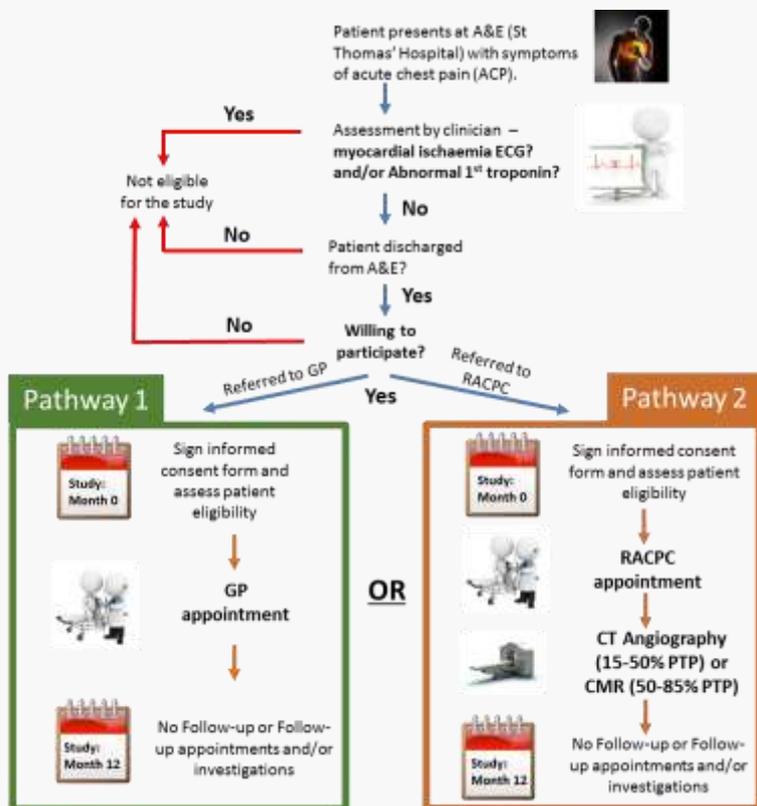


Transforming Outcomes and Health Economics through Imaging (TOHETI) is a four year Guy's and St Thomas' Charity funded programme, working with NHS partners across Lambeth and Southwark to develop a vision for the future of imaging, with patient experience and outcomes at its core. Delivery of the new TOHETI-funded CT and MRI scanners to Guy's and St Thomas' started in May 2016, increasing imaging capacity across the Trust and supporting the TOHETI research pathways of acute chest pain, colon and lung cancer, chronic headache and scaphoid fracture.

Acute Chest Pain research study approved to commence patient recruitment in January

The Acute Chest Pain research study aims to improve the management of patients who attend A&E with an episode of **Acute Chest Pain**. Many patients presenting with chest pain (7,000 per year at GSTT alone) are found, after initial tests, not to have experienced a heart attack, but do require further assessment as they may be considered at risk of a future heart attack.

Chest pain patients are currently referred to primary care for clinical assessment to determine the underlying cause of the attack. In the TOHETI study a new clinic called the **Rapid Access Chest Pain Clinic**, run by Dr Waqar Aziz, TOHETI Clinic Research Fellow, will be established and accept patients referred directly from A&E. The clinic will use the imaging techniques of **Computed Tomography Coronary Angiogram** and **Cardiac Magnetic Resonance Imaging** to determine whether the patient is suffering from **Coronary Artery Disease**, a potential underlying cause of Acute Chest Pain and a disease that can require frequent tests to reach a diagnosis.



Acute Chest Pain Research Pathway

The aim of the study is to evaluate whether the use of these imaging techniques, in patients referred to the Rapid Access Chest Pain Clinic, contributes to a more efficient diagnosis of Coronary Artery Disease. The outcomes of the new clinic, including efficiency, clinical care and patient satisfaction, will be compared to the existing clinical care pathway.

Dr Waqar Aziz explains his hopes for the study: *“TOHETI explores how imaging technology can be better utilised to improve patient experience and outcome, and the acute chest pathway is a great example of this. By directly referring patients, presenting to A&E with low risk acute chest pain, for further cardiac evaluation with cardiac CT and/or MRI imaging in a follow-up clinic, we aim to streamline the outpatient referral process and improve clinical care and efficiency. Patients will also be provided with greater reassurance, and a clear plan for further clinical management, improving their experience at a worrying time for them and their families.”*

TOHETI wins Patient Safety Champion Award, South London Innovation and Diffusion Awards 2016

The Innovation & Diffusion Awards highlight the very best in health, care and education, and support the spread and adoption of innovations across local communities in South London.



TOHETI was delighted to win the Patient Safety Champion Award, for our work on listening to, and empowering, women who have had uterine fibroids. Following a series of focus groups in April 2015 where patients stressed the need for more and better information, we worked with clinicians and patients to produce a short film and new patient information. The new patient information leaflet and video has been distributed to over 250 GP surgeries and 400 pharmacies across Southwark, Lambeth and Lewisham, to our referring Trusts, and online through GP data information systems DXS and the Trust website.



TOHETI shortlisted for two awards in HSJ Value in Healthcare Awards 2017

TOHETI has been shortlisted for the HSJ Value in Healthcare Awards 2017 under two categories: **Improving the value of diagnostic services** and **Obstetrics and Gynaecology**. The awards, held on 24th May 2017, “celebrates and promotes the finest achievements in NHS, and showcases them to the service’s most influential leaders”.



Our entry **Transforming Outcomes and Health Economics Through Imaging: How can imaging technology be better used to improve patient care?** describes the work TOHETI is doing to engage and empower staff to develop new ways of working, to drive the role that imaging plays in transforming services, whilst keeping patient experience and outcome at the centre of change. Our second entry **Patients as Catalysts: Improving information on uterine fibroids** focuses on the work that has been carried out with Women’s Health and Interventional Radiology to listen to, and empower, women who have had uterine fibroids.

Our nominations for these awards reflect the team’s hard work and the progress and impact TOHETI is making across the Trust. We are looking forward to what should be a great night!

A new multi-disciplinary clinic for patients with bone metastases – the first of its kind in the UK

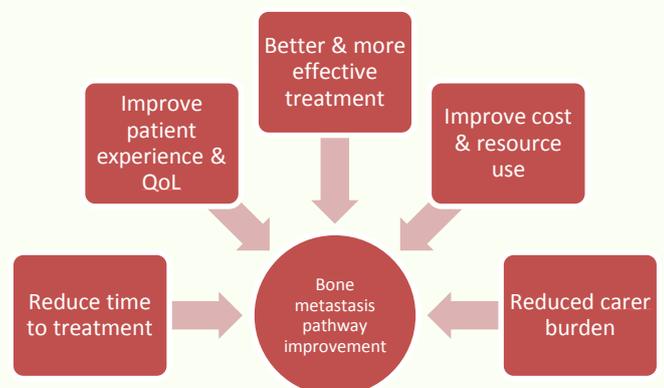
In the Spring, patients with **bone metastases** will see the implementation of a new **dedicated palliative bone metastases care clinic** - the first of its kind in the UK. In the weekly clinic, patients’ treatment will be discussed by a multidisciplinary team, with input from oncology, interventional radiology, radiotherapy, palliative care, anaesthetics and orthopaedics. By providing expertise from multiple disciplines, the clinic aims to meet the individual needs of each patient by delivering the best therapeutic options.

Patient target groups:

- Patients with poorly controlled metastatic bone pain which has not responded to medical analgesia
- Patients with radiotherapy refractory bone pain
- Patients at high risk of impending pathological fracture

“Bone metastases carry a significant disease burden for patients with advanced cancer, leading to severe pain, disability and risk of pathological fracture. A multi-disciplinary treatment approach provides patients with improved access to specialist care, ensuring that each patient has an individual treatment plan tailored to their needs. A major benefit of the clinic is that we can offer adjuvant therapy when standard treatments have been unsuccessful” - Professor Afshin Gangi, Lead in Oncological Interventional Radiology, Guy’s and St Thomas’

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The Fit For the Future Imaging Workstream

The Fit For the Future programme at Guy's and St Thomas' NHS Foundation Trust aims to improve the quality and safety of the care we offer our patients at the same time as delivering significant efficiency savings. Fit For the Future aims to transform the Trust into an organisation that embraces continuous improvement, so that we have the ability to adapt to whatever pressures we may face in the future.

Imaging forms one of the twelve core Fit For the Future workstreams. Building on the Clinical Imaging and Medical Physics (CLIMP) Directorate's recent ISAS (Imaging Services Accreditation Scheme) accreditation, and the service improvement and transformation work that the TOHETI programme is leading, CLIMP has demonstrated commitment as a Directorate, to embedding quality improvement into everyday practice. The learning that has been engendered through TOHETI will feed into the Fit For the Future Imaging Workstream and support its aims to further pull together Directorate-wide transformation/improvement themes.

Fit For the Future Imaging workstream transformation/improvement themes			
Interventional Radiology	Reporting capacity, efficiency and PACS	Internal Development (focusing on 25-30 staff)	Pathway optimisation & redesign (current & future)
<i>Improving workflow and development of Team</i>			
<ul style="list-style-type: none"> Development of Interventional Oncology Improving workflow and development of Team 	<ul style="list-style-type: none"> Options for future model for reporting. Acute reporting. Alerts. 	<ul style="list-style-type: none"> Agree data and language. Understand internal business and work smarter. Develop clear metrics and KPIs. Reduce DNAs. Siemens partnership 	<ul style="list-style-type: none"> Working with Clinical Units, external referrers, and Commercial Directorate to create services that support their patients.
<i>All supported by robust and clear input from Finance, HR, IT etc.</i>			

Our Workforce - Diagnostic, Interventional and Paediatric Radiology, Nuclear Medicine and Molecular Radiotherapy



SIEMENS MANAGEMENT CONSULTING

We are partnering with Siemens Management Consulting over a five-month period to drive the Internal Development workstream. We will, with Siemens' support, define key areas of work where there is most opportunity to derive benefit.

Implementation of their Radiology Performance Management System will enable us to agree metrics which can then be reflected using data pulled from CRIS and displayed in easy to read/understandable dashboards and monitored over time.

Objectives of the project are to:

- Improve operational grip
- Facilitate proactive management
- Activate capabilities to improve own area of work
- Work smarter
- Deliver against cost improvement targets
- Improve patient and staff experience



Our Transformation and Improvement themes