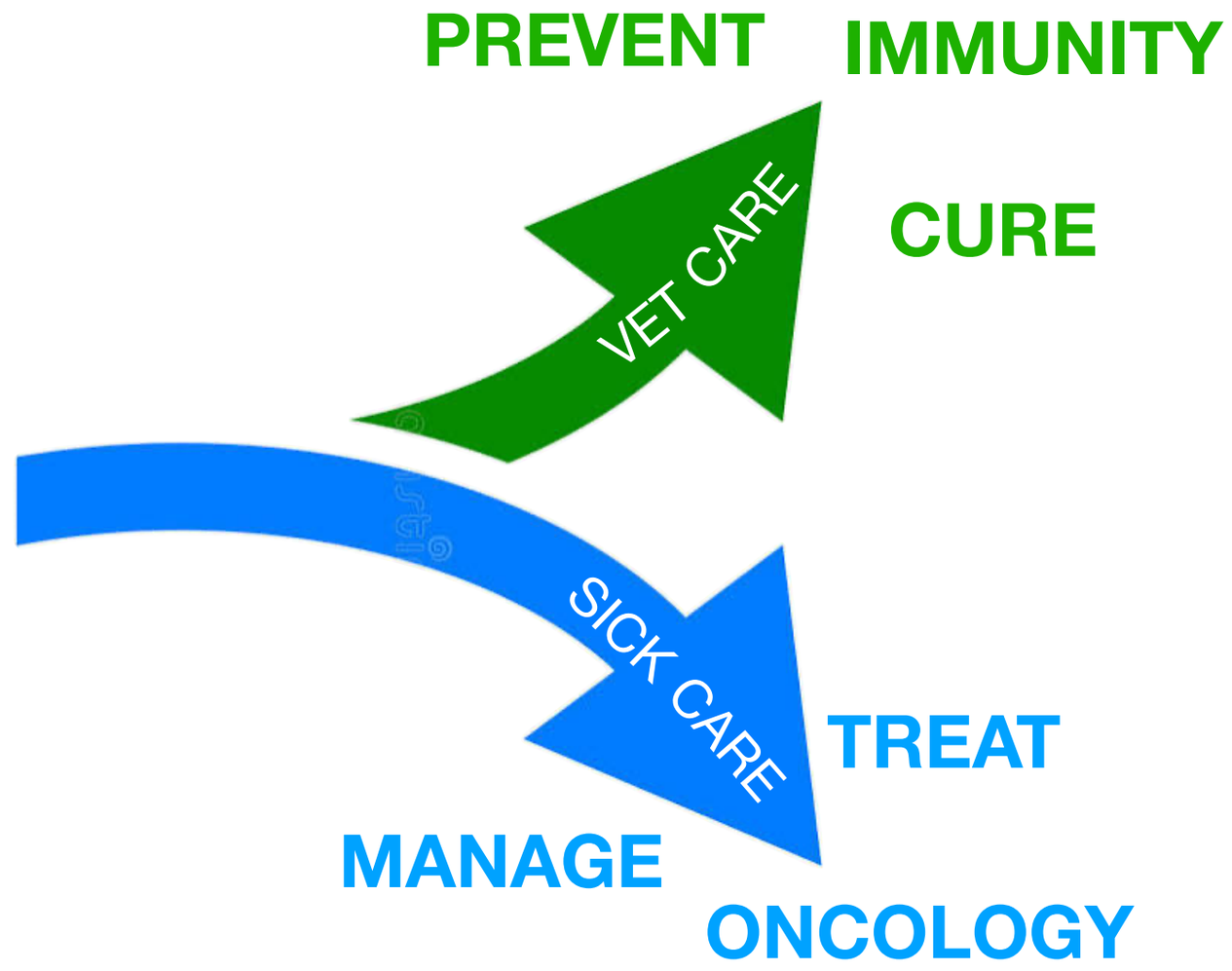



CASIO
Casiowriter CW-10



UCL MEDICAL SCHOOL

UCL


PREVENT
IMMUNITY
VET CARE
CURE
SICK CARE
TREAT
MANAGE
ONCOLOGY


30m Cable Reel






WAHL




250
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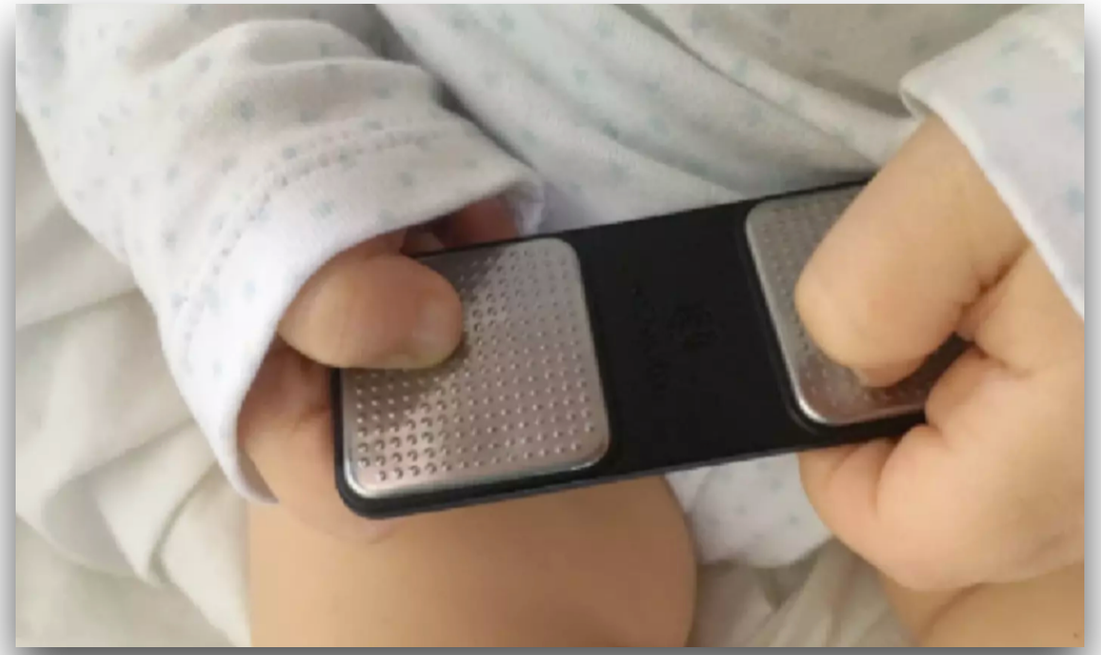




Today Jun 11, 2016
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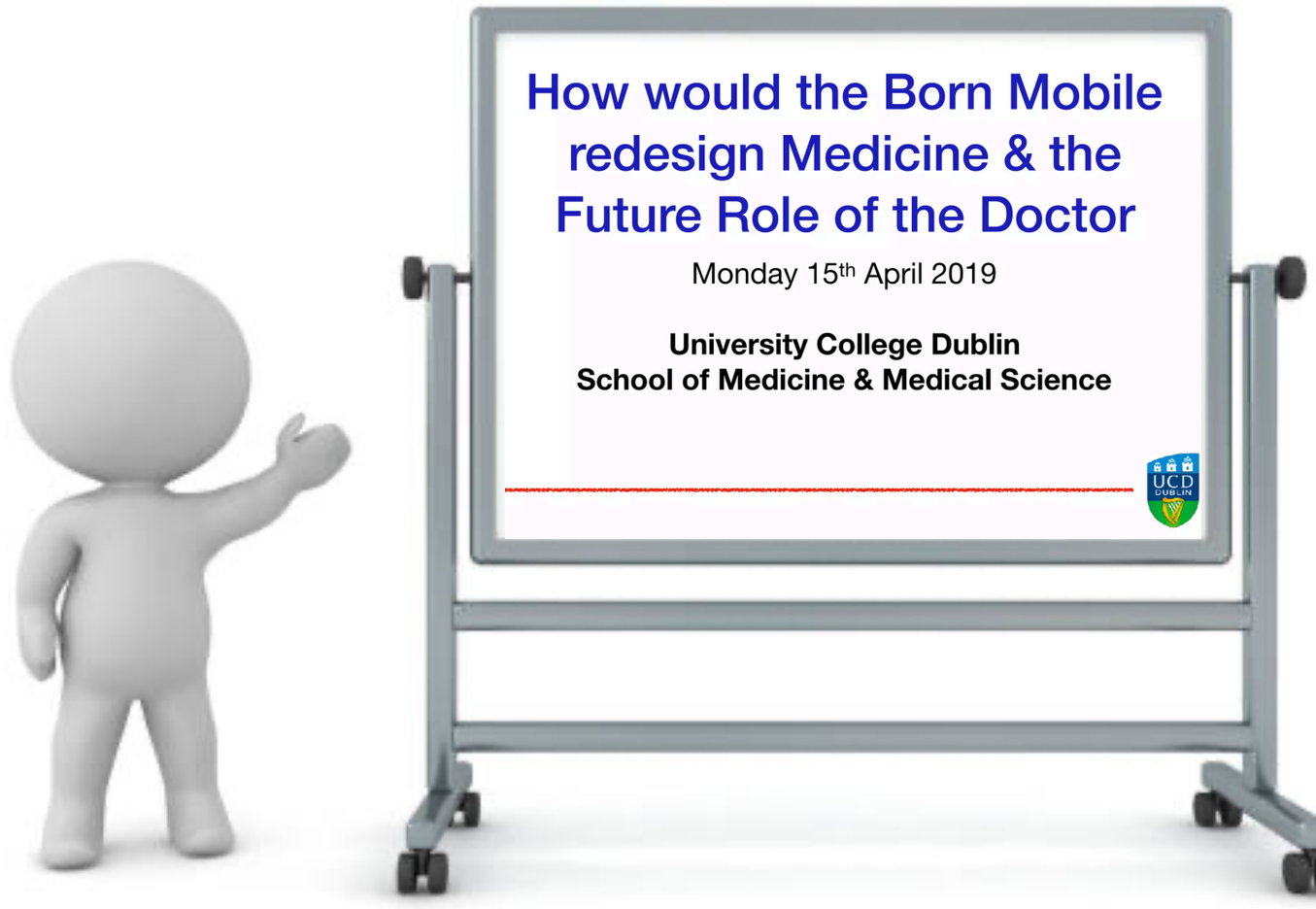
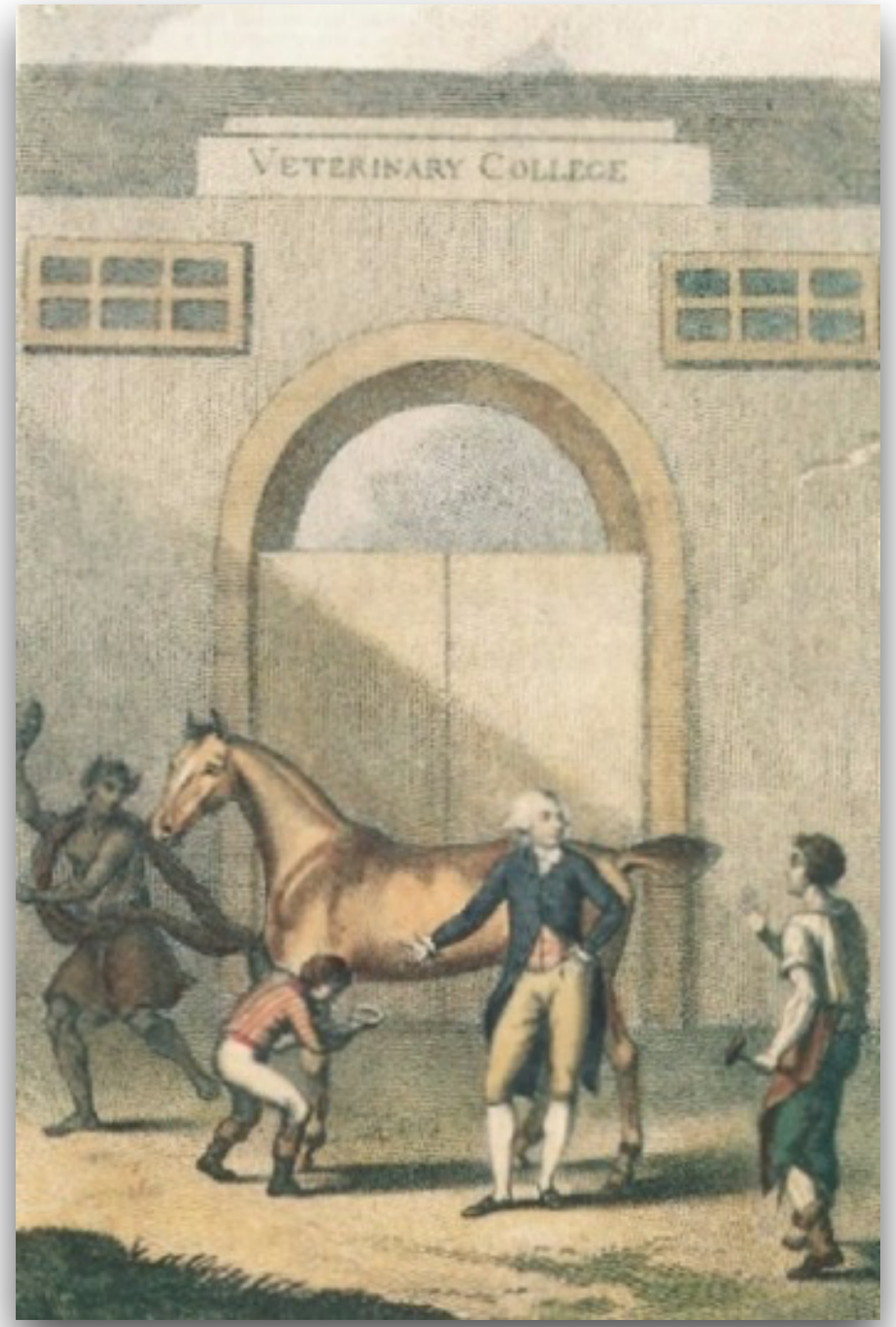

How would the Born Mobile redesign Medicine & the Future Role of the Doctor
Monday 15th April 2019
University College Dublin
School of Medicine & Medical Science
UCD DUBLIN


VETERINARY COLLEGE



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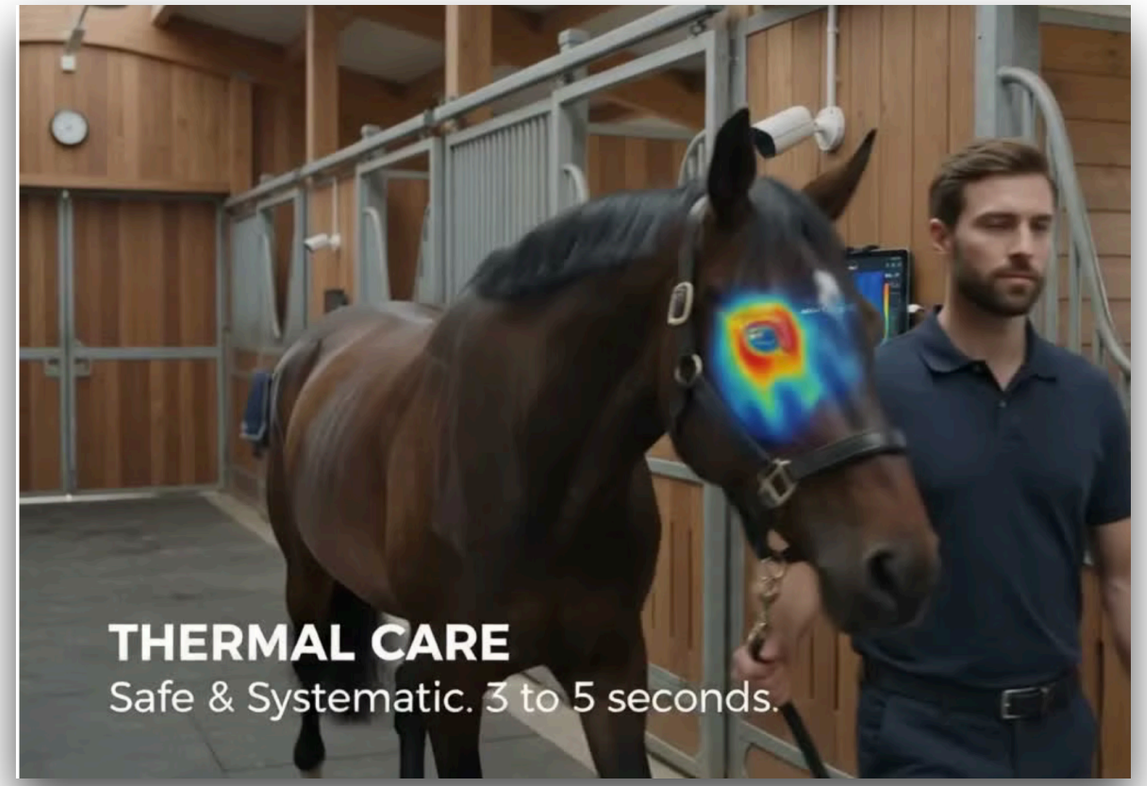

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Automate your horses' temperature monitoring. Contactless, accurate, and integrated in 2 seconds.

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BUY
SELL


DUBAI
مؤتمر دبي الدولي للخروسبة
Dubai Inter onal Equestrian Co nce



“it’s so good it had to be banned at the world’s richest races. So why aren’t you using it?”





Racings Napster Moment: Marshall Gramm



Technology as a barrier

horsetechconference.com/prerace-check-workshop/



What happens when Data Science Expertise enters the training yard?

Creating a Sports Science Unit within a Racing Stable

How Ciaron Maher Racing established a team two enable performance data to optimise welfare and training.



Romy Borrione
Performance Analyst
Ciaron Maher Racing



Point Of Law leads historic Maher trifecta in freakish Melbourne Cup triumph



Horse Racing: The Ciaron Maher trained Point of Law has charged home to win the 2026 Melbourne Cup

Lameness Assessments: the newest Equine Vital Sign

Sponsors of the 2017 HorseTech Conference: EquinosisQ



Sponsors of the 2026 HorseTech Conference: RealHorse.com

Validation of a handheld smartphone markerless gait-analysis tool using an estimated groundline in horses

Karsten Key, Jakob Kirkegaard, Katja Berg, Kristian Ringkjær Andresen, Sabrina Skov Hansen

First published: 16 January 2026 | https://doi.org/10.1002/evj.70149 | VIEW METRICS

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Abstract

Background

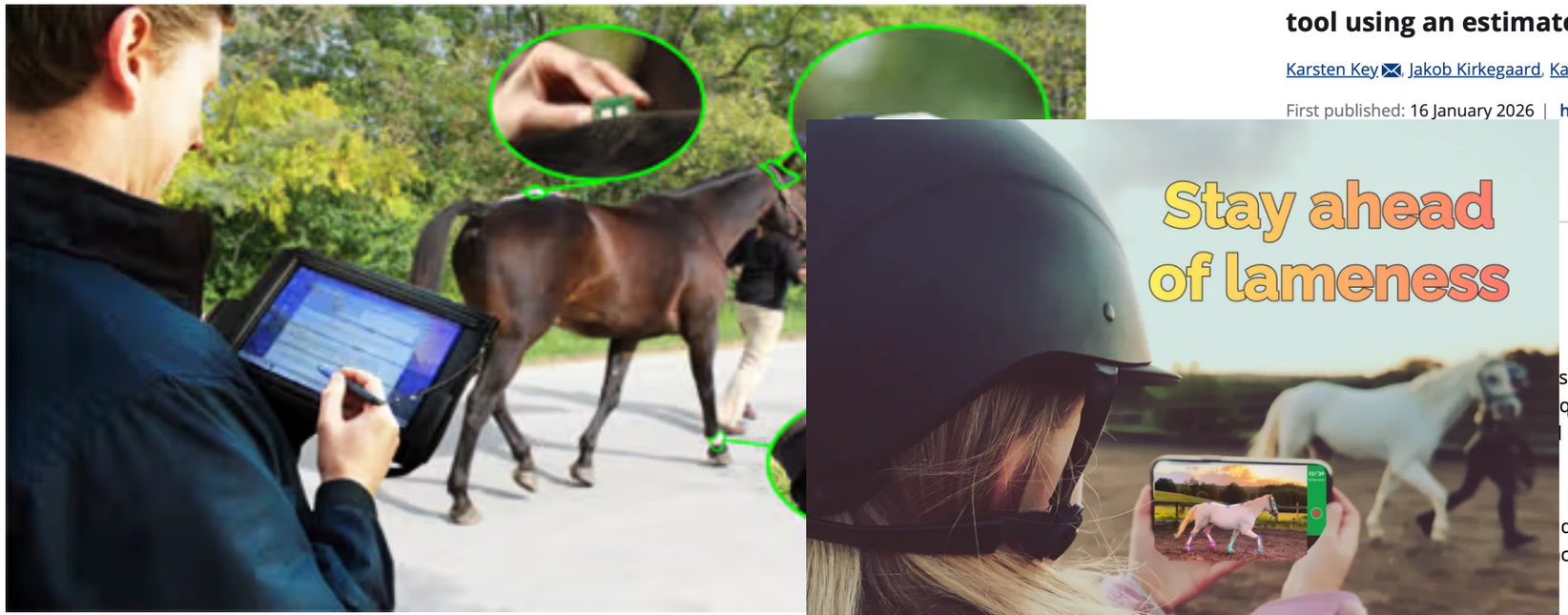
A handheld smartphone-based computer vision algorithm (RealHorse® [RH]) offers accessible alternatives for equine gait analysis but requires validation against a gold-standard three-dimensional multicamera optical motion capture system (Qualisys® [QS]).

Objectives

To evaluate the accuracy and precision of RH in measuring vertical displacement signals (VDS) at the eye, withers, back and croup in horses trotting on a straight line and on a circle.

Lameness Assessments: the newest Equine Vital Sign

Sponsors of the 2017 HorseTech Conference: EquinosisQ



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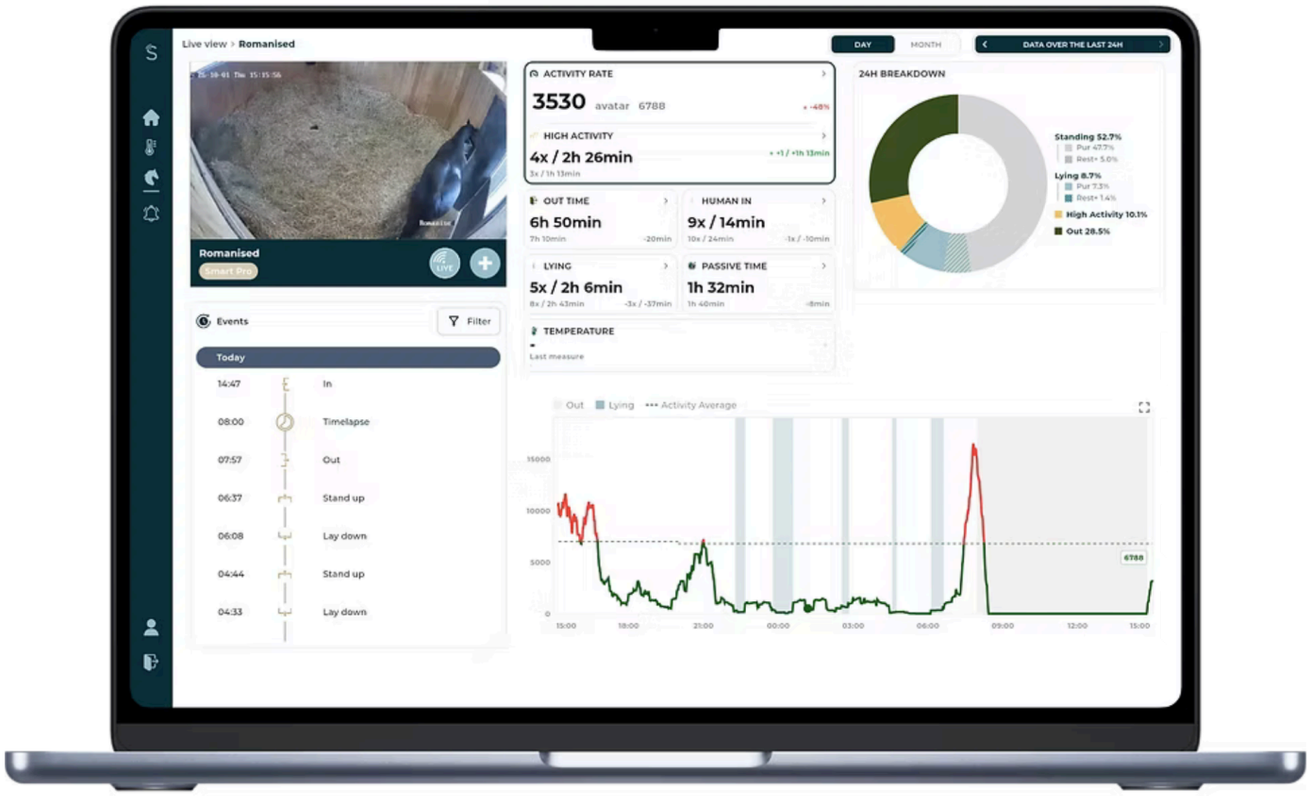
“Any sufficiently advanced technology is indistinguishable from magic"

Arthur C. Clarke



NOVOSTABLE

CARE FOR HORSES

“Any sufficiently advanced technology is indistinguishable from magic"

Arthur C. Clarke



talkatoo

“Any sufficiently advanced technology is indistinguishable from magic"

Arthur C. Clarke



Clean Earth Robotics

Waste mining for energy and fertiliser.

Health is Wealth



Hyper-realistic Virtual Reality Tech

Imagine if all it took was to wear a headset and you could start experiencing a simulation of how a Horse senses, sees, hears and feels the world?

Imagine how Jockey Clubs could transform humanity by simply making this an experience available for anyone to try at their nearest racetrack?



Energy Medicine



"*A Horse's infinitely complex understanding of the Environment is as incomprehensible to a Man as the knowledge a Man can gain from studying the Bible is to a Horse*". **David Doherty.**



While I was trying to calculate a Horses IQ the Horse taught me an important lesson



My Horses & Humanity Hypothesis:

Are we an Equestrian Race?



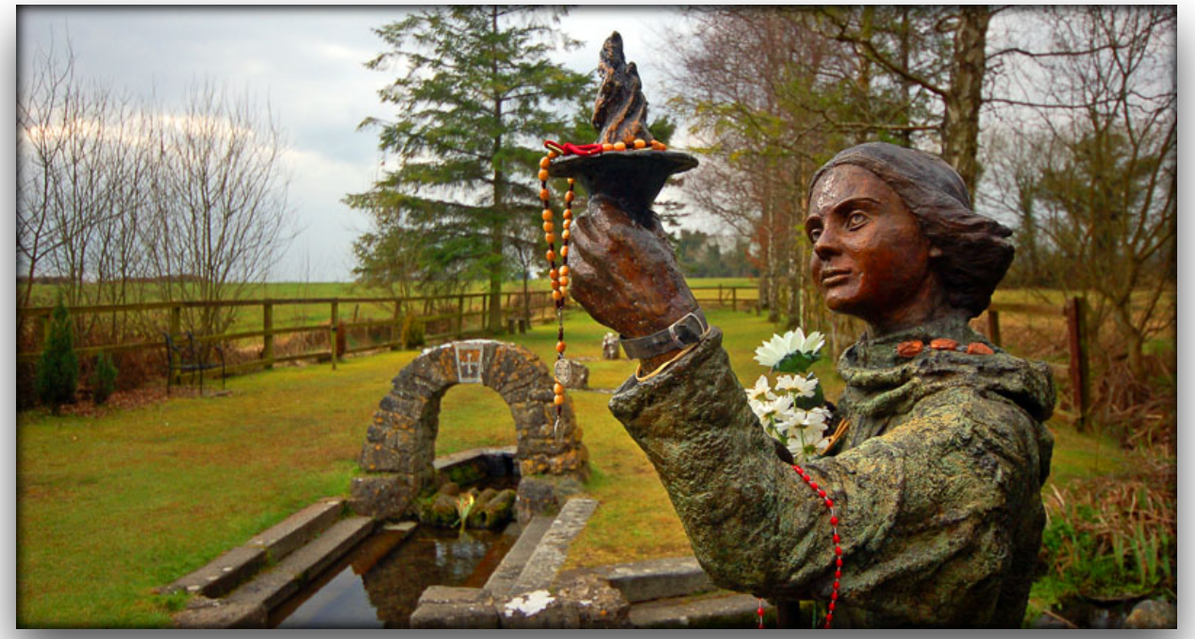
Using Modern Tech to test the ‘Selected by Horses” Hypothesis





Will Horses be the key to developing the world’s healthiest vehicles?

Using Modern Tech to test the ‘Selected by Horses” Hypothesis





Diamond-Coated Weo Technology

Our Weo module features two electrodes covered in diamond and boron – naturally occurring elements – for an extra boost of hydration.

Will Horses be the key to developing the world’s healthiest waters?

Using Modern Tech to test the ‘Selected by Horses” Hypothesis





Are Horses key to developing the world’s most healing sounds & vibrations?

Using Modern Tech to test the ‘Selected by Horses” Hypothesis





Will HorseTech enable us to evaluate our favourite Ancient Astrological Theories



HorseTech Conference.com