

## Centaur Biomechanics

### Equine Biomechanics CPD Day for Equine Professionals

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