



INNOVATION IN EDUCATION



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Patient-Centricity and Decentralised Trials

Initial learnings from RADIAL, a pan-European, decentralised and hybrid proof-of-concept trial

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Disclaimer

The research leading to these results was conducted as part of the Trials@Home consortium. This presentation only reflects the personal view of the stated authors and neither IMI nor the European Union, EFPIA, or any Associated Partners are responsible for any use that may be made of the information contained herein.

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Trials@Home project

The aim

Provide recommendations on Decentralised Clinical Trials (DCTs) in Europe

Project start September 1, 2019, due to end August 31, 2024

The consortium











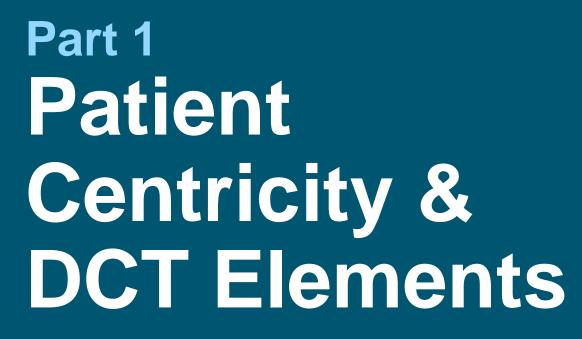


Content

- 1. Patient Centricity & Decentralised Trial Elements
- 2. RADIAL, a decentralised proof of concept trial
- 3. Patient Centricity Learnings from RADIAL













Decentralised clinical trials (DCTs)

Moving trials away from 'the centre', towards the participants' direct surroundings



















Santa-Ana-Tellez et al. Decentralised, patient-centric, site-less, virtual, and digital clinical trials? From confusion to consensus. https://doi.org/10.1016/j.drudis.2023.103520 | Icon by Google Inc.

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Patient-Centric Trials

Prioritises/Considers the needs, preferences and experiences of patients throughout the clinical trial.













Decentralised Trial = Patient-Centric Trials?

One is the goal and one is the (possible) means

























The what of the T@H RADIAL proof-of-concept study

- Pan-EU, Parallel-group, open-label, multi-centre study
- People with type 2 diabetes (with Hb1Ac 7-10%)
 - Switch basal insulin
 - Phase IV study
- Low-interventional trial
- Academic sponsor, but Consortium-initiated trial



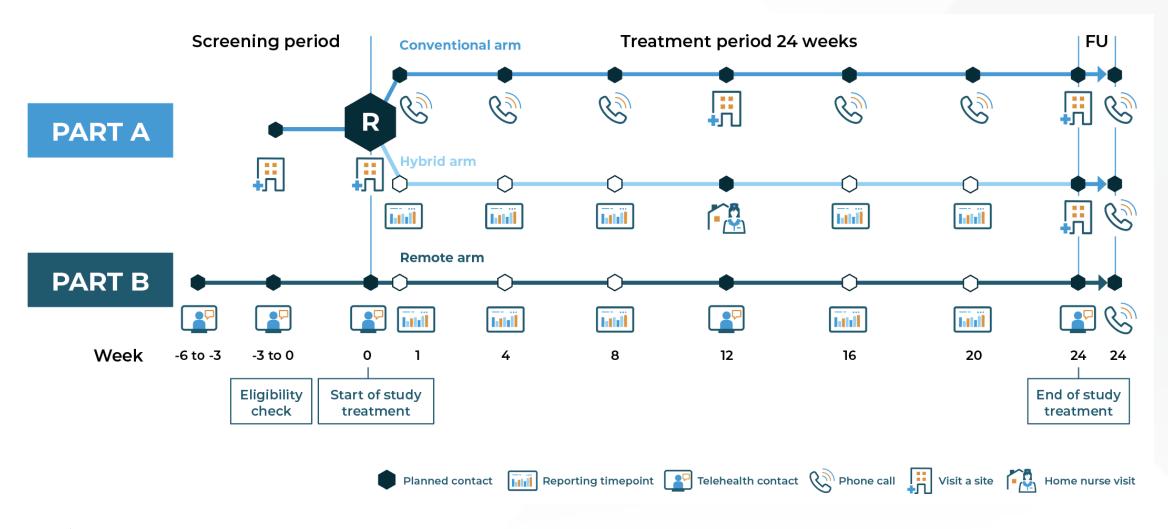








The how of the T@H RADIAL proof-of-concept study







Decentralised elements in RADIAL











Remote monitoring IMP adherence



Study app for reporting (S)AEs and ePROs



Direct to patient shipment of IMP











The why of the T@H RADIAL proof-of-concept study



aims to assess the scientific and operational quality of a fully decentralised and hybrid trial approach compared to a conventional trial approach

of DCTs in terms of safety, data quality and medical endpoints

(i.e., can we responsibly move to decentralized clinical trial approach?)

of DCTs, in terms of subject retention, recruitment, diversity, cost, and site and patient satisfaction

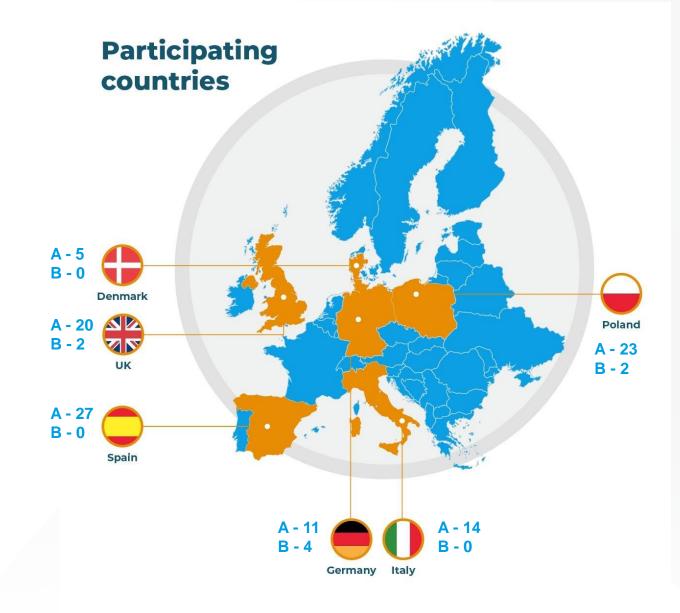






Current status

- Recruitment close, LPLV end 2024
- Total of 110 participants included
 - 102 Part A (hybrid and Conventional)
 - 8 Part B (remote)
- Collecting all operational learnings and experiences.











Part 3 Patient Centricity & RADIAL

















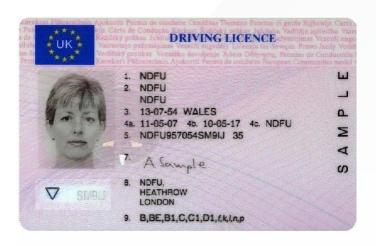


Signing eCosent with a QES

Please provide your e-identify yourself at the door.

- Regulatory Advice to level online signing of ICF to Qualified Electronic Signature (QES)
- eldentifcation with a government ID
 - UK -> official citizen ID card, but 15-25%* of the UK population does not have a passport











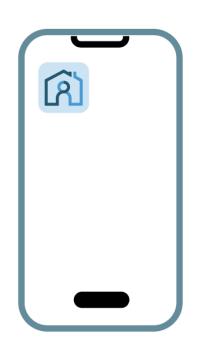




Bring your own device (BYOD) trial 1/2

RADIAL is a proof-of-concept; is the future of DCTs mostly BYOD?

- Operationalisation of providing smartphones is challenging
 - Costs
 - Internet access, internet plan
 - Scalability
- Sustainability
- User experience
 - Using two devices?
 - Using a 'strange' device?









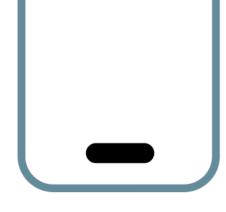


Bring your own device (BYOD) trial 2/2

RADIAL is a proof-of-concept; is the future of DCTs mostly BYOD?

- Feedback from sites: exclusion of participants due to having a (up-to-date) phone
 - Remote monitoring a big advantage for sites.
- Some (older) phone models were not supported by the smart device on Insulin
 - Loss of data
 - Manual back-up









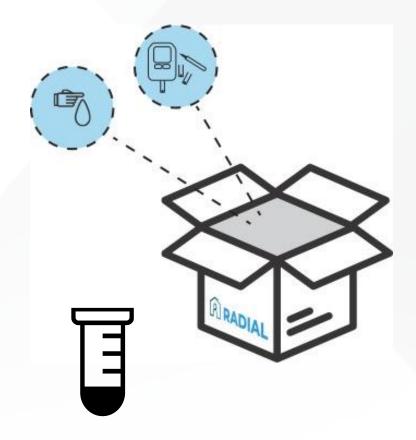




Home Deliveries and Sample Drop-offs

The trial on your doorstep?

- All study materials and IMP are delivered at the participant's house
- Blood samples taken by participant need to brought to a drop-off point.
 - Reimbursement?
 - Not all participants were able to do this.
- Solutions: Pick-up, Home Nurse, etc

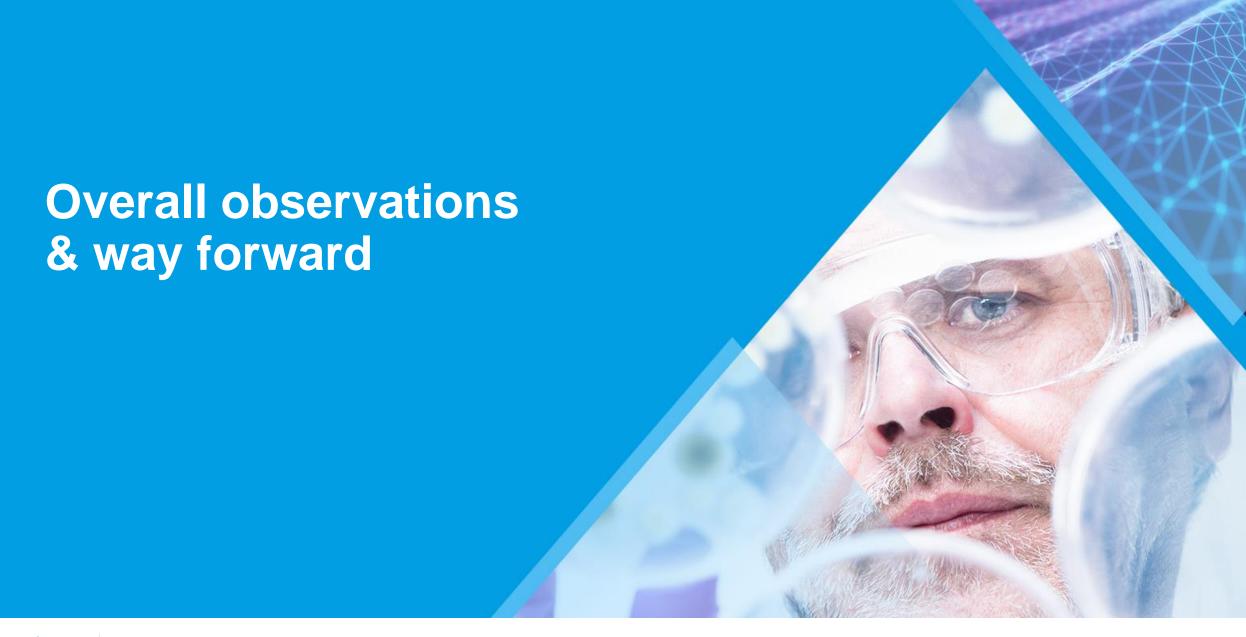


















Observations

- General interest in possible benefits of DCT approaches and willingness to contribute to the trial.
- Lessons on how decentralised elements are implemented in practice and how these might affect patient centricity in trials.
- Move forward; how should we design future trials with decentralised elements?

How to get involved?

- Looking for <u>Regulators/Ethics</u> for participation in an Expert, <u>Delphi study</u> determining the acceptable levels of "performance" of Key Performance Indicators (KPIs) of trial (Adherence, Data Quality, Safety Oversight).
- Exchange of Knowledge and Experiences

Thank you!

Further information on T@H and RADIAL

• Project website <u>www.trialsathome.com</u>

• Contact us at <u>trialsathome@umcutrecht.nl</u>, <u>www.imi.europa.eu</u>

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