

Thoracic Immobilisation for radiation treatment of cancer patients

**Host School/Institute: Radiation Oncology Department, Westmead Hospital,
Western Clinical School**

Project Code: WCS13

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Description of Project:

152 patients receiving radiation treatment for cancer in the thoracic are were recruited to a study examining the best way to immobilise the body to ensure accurate and reproducible radiation treatment on a daily basis. Xrays were taken at least once during the course of radiation (as a component of the prescribed radiation dose) to verify the treatment set-up accuracy and reproducibility. This project involves digitally / electronically matching these Xrays with the radiation treatment fields to record the variation in set-up for each of these patients. Subsequently the student will record the information in an established database, work with a data analyst, statistician, radiation therapist and radiation oncologist to interpret these results, and undertake the first draft of the research article as primary author.

The project will be undertaken at the Cancer Care Centre, Westmead Hospital.

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