



## State of Cyber knife Robotic Radiosurgery and Stereotactic Body Radiotherapy in treatment of Inter and extra- cranial Tumours in Australia and USA

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### Abstract

Cyber knife is an advanced robotic Stereotactic Radiosurgery technology that is used in Radiation oncology to treat brain and body tumours in cancer patients. The aim of this study was to find out how Cyber knife Image guided technology is being used in two cyber knife centres to provide treatment to patients with brain and other cancers. The views of a medical physicist and a Medical radiation therapist with clinical experience of using Cyber knife in two separate institutions based in Australia and USA were captured using an E-questionnaire. This study assessed clinical, technical, organizational and Educational strategies and resources employed to provide Cyber Knife treatment. This study showed current status of the state-of-the-art Cyber knife technology.

### Biography

Miss A. Taqaddas has speciality in Radiation oncology, Medical Physics and Radiation Protection. She has degrees in two disciplines i.e., Master of Science in Medical Physics and Bachelor of Science (Hons) Therapeutic Radiography from UK. She passed her radiation Protection Supervisor Exam from UK in 2012. She is the first author of a concise book on Volumetric Modulated Arc Therapy. She has presented her research work in international conferences in Australia, USA and Norway. She also acted as programme chair in ICRM 2014 conference in 2014. She has experience of working in Medical Physics and Radiotherapy departments in UK and Germany. She has experience of carrying out photon and proton Radiation treatment planning, delivery and dosimetry. She also acts as an invited Journal Reviewer for JMIRS. Canada. Since 2013 she has worked as Independent Research Radiation Oncology Physicist and have completed seven International research projects in various countries.

### Publications

Miss A. Taqaddas, State of Cyber knife Robotic Radiosurgery and Stereotactic Body Radiotherapy in treatment of Inter and extra- cranial Tumours in Australia and USA

19<sup>th</sup> Annual summit on Surgical Oncology  
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