

TOHETI (Transforming Outcomes and Health Economics through Imaging) is a three 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. The last three months have seen the TOHETI team visit Sunderland to find out about transformation work in NE England, out and about meeting staff and members of public through the Guy's and St Thomas' Fit For the Future Roadshow and International Clinical Trials Day, and progressing work around our research pathways – in this issue we showcase our work around the scaphoid pathway. In June we ran a series of patient focus groups across Southwark and Lambeth for women considering treatment options for fibroids – hugely inspiring for us all. And you can also find us now on Twitter! Follow us @TOHETI\_Imaging – we'd love to hear from you.

### Using MRI as a first-line test to diagnose scaphoid (wrist) fractures

Wrist injury is a common presentation to A&E departments in the UK. Out of patients presenting with wrist pain and tenderness, at least two thirds will be found to have no fractures. Of the remaining patients, most do not present with an obvious scaphoid fracture.

Diagnosis of scaphoid fractures is challenging and some scaphoid fractures may go undiagnosed on first presentation (see example scans on the right). This can lead to complications and delay in healing of bones, later on. As a result patients may be placed in a plaster cast, even if a diagnosis has not been obtained.

TOHETI is leading a study to understand the benefits of using **MRI scans compared to X-ray images** (as currently used in standard care) as a first-line test to show and diagnose injury for patients presenting at emergency departments with wrist pain.

The study will investigate whether using MRI as the primary diagnostic tool to confirm scaphoid fracture, improves care and the management of the patient's injury, and estimate any associated cost benefits. Although MRI is a more expensive imaging test, by enabling faster diagnosis and treatment, the study anticipates that the need for follow-up visits at fracture clinic will be removed, allowing a more efficient pathway.

If the study results support this, the study aims to transform ways of working by introducing MRI, rather than X-ray, as a first examination in Emergency departments for suspected scaphoid fractures.



*The top image shows an X-ray taken of a patient's hand. The arrow marks the point where a fracture occurred, but the X-ray does not show this clearly. In this case, the X-ray was reported normal. However a follow-up MRI scan (bottom image) shows the fracture very clearly.*



*"This is a great opportunity to change the discourse around the most effective and accurate way of imaging patients with suspected scaphoid fractures, when they first attend A&E, and thereby significantly improve the quality of patient care"*

**Sam Gidwani, Consultant Orthopaedic Hand Surgeon  
Chief Investigator TOHETI Scaphoid Research Pathway**



## Fit for the Future Roadshow

Friday 8<sup>th</sup> and Tuesday 12<sup>th</sup> May

Fit for the Future is a Trust-wide programme that aims to build on our quality patient experience, outcomes and safety. We enjoyed meeting and chatting to staff across the Trust as part of the Fit for the Future Roadshow in May, along with other initiatives across the Trust.



## International Clinical Trials Day

On Tuesday 19<sup>th</sup> May, together with colleagues from King's College London's Imaging & Biomedical Engineering Division, we took part in a showcase as part of International Clinical Trials Day to raise awareness of some of the research that takes place across King's Health Partners, the benefits of clinical trials and how to get involved in research.

Imaging supports over 400 clinical trials across the Trust, across therapeutic areas including cardiology, rheumatology, haematology, orthopaedics and cancer. It was great to celebrate some of this work and to show how clinical research enables us to continue to improve services & capabilities.



## Guy's and St Thomas' Charity Breakfast Seminar



In May we were pleased to attend a breakfast seminar hosted by our funders Guy's and St Thomas' Charity. The

thought-provoking morning brought together people working and making decisions in healthcare in Lambeth and Southwark to discuss what it takes to create lasting change in our local system, and helped promote new conversations and dialogue.

## International Forum on Quality and Safety in Healthcare



Now in its 20th year, the International Forum on Quality and Safety in Healthcare is an annual gathering of professionals in quality improvement and patient safety.

Held this year in the Excel Centre, London, we attended sessions over 22 - 24 April, and were enthused by the stories and examples we heard. Recorded sessions can be watched here: <http://internationalforum.bmj.com/>

## Accessing Information on treatment for Fibroids

Over four lively, challenging and inspiring sessions held across Southwark and Lambeth in June, we met with women who have previously had, or are currently receiving treatment for fibroids at Guy's and St Thomas'.

We wanted to find out more about the information women receive when considering treatment options for management of fibroids and how we can better empower patients to make informed choices. Patients told us they really valued the chance to share their experiences and to hear from one another.

Our next steps are to continue working together with patients and clinical colleagues in Gynaecology and Interventional Radiology to develop resources that will better inform patients' understanding of treatment options, so they are better supported and equipped to ask questions and make decisions. We also hope these will be useful for GPs. We were blown away by the input, enthusiasm and commitment shown and we're excited to play a part in improving experience for future patients.



## Learning from Best Practice

As a transformation programme, TOHETI is touching on work across the Trust to look at culture change and ways of working. As part of this, in April 2015 the wider TOHETI team, together with colleagues from CLIMP (Clinical Imaging and Medical Physics), Guy's and St Thomas' Transformation Team, the Trust's Fit for the Future Programme, and Evelina Children's Hospital, visited **Sunderland Royal Hospital**, and the **Sunderland Nissan Plant**.



It was encouraging and energising for us to hear from colleagues at Sunderland Royal Hospital, who in 2008, embarked on a similar journey around transforming ways of working. As two NHS trusts with similar approaches and journeys ahead of us, we plan to continue to work together to reinforce learnings, challenge and mutually support one another. There are also insights to be gained from our different patient populations and their accompanying needs and challenges.

The two days gave us a chance to reflect on TOHETI's journey to date, and to think about upcoming challenges and opportunities we face as a programme, as well as how we link in with ongoing transformation work across the Trust. It was great to bring together colleagues from different areas to discuss issues, widen conversations, challenge one another and share learnings to bring back to our work here at Guy's and St Thomas'.



## Sunderland Royal Hospital

*Sunderland Royal is a 970-bedded acute hospital part of City Hospitals Sunderland NHS Foundation Trust.*

- Linked to the **North East Transformation System (NETS)** - an improvement collaborative in North East England, with a 10 year partnership with **Virginia Mason, Seattle**
- In 2008 the Hospital invested over half a million pounds in their **in-house Service Improvement team**.
- Clear commitment to transformation programmes and approaches across Senior Executive leaders, and this message is spread down across all staff
- **Staff at all levels trained together** around ways of working.
- Clear governance structure around corporate programmes – to include **enablers at Directorate level** across HR, Estates, IT etc.

*"We are all facing the same sort of challenges - just taking some time out to talk to others and share ideas helped re-energise and inspire us to carry on in the understanding that it won't always be easy, but that it is a journey worth taking."*

**Jo Turville, Programme Director, TOHETI**



## Sunderland Nissan Plant

*The Sunderland Plant is the European home of Nissan – producing over half a million cars each year – over one third of the UK's total annual car manufacturing output.*

- For Nissan, the **process is as important as the result**.
- Every second/penny counts. If half a million cars are manufactured each year, the saving of one second per car, or one penny per car can be seen to have a significant impact.
- The mission statement and company objectives are directly linked to employee objectives.
- The simplicity of visual management was striking

*"Nissan promoted a very open way of working, encouraging change and expecting employees to suggest areas of improvement to their ways of working"*

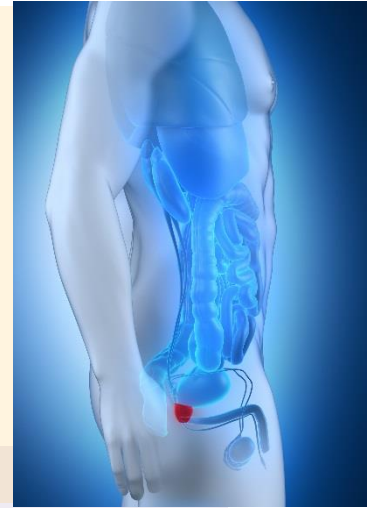
**Sophia Ho, Intelligence Analyst, TOHETI**

## Prostatology Away Day

On the 6<sup>th</sup> June TOHETI joined the wider prostatology team to look at opportunities and ideas to meet the growing demands for the service, and to improve the current pathways of care.

Led by the radiology clinical lead, the prostate TOHETI pathway is focused on delivering on the day MRI scanning at Guys Hospital for patients on the two week pathway.

This will speed up the early part of the pathway and stop patients having to come back for an MRI on another day.



## Coming up.... Fit for the Future Week and visit from Virginia Mason

Guy's and St Thomas' Fit for the Future Week is taking place over 29<sup>th</sup> June – 2<sup>nd</sup> July. As part of this, we are delighted that colleagues from the Virginia Mason Institute, Seattle will be visiting us, building on our relationship, and sharing their work and learning more widely with staff across the Trust.

The visit follows on from a series of trips made in June and October 2014 to Virginia Mason by members of the TOHETI team, colleagues from the CLIMP directorate (Clinical Imaging and Medical Physics), senior staff across Guy's and St Thomas' and colleagues from Primary Care and Public Health.

Virginia Mason are renowned leaders in healthcare, and have over the past twenty years 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.

As well as overview sessions to share their story and successes, there will also be some more specific tailored sessions for cancer and children's services, and Primary Care. We're really pleased that hosting Virginia Mason here as part of the FFF week will enable capitalising and building on the synergy of the week.

We are also pleased to be welcoming local colleagues from the Health Innovation Network and other local partners to share in this opportunity to take on learning and ideas from Virginia Mason, and to look at how these ideas could be applied more widely across our area of SE London.



## Continence Services – Rapid Improvement Week

Also over the Fit for the Future Week, a **Rapid Improvement Week** is being held to redesign continence services, bringing together a team from across Community, Colorectal, Elderly Care, Physiotherapy, Primary Care, Urogynaecology and Urology. TOHETI and Virginia Mason will be feeding into this and we look forward to reporting back in our next newsletter!