



HORSES INSIDE OUT

DISSECTION PROGRAMME 2012

Led By Dr. Andrew Hemmings and Gillian Higgins.

These hands-on day courses offer an insight into the anatomy of the horse and provide a rare and invaluable opportunity to look at the structures we influence by training and therapy.

Dr. Andrew Hemmings is a Neuroanatomist and Principal Lecturer in Equine Science and Production at the Royal Agricultural College. Andrew will demonstrate and explain any techniques required. Gillian is a Therapist, BHSII and anatomist and biomechanist.

Sunday 12 th February	2012	Limbs
Sunday 4 th March	2012	Spine
Sunday 25 th March	2012	Internal Organs
Saturday 9 th December	2012	Spine
Sunday 20 th January	2013	Cranium
Sunday 10 th February	2013	Limbs
Sunday 3 rd March	2013	Spine

The **Cranial** dissection will look at all aspects of the head and poll area including the mouth, teeth, hyoid apparatus, the musculature of the jaw and the TMJ. It will also examine how brain mechanisms influence behaviour patterns and how malfunction can give rise to repetitive stereotypic behaviours such as crib-biting and weaving. It can also explain responses to outside stimuli- of real interest to both therapists and riders. This demonstration paves the way for a deeper insight into the functioning of other anatomical structures.

The **Spine** dissection will focus on joint mechanics from the poll to the tail. Gillian will look at the spinal ligaments and musculature and their effect on movement, performance and posture, whilst Andrew will focus on the central nervous system, the neural plexus and the nerves.

The **Forelimb** will include the skeletal and musculature from the shoulder. The dissection will include scapula, the stay apparatus of the forelimb and some of the thoracic sling muscles.

The **Hindlimb** will include the entire limb from the pelvis enabling an in depth study of the superficial and deep muscles of the hind quarters, the stay apparatus, and the joints in the hind leg including the sacroiliac Joint. It will also include the tendons and ligaments of the lower leg and the hoof.

The **Internal Organs** will include the digestive system, the reproductive system, the heart, lungs, spleen and liver.

Timetable:

09.00	Registration and Coffee
09.30	Introductions and Explanations Practical Sessions
12.30	Working Lunch <i>Available from the college or bring your own</i>
1.30	Practical Sessions
3.30	Questions
3.30	Close Collect <i>Receipts and Certificates of Participation</i>

Please Note:

- *Disposable gloves and lab coats will be provided.*
- *Tea and Coffee will be available throughout the day.*
- *Course notes will be provided.*

Venue: Royal Agricultural College, Cirencester. GL7 6JS

These courses are popular and places are limited so early booking is advised.

Cost: £110 per day - £120 from 9th Dec 2012

[Download Application Form- Word.doc](#) or [.pdf](#)