

Centaur Biomechanics

Equine Biomechanics CPD Day for Equine Professionals

Registration	09:00 – 09:30
Introduction	09:30 – 09:45
<p>Theory Session to Cover:</p> <ul style="list-style-type: none"> • How do the kinematics of the equine thoracolumbar spine alter when ridden in trot and canter when compared to trotting in hand? • What effect can the saddle have on the thoracolumbar spine; in particular in the region of the tenth-thirteenth thoracic vertebrae? • Equine laterality - does it have an effect on the kinematics of the thoracolumbar spine and consequently saddle / rider position? • Half pads – are they useful or harmful when used beneath a correctly fitted saddle? • Does the equine back change its muscle dimensions throughout the day and with exercise? • What effect does rider asymmetry have on equine locomotion? • Use of thermography within saddle fit - useful or misleading? • Does activating the rider’s glutes affect rider position, equine locomotion and saddle stability? 	09:45- 13:30
Buffet Lunch	13:30 – 14:15
<p>Practical Session to Cover:</p> <ul style="list-style-type: none"> • Horse assessment 1 – Subjectivity versus objective assessment • Horse assessment 2 - Subjectivity versus objective assessment • Use and application of motion capture systems • Foot balance • Use and application of training aids 	14:15 – 16:30
Summary	16:30- 17:00 Approx.