

Leading Edge Technology can save Thousands of Lives

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The European Scanning Centre, Harley Street, offers state-of-the-art Electron Beam Scanning which has the potential to save many hundreds of lives through the early detection of life threatening, and often silent diseases, such as heart disease, lung disease, and colon cancer as well as other diseases of the internal organs. . The Harley Street Clinic is one of only three machines in the UK, the European Scanning Centre machine being of the highest specification.

EBT is far more advanced than conventional CT scanning and provides high quality 3-D images of the heart, lungs, spine, stomach, prostate, colon, kidney – and every other internal organ. As well as providing far better imaging EBT uses far less radiation making it safer to use. Conventional CT scanning uses as much as 36 times more radiation than EBT when looking at the heart and 400 per cent more for colon scans.

Heart disease is the UK's biggest killer. It is the most common cause of premature death in the UK and costs the healthcare system £1,600 million each year. EBT has the ability to detect the onset of coronary heart disease long before any symptoms are present. It can detect disease in its most early, formative stages which enables a risk management programme to be implemented immediately.*

Lung cancer is the most common form of cancer in the UK. There are 38,000 new cases of lung cancer each year. Lung cancer does not generally cause symptoms in the early stages. The value of EBT is that it can detect and accurately measure any abnormalities, which have not yet produced any obvious symptoms. Due to the reproducible accuracy of the imaging, these lumps can be re-measured after a suitable interval to check that they are safe. If they have increased in size, they will need to be aggressively managed which can save the patient's life.

Colon cancer is the second most common cause of cancer related death in the UK in women, and the third for men. Of those diagnosed 61 per cent die within five years because they were either unaware or ignored the symptoms until it was too late. Colorectal cancer is potentially highly curable if detected early. EBT can be used to perform a virtual colonoscopy which is safer and far less invasive than a traditional colonoscopy.

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Notes to editors:

* EBT takes highly accurate images at an incredible speed using only a very low dose of radiation. Such imaging speed makes EBT particularly suited for imaging the heart, which is constantly distorting its shape as it pumps, making it the most difficult organ to image. It is this reproducible accuracy and impressive image clarity, together with stunning the 3D pictures, that makes this technology so diagnostically useful, which conventional CT scanners cannot match.

