digital Experimental Cancer Medicine Team

Changing the conduct and interpretation of clinical trials

ECMC Annual Network Meeting 2019
23 May 2019
Engaging patients, driving decisions – case studies

**Patient Voice – empowering patients**
- PROACT – first trial of its type at The Christie
- Engaging research nurses and patients
- Coming soon to more sites and more trials

**eTARGET – decision support**
- Supports decision-making
- Centralises genomic NGS data – single patient view
- Automates data extraction
- Secure cloud infrastructure
- Enables virtual meetings

**Monitoring in the home**
- Adapting eligibility criteria
- Clinical trial in the home
- Device to measure creatinine
- Clinical algorithm and app
- Trial protocol in review

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• PROACT is a application, accessed via mobile phone app or website, for secure, two-way direct communication between clinical trial patients and their medical team.
  • Gives patients an additional way to contact medical team between visits
  • Gives sponsors a means to enhance their clinical and scientific data with an understanding of what that means for the patient
  • Empowers patients to contribute to drug discovery, development process
The PROACT application has a simple, clean interface.
PROACT enables collection and analysis of de-identified patient feedback
PROACT data are coded for analysis using a structured dictionary.

<table>
<thead>
<tr>
<th>Category</th>
<th>Safety</th>
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<tbody>
<tr>
<td>Group</td>
<td>Rash</td>
</tr>
<tr>
<td>Topic</td>
<td>Dry skin</td>
</tr>
<tr>
<td>Impact on QoL</td>
<td>Minimal</td>
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<tr>
<td>Outcome</td>
<td>Resolved</td>
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E1234AAA: “Experienced blotchy dry skin from Day 3 which didn’t affect my ability to function although it was distracting. It resolved after using a hydrating cream for a few days.”

Link to verbatim quote (minus patient identifying data) is retained.
PROACT usage and feedback from patients

Research staff were able to support participants in various ways, including:

- Self-care advice for minor symptoms
- Signposting to hospital hotline where needed
- Scheduling clinic appointments
- Advice regarding influenza vaccination
- Advice regarding return to work
Good morning, just a quick message to let you know that ... I’m alright but I’m quite tired today... umm ... I didn’t have a good nights sleep because just everything hurts, but I really really don’t want to take any more pain meds if at all possible. I’ll have an easy day and let you know what it’s like tomorrow ... bye

Tired_pain.mp4
Summary

• The digitalECMT sits between academic research and the clinic, which enables us to engage and work directly with patients and develop our decision science and Technology Clinical Trial capabilities

• We have experience and insight in the application of digital tools in clinical trials

• Patients are co-researchers in both clinical and digital innovation and we adopt a patient-centred design approach

• PROACT is one of our first Technology Clinical Trials:
  • Provides direct, unfiltered feedback from patients
  • Engages research nurses and patients
  • Informs sponsors about what the early phase clinical trial is like from the people involved
To find out more

- Interested to know how PROACT could help your patients in early clinical trials then please contact:
  - Paul.oregan@digitalecmt.org (PROACT Clinical Informatician)
  - Jenny.royle@digitalecmt.org (PROACT PI)

- Curious about our other research areas and projects? Contact us at info@digitalecmt.org

- Or visit www.digitalecmt.org

Hear the research nurses talking about PROACT

Click on the video link - Research Nurses video