

## **Providing student access to digital diagnostic imaging data**

To provide the students with the maximum benefit from digital imaging the following items were purchased:

1. a dedicated workstation for image retrieval and manipulation.
2. a high quality projector linked to the work-station
3. dedicated viewing software with site-license, that provides student and staff access from any computer within the College
4. an ultrasound viewing screen

### **Aim: Provision of visual access to medical images for larger groups of students in teaching sessions**

#### **(a) Creating an environment suitable for radiology teaching**

Items 1 and 2 were installed in the room dedicated diagnostic imaging room on the first floor of the LACC which can accommodate a group of 20 students. In addition to these the room was equipped with three double viewing boxes, storage for more than 1000 teaching radiographs (at the moment we have about 700), two filing cabinets for imaging related articles, TV with a video recorder and a white board. Since this equipment has been installed the room has been used by the equine diagnostic imaging group and other groups for rotational teaching on a daily basis, it is also used for equine rounds on Monday, radiology rounds on Friday, neurology rounds on Wednesday, equine journal club on Tuesday and radiology journal club on Thursday in addition to CPD courses. Thus a room which had so far been used as a garbage storage room has been transformed in one of the most heavily used teaching rooms in the College (fig 1).

#### **(b) Creating online access to the image archive for students**

Item 3 was installed in October 2006 and provides all students and members of staff with the ability to access the RVC image archive from any computer in the College (just click on the icon "Visbion Pacs" on your computer, username: RVC, password: archive). While it has taken about six months for this service to become known amongst students and staff, it is now heavily used by both groups for learning and clinical reasons.

#### **(c) Ultrasound viewing screen**

In addition to the items outlined in the original proposal a 40inch flat screen monitor was purchased and mounted in the equine ultrasonography room. Ultrasonography screens are relatively small and often positioned in a way that makes it awkward or even impossible for students to see the images, the installation of the screen has made it possible for all students in the room to follow the exams (fig. 2).



Fig. 1 Radiology teaching room, 1<sup>st</sup> floor LACC, featuring a projector dedicated for radiographic display



Fig. 2 Equine ultrasonography room with wall-mounted additional monitor