

## Lincoln radiotherapy equipment

### Equipment and techniques

Radiotherapy at Lincoln County Hospital uses the latest state of the art equipment to plan and deliver precise treatment to the tumour site.

### Linear accelerators

The department has recently purchased three state of the art Varian TrueBeam Linear Accelerators (Linac) which offer a range of complex treatments including IMRT (Intensity Modulated Radiotherapy) and IGRT (Image Guided Radiotherapy) to ensure that you receive the most accurate and effective treatment.

Each Linac comes complete with high (MV) and low (KV) imaging capabilities to allow real time x-ray and CT images to be generated, thus ensuring a high level of accuracy during treatment.



The department has its own Toshiba Aquilion Large Bore CT Scanner to enable us to carry out investigatory scanning, which is then used as part of the treatment planning process to generate individualised patient treatment plans.

The CT scanner is similar to the one found in most hospitals but has an extra-large opening in the centre. During scanning and treatment it is important that the affected area moves as little as possible so we sometimes use arm, leg, or breast boards to keep the body in the right position. The wide opening allows us to accommodate these boards during scanning.

