

Patient engagement in designing technology clinical trials

Leanna Goodwin (BSocSc, MRes)

Research Practitioner – digital Experimental Cancer Medicine Team

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The digital Experimental Cancer Medicine Team (dECMT) is a clinical decision science research group

Unrestricted

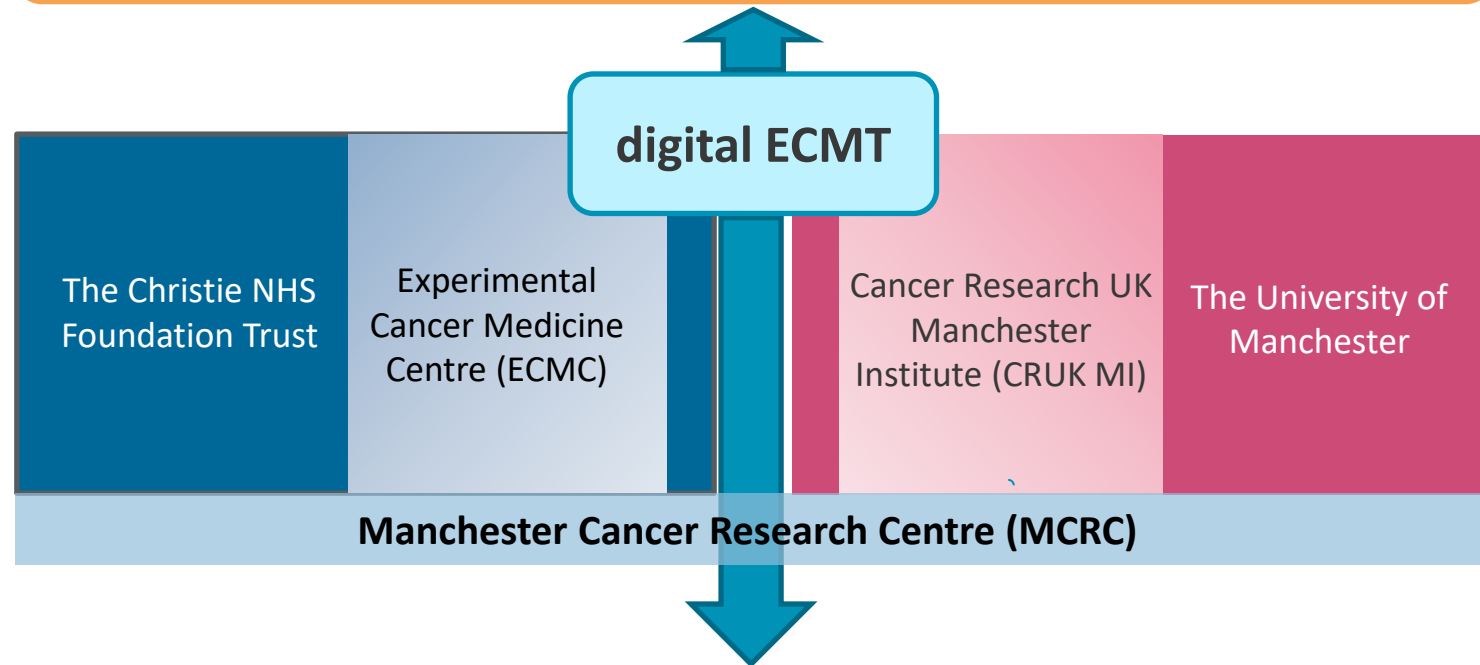


Our Vision – to digitally empower patients and healthcare professionals to innovate and design new cancer care pathways

Our Mission – To provide next generation patient cancer care through comprehensive data-driven evidence to enable:

- the transformation of clinical decision-making
- evolving the role of the patient
- improving patient outcomes

Multidisciplinary team, freedom to operate, focused on decision science R&D and patient benefit



We operate at the intersection between patients, science, technology and the clinic.

The dECMT is made up of specialists in several different areas, including our Technology Clinical Trials team



Strategic Director Dónal Landers

Technology Solutions
Paul Fitzpatrick

Richard Hoskins
Christopher Grave
Julie Stevenson
Fouziah Butt
Anja Le Blanc
Catherine McGuire

digital ECMT AI
Andre Freitas

Oskar Wysocki
Paul O'Regan
Zili Zhou

Portfolio
Administration
Laura Stephenson

Jenny Ward
Akshita Patil
Ciara Dwan

Technology Clinical
Trials
Donna Graham

Hannah Frost
Leanna Goodwin
Leanne Phillips

Jason Swift
(AZ-digital
ECMT
Collaborations)

Transforming the role of the patient to that of a co-researcher is key to our strategy moving forward



- The role of patients will change to one of co-researcher
- 2025: all patients will have the option to actively participate as co-researchers in their disease treatment through their direct involvement in the ideation, development and implementation of new technologically enabled care pathways at The Christie
 - Closer patient involvement with the management of their own care
 - Designing the lab in the home with the patient to work for the patient
 - Patient centred app design for delivery of information



The collaborative model of Technology Clinical Trials empowers patients to take on this active role

- Technology Clinical Trials look to test a technology or digital solution under the same clinical trial conditions as those used to test new drug treatments
- This means that there needs to be a clear purpose and research question, and an outcome measure that benefits patients
- These can involve several different areas of research depending on the clinical need



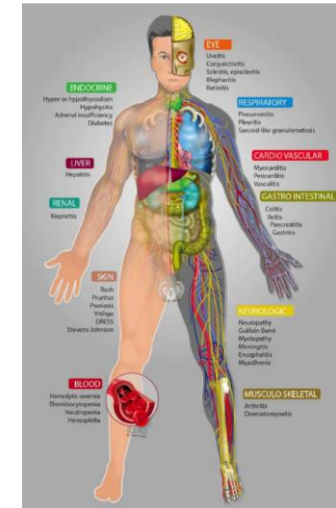
dECMT manages a developing portfolio of Technology Clinical Trials

- dECMT is currently managing a number of technology clinical trials within both The Christie and other sites
- Based alongside the Experimental Cancer Medicine Team in the Clinical Research Facility at The Christie, we are currently coordinating technology clinical trials across a number of different teams within the hospital

IN-HOME: Early detection of kidney injury



NOTION: Early detection of immune related adverse events

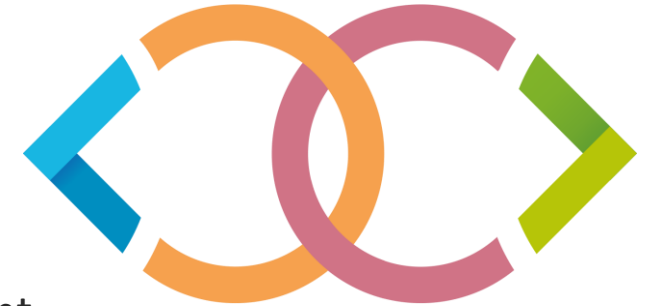


The novel role of dECMT Research Practitioner sits across the whole technology clinical trial process



As a Research Practitioner working exclusively on Technology Clinical Trials, my role involves both patient-facing and administrative elements:

- Setting up initial discussions with patients on participating in the trial
- Leading training sessions with patients once on trial to explain trial equipment and sampling processes
- Acting as a key point of contact for patients during trial participation
- Completing administrative tasks including maintaining the trial documentation, completing data entry, and tracking and reporting on the trial



dECMT is well placed to connect with patients and to incorporate their voices in to research

What do we do?

- Engage directly with patients as co-researchers on clinical trials
- Generate ideas with patients, research nurses and clinical teams
- Explore hypotheses, test and prototype solutions
- Focus on the solutions that offer the greatest patient benefit



Design Lab @ The Christie

The dECMT Design Lab in the Clinical Research Facility at The Christie NHS Foundation Trust was established in 2017

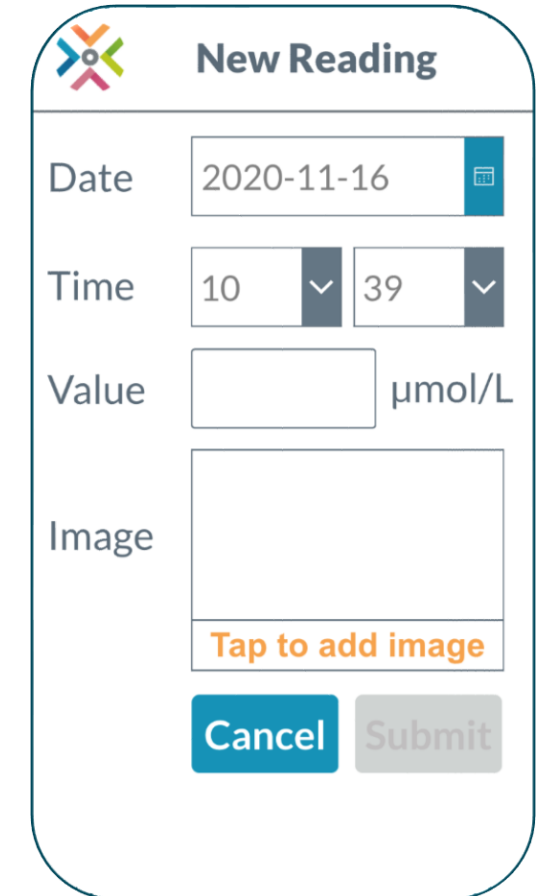
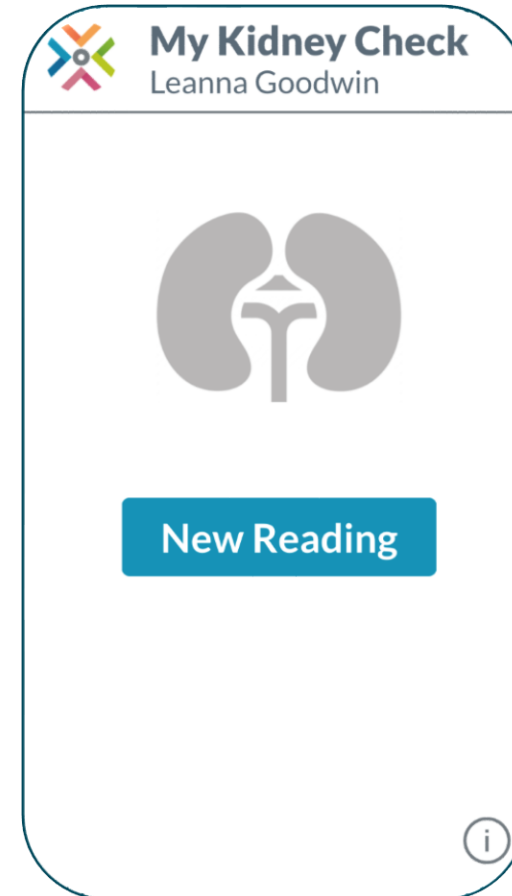
Our team consistently engages with patients on a wide range of topics

- In the dECMT we have previously conducted focus groups with:
 - Patient representatives managed by The Christie Marketing and Engagement Team, both in person and via Zoom
 - Volunteer participants from the Kidney Cancer Support Network
- We have also found opportunities to engage in 1:1 discussions with patients at The Christie CRF and with renal patients at the MRI
- The topics of these discussions include assessment of home monitoring devices, assessment of blood extraction devices, reviewing patient instructions for in-home blood sampling, and reviewing Patient Information Sheets



The patient experience of Part A of the IN-HOME trial has influenced the trial process going forward

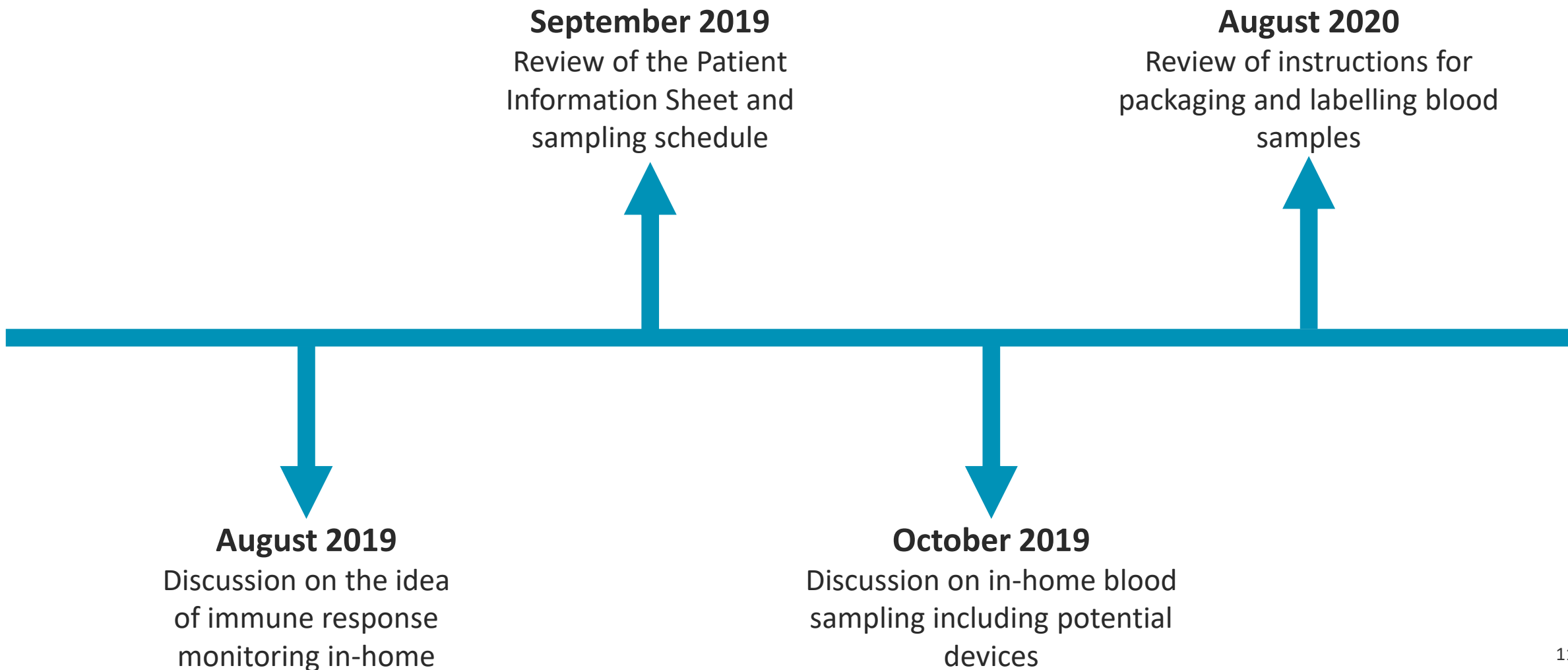
- As Part A of the IN-HOME trial was a feasibility stage, learning from the patient experience was vital for the overall success of the trial
- Conducting end of trial interviews with patients resulted in:
 - Suggested improvements to the trial app which we have been able to incorporate into Part B
 - Additional points to emphasise in the initial patient training and education sessions



Patient and public engagement has also been invaluable throughout the development of the NOTION trial



The trial steering committee overseeing the NOTION trial also includes a patient representative



What's next for patient and public engagement in the dECMT?

- In the digital Experimental Cancer Medicine Team, we are continuing to build connections across the North West and throughout the Experimental Cancer Medicine Centres UK network to help to increase patient and public engagement
- We continue to engage with patients at The Christie with regular focus groups
- The dECMT has also recently secured grant funding for a project focused on encouraging inclusivity in technology clinical trials:
 - This project will involve a workshop and other direct engagement with members of the public to understand how we can improve inclusivity
 - The key output from this project will be an inclusivity guidance document for the development, design, and conduct of technology clinical trials



Thank you

Engaging patients, driving decisions
www.digitalecmt.org



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