



Technology Update - October 2006

Computed Radiography

now at North Queensland X-Ray Services

What is Computed Radiography (CR)?

CR represents the **latest in x-ray imaging technology**. Rather than being exposed directly onto film, CR x-ray images are captured on a digital plate before being transferred to a reader and displayed on a computer monitor. Images are then **manipulated and enhanced** by the Radiographer to achieve the best diagnostic result.

What are the Advantages of CR?

- ...# The exposure of an x-ray can be adjusted to achieve a harder or softer image **without re-exposing the patient** to radiation
- ...# Images can be modified, rotated, cropped, magnified and labeled as required
- ...# Images can be sent to local workstations or to remote computers at other sites
- ...# X-rays can be **stored electronically** on the computer hard-drive or copied direct to CD
- ...# Images can be printed to film once the desired result is achieved
- ...# X-rays are of **exceptional diagnostic quality**, every time.

Practical Implications:

...# **Store studies of interest** on patient files within your practice software

...# Brighten, re-focus or zoom into areas of interest and pathological importance

...# Store and recall examination results from across modalities to **compare and assess patient progress over time**

...# Send images to medical colleagues or to specialist practitioners for their secondary opinion

For further information or to **arrange a personalised demonstration** of our latest technology, please contact our Liaison Officer via the NQXS clinic nearest to you.

