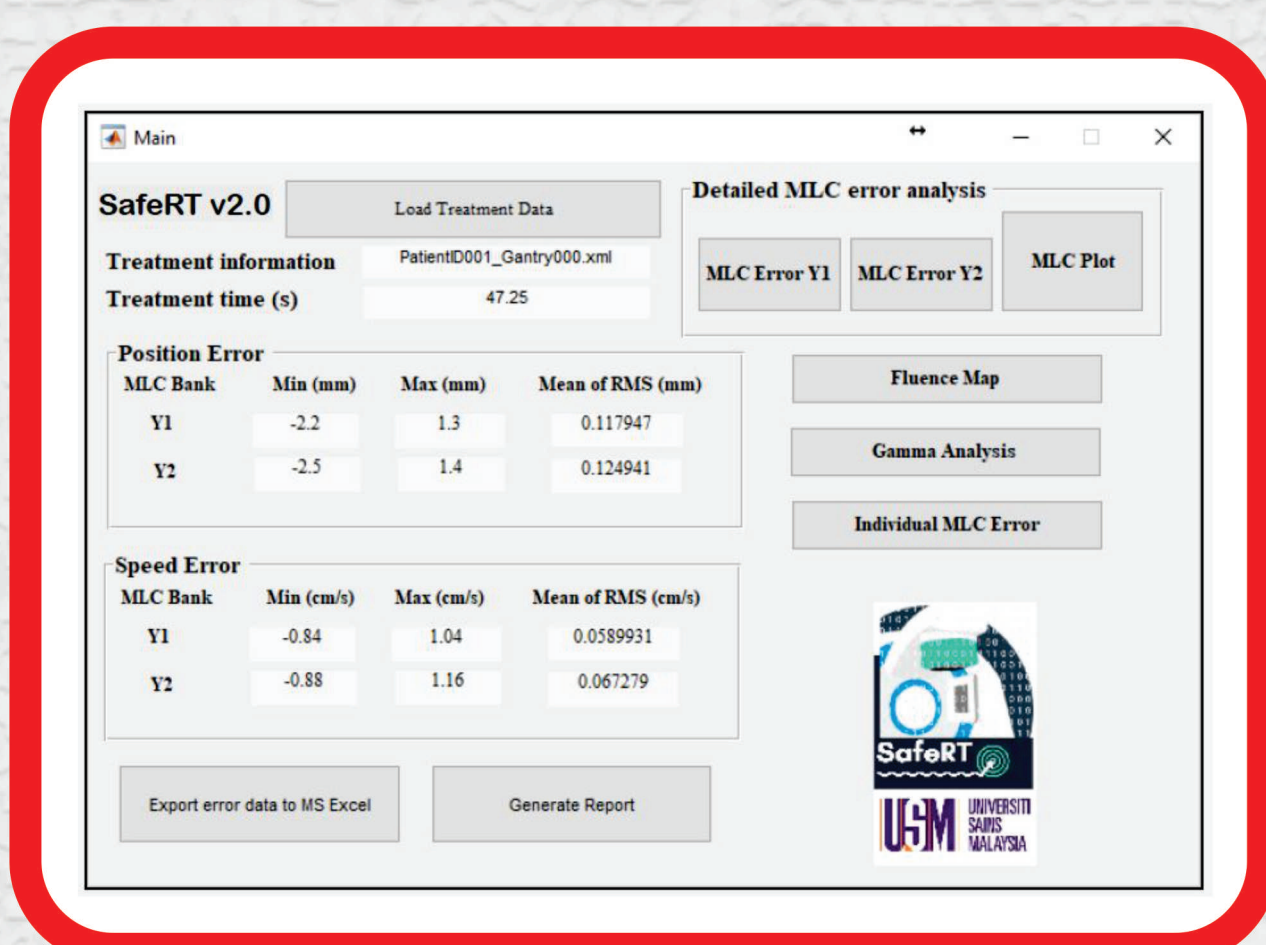




Researchers:
DR. MOHD HAFIZ MOHD ZIN
Kasmayanti Sakaria
Nur Shaheera Midi

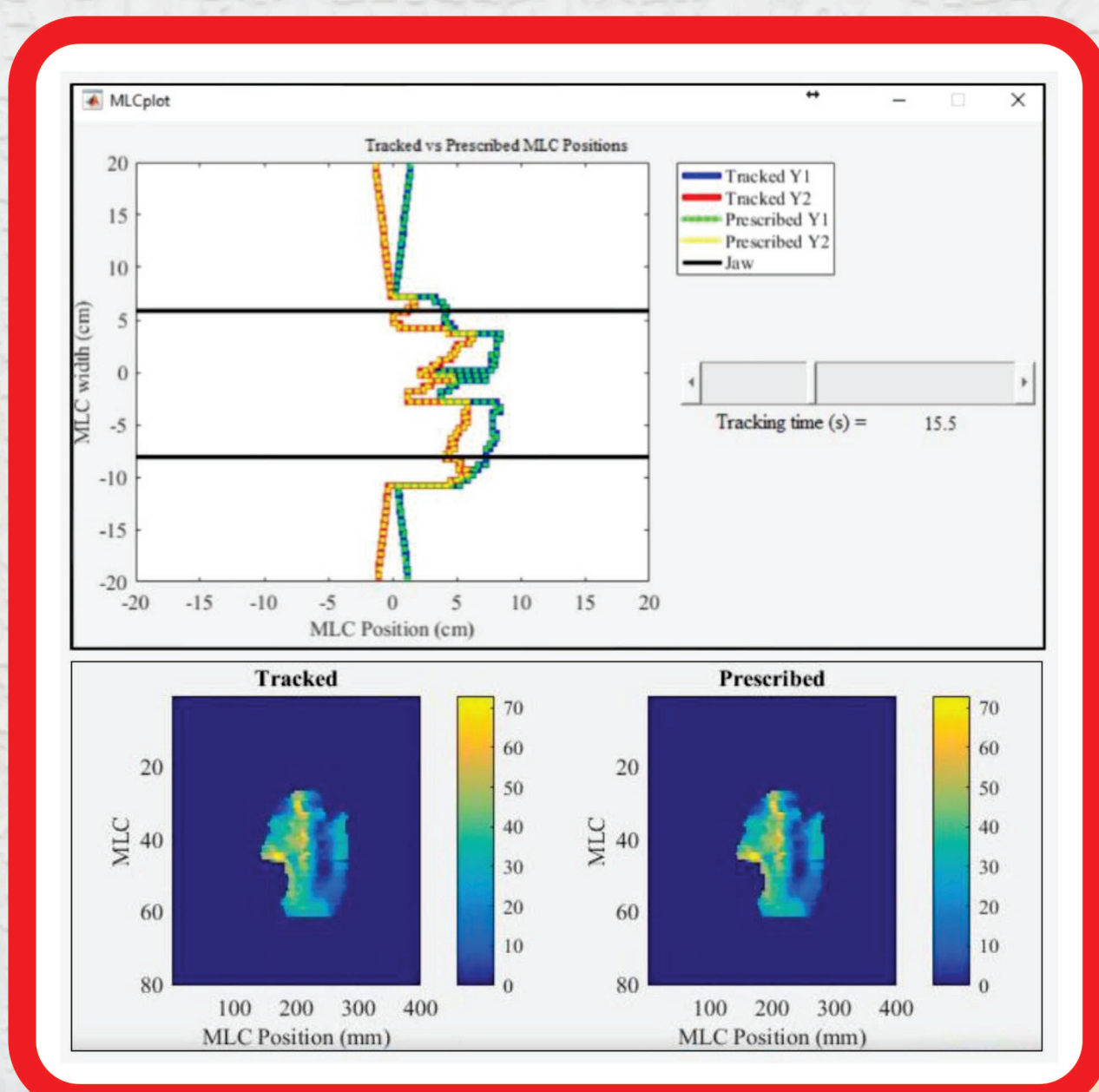
SafeRT 2.0: Software for Safe Radiotherapy Treatment of Cancer

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Introduction

SafeRT version 2.0 is a software to verify the accuracy of advanced radiotherapy treatment delivery and to monitor the performance of the radiotherapy linear accelerator using real-time treatment delivery data



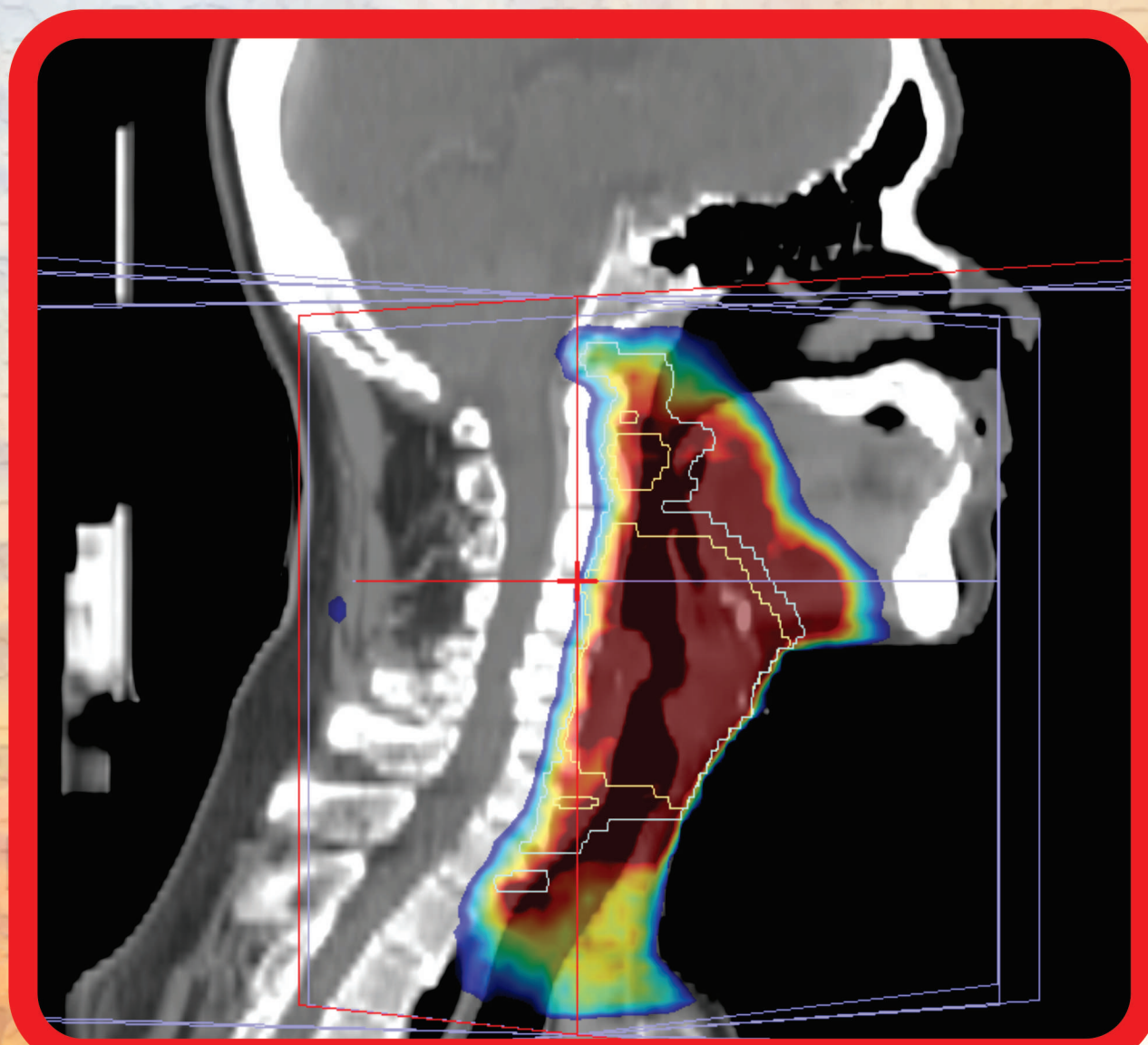
Problem Statement

Radiotherapy treatment is a sophisticated but an effective means of treating many types of cancer.

Quality assurance of the radiotherapy linear accelerator is important to ensure safe and accurate delivery of the targeted high radiation dose.

Inventiveness and Novelty

A computer algorithm that calculates the accuracy of the cancer treatment using real-time treatment parameters data from the radiotherapy linear accelerator.



Intellectual Property Status

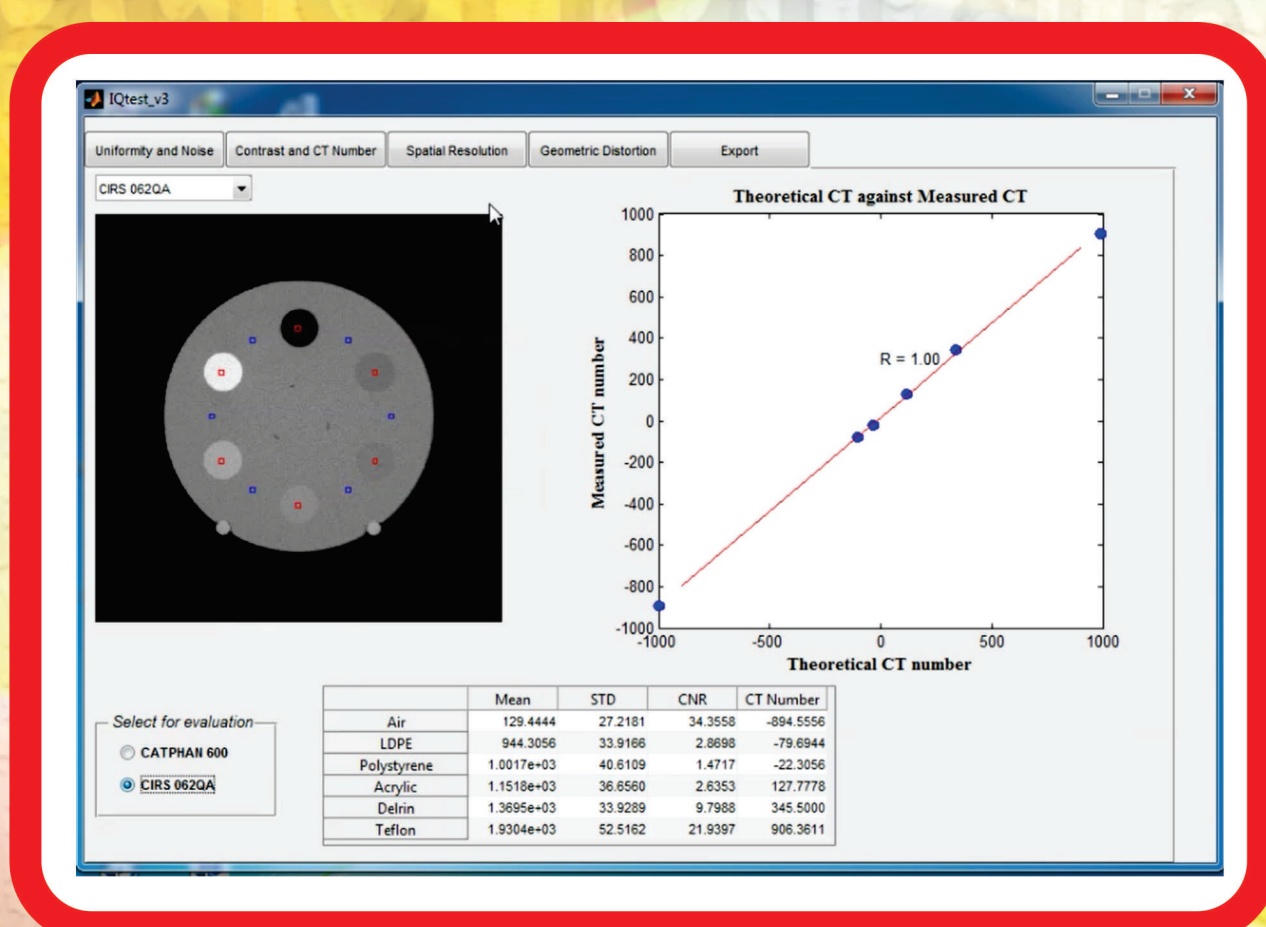
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Usefulness and Application

Simplifies the measurement process with a detector, but at the same time efficiently ensure that the radiation delivered to cancer patient is accurate.

Status of Invention

Clinical trials - national audit of radiotherapy treatment accuracy

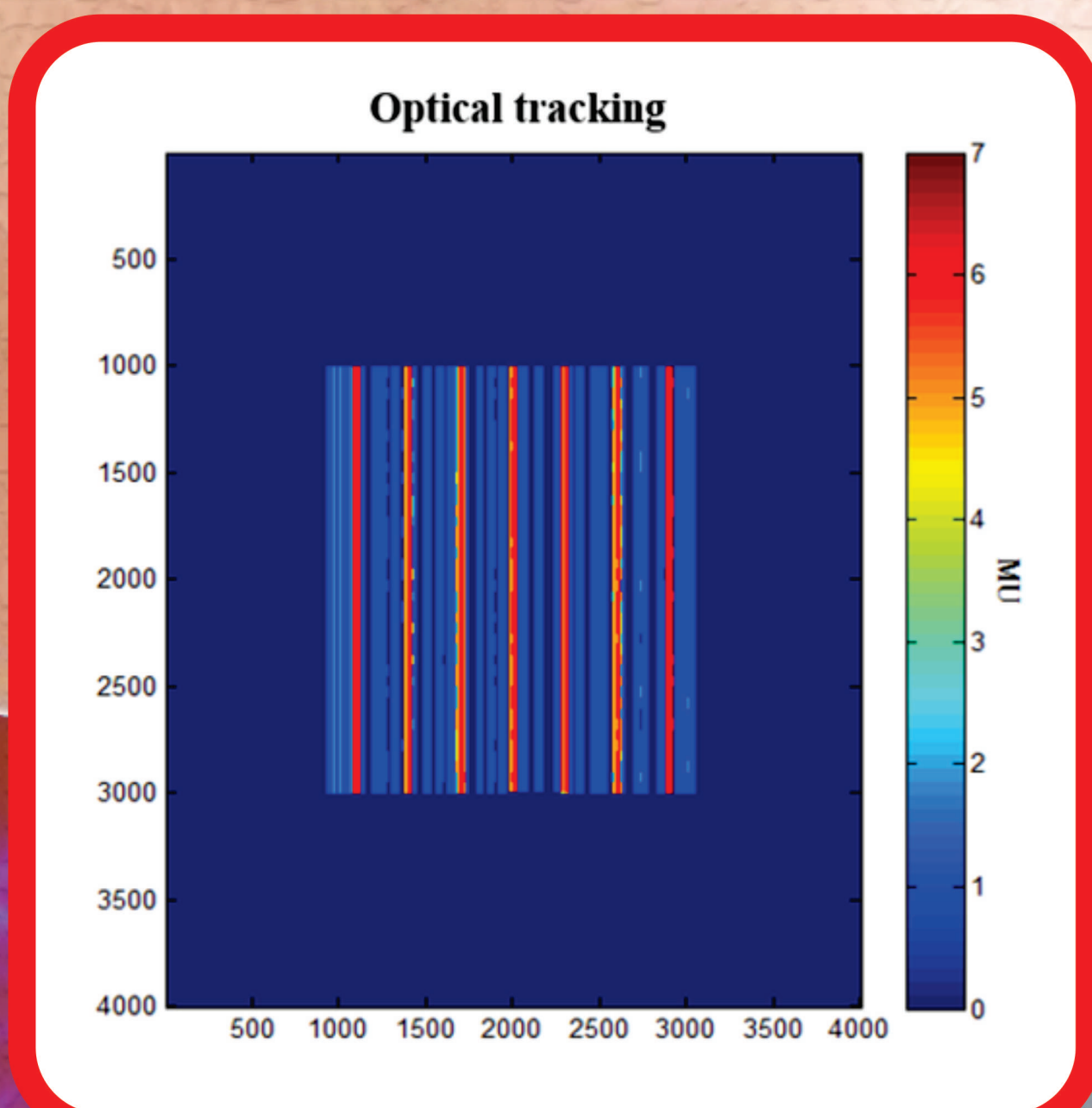


Commercial Potential

Unique features: comprehensive, versatile, time-saving and low-cost. Improve cancer patients cure rates and quality of life

Potential Partners

Manufacturers of radiotherapy linear accelerator
Cancer hospitals / institutes



Knowledge Management

Supporting grant: Prototype Research Grant Scheme 203/CIPPT/6740047
Scientific publications
Postgraduate students

Contact Person:

DR. MOHD HAFIZ MOHD ZIN

Advanced Medical & Dental Institute (AMDI) , Bertam Campus
Universiti Sains Malaysia, MALAYSIA

Tel: +604-562 2551 Fax: +604-532 2468 E-mail: hafiz.zin@gmail.com