



Medilux Healthcare Ltd achieves breakthrough
First NHS patients receive CyberKnife radiosurgery

Since February 2006 over 600 consultants across the UK have been informed of the advances which CyberKnife radiosurgery brings to patients.

CyberKnife is not yet available in the UK but now, under the E112 EU referral system, the first NHS patients are receiving treatment at The European CyberKnife Centre in Munich. In each case the referring Consultants confirmed that no treatment was available for these patients in the UK and that CyberKnife offered the only option for a return to health.

CyberKnife® radiosurgery is a high precision, pain-free, robot guided radiation treatment which in certain cases can be an alternative to invasive surgery. Multiple high energy beams are focussed on a target within the body where they become effective and destroy the tumour. One single beam cannot cause damage, but bundling of all beams in the target leads to destruction of the tumour tissue without harming the adjacent healthy tissue.

Some treatments offered by CyberKnife® are not otherwise available by radiotherapy. Other treatments may be conducted more quickly, more conveniently, or more economically with CyberKnife® than by alternative methods. In some cases a single CyberKnife® treatment may take the place of a four-week course of conventional radiotherapy.

CyberKnife® offers pain-free, outpatient "surgery", with no need for uncomfortable fixings to secure the patient in position, no anaesthesia and no surgical incisions. There is no inpatient hospital stay and no time is required for recovery or rehabilitation.

Medilux Healthcare Limited is Sole Representative of the European CyberKnife Centre. The Centre opened in 2005 using medical hardware from Accuray in the USA and the latest medical software from Siemens and is already acknowledged as one of the leading centres in the world for radiosurgery on the central nervous system.

Head Region - Acoustic neuroma - Meningeoma - Other Neuromas - Metastases - Gliomas (selected cases) - AVM (arterio-venous malformations) - Trigeminal neuralgia - Haemangioblastomas - Jugular foramen tumours. ECZM has recently installed the new Siemens Emotion 16 detector CT which enables very fast scanning times (30 seconds for a brain scan). [read more](#)

Spine - Metastases - Neuromas - Meningeomas - MPNST (malignant peripheral nerve sheath tumours) - Haemangioblastomas - Tumour pain. Spine lesions are treated with the brand new Xsight software package, which enables a treatment without the need to place invasive fiducials for spinal tracking. ECZM is currently the only CyberKnife® Centre in Europe operating this software. [read more](#)

Body - Lung metastases (single) - Lung cancer (Stage I) - Liver tumours - Renal cell cancer (Stage I). Body lesions are treated with the Synchrony (breath triggered robot movement) system. Note: these treatments are more complex than brain and spine treatments and patients are carefully selected for suitability. Preparatory procedures are required one week before CyberKnife® can be used and these are conducted in the adjacent University Hospital. [read more](#)

Benefits of treatment for patients - no pain - no incisions - no head frame - no anesthesia - no hospitalisation - no recovery time [read more](#)

We are informing doctors, hospital managers, specialist centres and national charities of this development.

Yours sincerely,

Steven Warren

Clinical Director

Medilux Healthcare Limited <http://www.mediluxhealth.net/>

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