

To be added to our mailing list, or to contact the TOHETI team, please email

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You can also visit our website www.toheti.org

TOHETI - Transforming Outcomes and Health Economics Through Imaging

OUR VISION:

How can we improve the way imaging is used in a patient's journey?

TOHETI is a large scale, innovative programme of work funded by Guy's and St Thomas' Charity. Working with NHS partners across Lambeth and Southwark, TOHETI aims to develop a vision for the future of imaging, with patient experience and outcomes at its core.

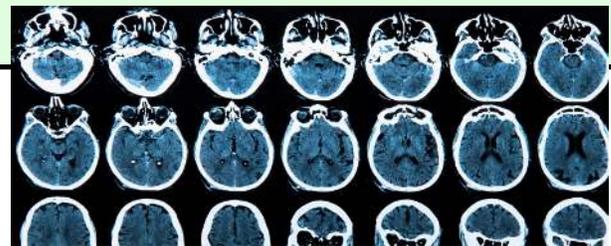
By changing the use of imaging in the patient pathway, and through the introduction of cutting edge new technology, TOHETI aims to show how imaging can be used more effectively as a diagnostic and therapeutic tool across a range of common patient pathways, as well as contributing to cost-effectiveness across King's Health Partners.



TOHETI focuses on four major transformational programmes:

1. **Improve accessibility to imaging and streamlining diagnostic pathways**
2. **Identifying ineffective treatments**
3. **Better targeting of treatments**
4. **Transforming our ways of working**

Through these pilot projects, TOHETI aims to develop an approach that will be owned by the local health economy, informed and led by patient experience, and which if successful, can be implemented and



1. IMPROVE ACCESSIBILITY TO IMAGING AND STREAMLINING DIAGNOSTIC PATHWAYS

Phase 1 of TOHETI focused on identifying pathways where changing the way imaging was used could see benefits from a patient outcome, experience and health economics perspective. Working with GPs, clinicians and imaging staff, models were developed to improve and revise pathways, taking into account the entire patient journey.

Pathways identified include breast, colon, prostate and lung cancers, persistent headache, acute chest pain, uterine fibroids and scaphoid fractures

2. IDENTIFYING INEFFECTIVE TREATMENTS

TOHETI funding has enabled a new £3.3 million PET-MR scanner to be installed at Guy's and St Thomas'. The new PET-MR scanner will allow clinicians to:

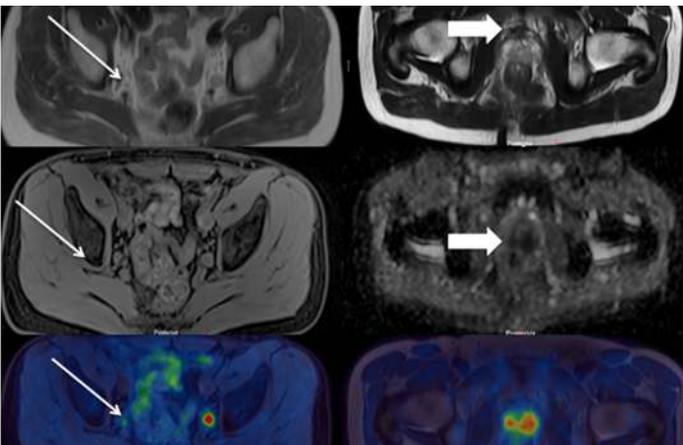
- assess therapy response much earlier in a course of cancer treatments to determine how well a patient is responding to a certain treatment
- discontinue ineffective treatments much earlier on and enable alternative treatments to be tested
- eliminate risk of side effects and even morbidity caused by ineffective treatments.



3. BETTER TARGETING OF TREATMENTS

Access to a £450K MR-guided High Intensity Focused Ultrasound (HIFU) system from December 2014 will transform the treatment of many patients, including those with uterine fibroids, prostate cancer and cancers that have metastasised to bone.

HIFU uses focused ultrasound waves to destroy pathological tissue by rapid heating, and is less invasive and outcomes are often much better than surgery. The additional imaging capacity afforded by MR-guided HIFU systems allows precise targeting and real-time temperature feedback. NICE guidelines now state that HIFU should only be performed with image guidance.



LEARNING FROM BEST PRACTICE

Transforming Healthcare – the Virginia Mason Way

In 2014, TOHETI team members, together with colleagues from the Climp directorate, senior staff across GSTT and colleagues from Primary Care and Public Health travelled to the Virginia Mason Institute in Seattle.



'The patient is always first'

The aim of the trip was to look at the way in which Virginia Mason have introduced and developed a culture and way of working centred around the patient, combined with a compelling ethos of continuous improvement and elimination of waste.

What we took away

"All the changes we saw were simple and required no IT or Estate solution. The difference was that the changes were made locally and spread to the organisation."

John Scoble, Associate Medical Director, GSTT

"The things I was most struck by at Virginia Mason were the commitment and enthusiasm of the teams to continuously look for ways of improving."

Elisabeth Pullar, Senior Nurse, GSTT

"I was very impressed with the deeply embedded culture of patient focus and the use of lean techniques to 'mistake-proof' all patient pathways and care."

Claire Lloyd, Paediatric Radiologist

4. TRANSFORMING OUR WAYS OF WORKING

TOHETI is all about **empowering change across primary and secondary care**, and we want these changes to be owned and led by those working on the frontline.

Meaningful engagement with our stakeholders is essential to ensure the programme's long-term success and viability. Input and feedback will be sought over the programme's duration from across all our stakeholder groups; clinicians and imaging staff, GPs, nurses, patients and patient groups, commissioners and other healthcare staff.



LATEST NEWS

With Phase 2 of TOHETI now well under way, an event was held on Wednesday 26th November for staff across the Clinical Imaging and Medical Physics Directorate (Climp) in Guy's and St Thomas', to hear more about progress on TOHETI and the programme ambitions going forwards, and to share questions, thoughts and ideas with the TOHETI team and executive champions.

Underpinning TOHETI's success will be how staff across the Hospitals are enabled to lead and own changes and improvements to ways of working, and this event helped demonstrate and embed this approach from the outset. A short introduction to the programme was given by Professor Reza Razavi, Head of the Division of Imaging Sciences and Biomedical Engineering, King's College London; Dr John Scoble, Deputy Medical Director, Guys and St Thomas' and Jo Turville, Associate Director, TOHETI.



Thank you to everyone who came along on the night, and expressed interest in working with us – we look forward to working with you and getting to know new colleagues over coming months!

GET IN TOUCH!

We're always happy to have a chat, answer any questions or discuss any ideas you may have. You can contact us toheti@kcl.ac.uk or give us a call on 0207 188 9529.

We look forward to working with you over Phase 2 of TOHETI, and to share in the programme's development and successes. You can also find out more about TOHETI at www.toheti.org