

Tailoring treatment for HER2-positive early breast cancer

Submission date 05/10/2021	Recruitment status Recruiting	<input checked="" type="checkbox"/> Prospectively registered <input checked="" type="checkbox"/> Protocol
Registration date 11/10/2021	Overall study status Ongoing	<input type="checkbox"/> Statistical analysis plan <input type="checkbox"/> Results
Last Edited 12/03/2026	Condition category Cancer	<input type="checkbox"/> Individual participant data <input checked="" type="checkbox"/> Record updated in last year

Plain English summary of protocol

<https://www.cancerresearchuk.org/about-cancer/find-a-clinical-trial/a-study-looking-at-personalised-treatment-for-early-her2-positive-breast-cancer-her2-radical>

Background and study aims

Patients with the “HER2-positive” type of early breast cancer (HER2+ EBC) usually receive a course of drug treatment as well as surgery. This drug treatment improves chances of cure by destroying any breast cancer cells that might have already begun to spread. The aim is to reduce the burden of treatment and the risk of serious long-term side effects for some patients with HER2+ EBC. The researchers want to find out if they can adjust the amount of drug treatment given to patients after surgery according to the way the cancer initially responds to drug treatment before surgery.

Who can participate?

Patients aged 16 years and over with HER2+ EBC treated with neoadjuvant chemotherapy, pertuzumab and trastuzumab, who have a pathological complete response (pCR) at surgery.

What does the study involve?

Before entry into the study, a review of medical history and a pregnancy test (for all women who are able to get pregnant) will be conducted to determine if a patient is eligible to enter. Following study entry patients will continue to receive trastuzumab until a total of 9 cycles (about 6 months) of treatment have been given. This number of cycles includes the trastuzumab treatment received before entering the study. For patients who do not take part in the study it is likely that 17 or 18 cycles (about 1 year in total) of trastuzumab would be given. For some patients, the possibility of receiving pertuzumab and/or chemotherapy after surgery may have been discussed by their doctor, however, patients who have entered HER2-RADiCAL will not receive pertuzumab or any further chemotherapy after surgery. Patients will continue to receive trastuzumab in the same way that they would receive it if they were not taking part in the study. This may be as an injection under the skin or through a drip in the arm. During trastuzumab treatment the following assessments will be conducted. Before each cycle of trastuzumab the patient will have a discussion with their study doctor or nurse to document if there have been changes in their health since the last visit. Patients will continue to have their heart function measured with an echocardiogram (ECHO) or multiple gated acquisition (MUGA) scan in the

same way that would have happened if they were not taking part in the study. In many hospitals this will be done around 4 and 8 months after starting trastuzumab. Patients may receive other preventative treatments like hormone treatment, radiotherapy and bisphosphonates, just as they would if they were not taking part in this study. The study research team will request a sample of tumour tissue collected at the time of initial diagnosis and a copy of the pathology report. They will also ask for tissue samples (or images of tissue samples) collected at the time of surgery from about 100 study participants. These samples and images will be analysed by the research team to ensure that they agree with the diagnosis of pCR made by the hospital pathologist. About 30 days after the last cycle of trastuzumab, patients will have a discussion with their study doctor to document if there have been any changes in their health since the last visit. After treatment has finished, patients will have a mammogram and a follow up once a year for at least 5 years. The study research team also plan to collect routine information about the health of study participants, such as hospital admissions, information relating to their cancer, any treatments they might go on to receive and continued information about their overall health and wellbeing, from NHS databases.

What are the possible benefits and risks of participating?

By receiving a shorter duration of antibody treatment (trastuzumab and pertuzumab) and by not receiving adjuvant chemotherapy (if this had been discussed), patients may benefit from having fewer visits for treatment as well as a lower risk of short- and long-term side effects. Patients who take part in this study will be less likely to have some of these side effects because treatment is given for a shorter time.

By receiving less treatment patients may have a slightly increased risk of their cancer coming back. It is well known that patients who are suitable for this study have a high chance of remaining cancer-free with current treatment: about 96 in every 100 patients (96%) will remain free of cancer 3 years after diagnosis and about 94 in every 100 (94%) will remain cancer-free at 5 years from diagnosis. Based on previous research the study team think it is likely that carefully reducing treatment, as planned in this study, may not increase the risk of the cancer returning or may only increase the risk by a very small amount that could be balanced by the benefits of fewer side effects. However, this is not known for certain and this is why this research is being done. An independent group of scientists and doctors will closely monitor the progress and early results of the study to ensure that the continuation of the study remains safe and in the best interest of those patients volunteering to take part.

Where is the study run from?

The Institute of Cancer Research (ICR) (UK)

When is the study starting and how long is it expected to run for?

December 2019 to March 2032

Who is funding the study?

National Institute for Health Research – Health Technology Assessment (HTA) Programme (UK)

Who is the main contact?

Hannah Johnson

her2radical-icrctsu@icr.ac.uk

Contact information

Type(s)

Scientific

Contact name

Dr Hannah Johnson

Contact details

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+44 (0)20 3437 6712
her2radical-icrctsu@icr.ac.uk

Additional identifiers**Clinical Trials Information System (CTIS)**

2021-001240-10

Integrated Research Application System (IRAS)

292122

Central Portfolio Management System (CPMS)

50425

Study information**Scientific Title**

The HER2-RADiCAL study (Response ADaptive CAre pLan) – tailoring treatment for HER2 positive early breast cancer

Acronym

HER2-RADiCAL

Study objectives

HER2-RADiCAL seeks to test the hypothesis that a pathological complete response (pCR) to preoperative chemotherapy and anti-HER2 drug therapy can be used as a functional response biomarker to select patients who can safely receive less intensive personalised therapy, with minimal or no loss of efficacy in the population.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Approved 20/08/2021, London - South East Research Ethics Committee (Barlow House, 3rd Floor, 4 Minshull Street, Manchester, M1 3DZ, UK; +44 (0)207 104 8085; londonsoutheast.rec@hra.nhs.uk), REC ref: 21/LO/0529

Study design

Interventional non-randomized study

Primary study design

Interventional

Study type(s)

Treatment

Health condition(s) or problem(s) studied

HER2-positive early breast cancer

Interventions

Current interventions as of 21/12/2023:

Patients taking part in the study will continue treatment with trastuzumab until 9 cycles have been completed (rather than 18 cycles), including those cycles administered prior to study entry. No more pertuzumab will be given after study registration, and patients will not receive chemotherapy after surgery. Some patients may not receive a type of chemotherapy called an anthracycline if this was being deferred to after surgery. Any other treatment that might have been recommended (like hormone therapy or radiotherapy) will be given as normal.

Trastuzumab (original or biosimilar) should be given every 3 weeks to complete a total of 9 cycles including those cycles administered prior to study entry; the number of cycles given within the HER2-RADiCAL study is altered according to the number of cycles received prior to study entry. Trastuzumab may be administered via IV or subcutaneous routes in accordance with the standard practice at the site and will be administered as per the SmPC and local guidelines. Subcutaneous trastuzumab is administered at a dose of 600 mg every 3 weeks. Intravenous trastuzumab is administered at a dose of 6 mg/kg body weight every 3 weeks (with a loading dose of 8 mg/kg if required). No dose reductions are permitted.

Previous interventions:

Patients taking part in the study will continue treatment with trastuzumab until 9 cycles have been completed (rather than 18 cycles), including those cycles administered prior to study entry. No more pertuzumab will be given after study registration, and patients will not receive a type of chemotherapy called an anthracycline, or any other type of chemotherapy, after surgery. Any other treatment that might have been recommended (like hormone therapy or radiotherapy) will be given as normal.

Trastuzumab (original or biosimilar) should be given every 3 weeks to complete a total of 9 cycles including those cycles administered prior to study entry; the number of cycles given within the HER2-RADiCAL study is reduced according to the number of cycles received prior to study entry. Trastuzumab may be administered via IV or subcutaneous routes in accordance with the standard practice at the site and will be administered as per the SmPC and local guidelines. Subcutaneous trastuzumab is administered at a dose of 600 mg every 3 weeks. Intravenous trastuzumab is administered at a dose of 6 mg/kg body weight every 3 weeks (with a loading dose of 8 mg/kg if required). No dose reductions are permitted.

Intervention Type

Drug

Phase

Not Applicable

Drug/device/biological/vaccine name(s)

Trastuzumab

Primary outcome(s)

Relapse-free-interval (RFI), defined as time from registration to invasive local or distant relapse or death from breast cancer in the absence of a previously identified relapse (intercurrent deaths and second primary cancers censored). The primary timepoint of interest will be 3 years.

Key secondary outcome(s)

Efficacy:

1. Relapse-free-survival (RFS) defined as time from registration to invasive local or distant relapse or death from any cause (second primary cancers censored)
2. Invasive breast cancer-free survival (iBCFS) defined as time from registration to invasive local or distant relapse or ipsilateral or contralateral invasive second primary breast cancer (non-breast second primary cancers censored) or death from any cause
3. Invasive disease-free survival (iDFS) defined as time from registration to invasive local or distant recurrence, new invasive second cancer or death from any cause
4. Distant recurrence-free interval (DRFI) defined as time from registration to distant recurrence or death from any cause (second primary cancers and intercurrent deaths censored)
5. Breast cancer-free interval (BCFI) defined as time from registration to invasive local or distant relapse, or ipsilateral or contralateral invasive second primary breast cancer or DCIS or death from breast cancer in the absence of a previously identified relapse (intercurrent deaths and second primary cancers censored)
6. Overall survival defined as time from registration to death from any cause

Other:

1. Treatment pathway adherence: non-adherence is defined as the proportion of patients who receive >9 cycles of trastuzumab or who receive further adjuvant systemic anti-HER2 treatment (e.g. pertuzumab) or chemotherapy prior to recurrence or second primary
2. Cost-effectiveness: quality-adjusted life-years derived from a health economic model developed using clinical trial and real-world data at 3 and 5 years after study entry

Completion date

28/03/2032

Eligibility

Key inclusion criteria

Current inclusion criteria as of 21/12/2023:

1. Female or male, age ≥ 16 years
 2. Histologically confirmed invasive breast cancer that is HER2-positive (IHC3+, and/or ISH positive/amplified) as determined by the local laboratory in accordance with national guidelines
 3. Has received neoSACT chemotherapy with concomitant trastuzumab and pertuzumab
 4. pCR (ypT0/is ypN0) in breast and sampled regional lymph nodes as per local pathology reporting
 5. Imaging of breast and axilla prior to initiation of neoSACT and either:
 - 5.1. Breast primary radiological measurement ≤ 20 mm prior to neoSACT and limited nodal involvement (cN1) confirmed by axillary core biopsy or FNA (cT1N1)
- OR
- 5.2. Breast primary radiological measurement > 20 mm but ≤ 50 mm and node-negative (cT2N0)

or limited nodal involvement (cT2N1)

6. Multiple ipsilateral cancers are permitted provided at least one meets the tumour size and axillary node inclusion criteria and none meet any of the exclusion criteria
7. Bilateral cancers are permitted provided at least one meets the tumour size and axillary node inclusion criteria and none meet any of the exclusion criteria
8. Pre-treatment diagnostic breast tumour biopsy sample available
9. Patient must be fit to continue treatment with trastuzumab and have no concomitant medical, psychiatric or social problems that might interfere with informed consent, adherence to the reduced treatment pathway or follow-up
10. Provision of written informed consent to participate in HER2-RADiCAL

Previous inclusion criteria:

1. Female or male, age ≥ 16 years
2. Histologically confirmed invasive breast cancer that is HER2-positive (IHC3+, and/or ISH positive/amplified) as determined by the local laboratory in accordance with national guidelines
3. Has received neoSACT with a non-anthracycline chemotherapy regimen with at least 3 cycles of concomitant trastuzumab and pertuzumab
4. pCR (ypT0/is ypN0) in breast and sampled regional lymph nodes as per local pathology reporting
5. Imaging of breast and axilla prior to initiation of neoSACT and either:
 - 5.1. Breast primary radiological measurement ≤ 20 mm prior to neoSACT and limited nodal involvement (cN1) confirmed by axillary core biopsy or FNA (cT1N1)
- OR
- 5.2. Breast primary radiological measurement > 20 mm but ≤ 50 mm and node-negative (cT2N0) or limited nodal involvement (cT2N1)
6. Multiple ipsilateral cancers are permitted provided at least one meets the tumour size and axillary node inclusion criteria and none meet any of the exclusion criteria
7. Bilateral cancers are permitted provided at least one meets the tumour size and axillary node inclusion criteria and none meet any of the exclusion criteria
8. Pre-treatment diagnostic breast tumour biopsy sample available
9. Study consent ≤ 6 weeks after completing breast cancer surgery
10. Patient must be fit to continue treatment with trastuzumab and have no concomitant medical, psychiatric or social problems that might interfere with informed consent, adherence to the reduced treatment pathway or follow-up
11. Provision of written informed consent to participate in HER2-RADiCAL

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Mixed

Lower age limit

16 years

Upper age limit

120 years

Sex

All

Total final enrolment

0

Key exclusion criteria

Current exclusion criteria as of 21/12/2023:

1. Evidence of metastatic disease at any time since diagnosis
2. Any residual invasive disease following neoSACT. This includes isolated tumour cells in axillary nodes or tissue or evidence of lymphovascular invasion in the breast. Persistent ductal or lobular non-invasive disease (DCIS or LCIS) is permitted. Resection margins must be deemed clear of any residual DCIS according to local MDT protocol
3. Breast-conserving primary surgery where it is known that breast irradiation will not be administered (e.g. due to contraindication or patient preference)
4. Intraoperative assessment of post-neoSACT axillary SLN using one-stop nucleic acid amplification (OSNA)
5. Any planned further resectional surgery for breast cancer (including re-excision, mastectomy, or axillary surgery)
6. HER2-negative invasive breast carcinoma
7. Breast cancer with clinical stage of T \geq 3 at diagnosis
8. Evidence of scarring (or other pathological features consistent with previous malignant involvement) in >4 axillary nodes or clinical nodal stage N \geq 2 at any time
9. Positive SLNB pre-neoadjuvant systemic therapy as this precludes determination of pCR
10. Pregnant and/or lactating women
11. Female patient of child-bearing potential, unwilling to use an effective form of contraception during trastuzumab treatment and for 7 months after their last dose of trastuzumab
12. Previous diagnosis of invasive breast carcinoma
13. Previous diagnosis of any other (non-breast) malignancy unless disease-free for at least 5 years and considered to be at low risk of recurrence or treated basal cell or localised squamous cell carcinoma of the skin or cervical intraepithelial neoplasia
14. Chemotherapy administered following surgery (NB. Pertuzumab and/or trastuzumab may have been continued after surgery as per local practice prior to study entry)
15. Has received >9 cycles trastuzumab. In the event a patient has received 9 cycles prior to study entry then consent must occur within 3 weeks of the last dose of trastuzumab.
16. Clinically significant cardiac disease within 12 months of starting trastuzumab, including unstable angina, acute myocardial infarction, New York Heart Association Class III or IV congestive heart failure, cerebral vascular accident, or cardiac arrhythmia associated with haemodynamic instability
17. Left ventricular ejection fraction (LVEF) less than 50% on most recent cardiac imaging
18. History of interstitial lung disease
19. Any medical or other contra-indication to continuing trastuzumab

Previous exclusion criteria:

1. Evidence of metastatic disease at any time since diagnosis
2. Any residual invasive disease following neoSACT. This includes isolated tumour cells in axillary nodes or tissue or evidence of lymphovascular invasion in the breast. Persistent ductal or lobular non-invasive disease (DCIS or LCIS) is permitted. Resection margins must be deemed clear of any residual DCIS according to local MDT protocol
3. Any planned further resectional surgery for breast cancer (including re-excision, mastectomy, or axillary surgery)

4. HER2-negative invasive breast carcinoma
5. Breast cancer with clinical stage of T \geq 3 at diagnosis
6. Evidence of scarring (or other pathological features consistent with previous malignant involvement) in >4 axillary nodes or clinical nodal stage N \geq 2 at any time
7. Positive SLNB pre-neoadjuvant systemic therapy as this precludes determination of pCR
8. Pregnant and/or lactating women
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10. Previous diagnosis of invasive breast carcinoma
11. Previous diagnosis of any other (non-breast) malignancy unless disease-free for at least 5 years and considered to be at low risk of recurrence or treated basal cell or localised squamous cell carcinoma of the skin or cervical intraepithelial neoplasia
12. Chemotherapy administered following surgery (NB. Pertuzumab and/or trastuzumab may have been continued after surgery as per local practice prior to study entry)
13. Has received >9 cycles trastuzumab
14. Any medical or other contra-indication to continuing trastuzumab

Date of first enrolment

03/12/2021

Date of final enrolment

30/11/2027

Locations

Countries of recruitment

United Kingdom

England

Northern Ireland

Scotland

Wales

Study participating centre

New Victoria Hospital

55 Grange Road

Glasgow

Scotland

G42 9LF

Study participating centre

Belfast City Hospital

Lisburn Road

Belfast

Northern Ireland
BT9 7AB

Study participating centre
The Maidstone Hospital
Hermitage Lane
Maidstone
England
ME16 9QQ

Study participating centre
Royal Free Hospital
Pond Street
London
England
NW3 2QG

Study participating centre
Yeovil District Hospital
Higher Kingston
Yeovil
England
BA21 4AT

Study participating centre
Ysbyty Gwynedd
Penrhosgarnedd
Bangor
Wales
LL57 2PW

Study participating centre
Forth Valley Royal Hospital
Stirling Road
Larbert
Scotland
FK5 4WR

Study participating centre

Royal Cornwall Hospital

Treliske
Truro
England
TR1 3LJ

Study participating centre

Poole Hospital

Longfleet Road
Poole
England
BH15 2JB

Study participating centre

Kent & Canterbury Hospital

Ethelbert Road
Canterbury
England
CT1 3NG

Study participating centre

Christie Hospital

550 Wilmslow Road
Withington
Manchester
England
M20 4BX

Study participating centre

Medway Maritime Hospital

Windmill Road
Gillingham
England
ME7 5NY

Study participating centre

Borders

Borders General Hospital
Melrose
Scotland
TD6 9BS

Study participating centre

Isle of Wight NHS Trust

St Marys Hospital
Parkhurst Road
Newport
England
PO30 5TG

Study participating centre

Beatson West of Scotland Cancer Centre

1053 Great Western Road
Glasgow
Scotland
G12 0YN

Study participating centre

Royal Bournemouth Hospital

Castle Lane East
Bournemouth
England
BH7 7DW

Study participating centre

William Harvey Hospital

Kennington Road
Willesborough
Ashford
England
TN24 0LZ

Study participating centre

Queen Elizabeth the Queen Mother Hospital

St. Peters Road
Margate
England
CT9 4AN

Study participating centre

Nottingham University Hospitals NHS Trust - City Campus

Nottingham City Hospital
Hucknall Road
Nottingham
England
NG5 1PB

Study participating centre

Charing Cross Hospital

Fulham Palace Road
London
England
W6 8RF

Study participating centre

Bristol Haematology and Oncology Center

22 Horfield Rd
Bristol
England
BS2 8ED

Study participating centre

Peterborough City Hospital

Edith Cavell Campus
Bretton Gate
Bretton
Peterborough
England
PE3 9GZ

Study participating centre

Dumfries & Galloway Royal Infirmary

Cargenbridge
Dumfries
Dumfries and Galloway
Scotland
DG2 8RX

Study participating centre

Royal Lancaster Infirmary

Ashton Road

Lancaster
England
LA1 4RP

Study participating centre
Westmorland General Hospital
Burton Rd
Kendal
England
LA9 7RG

Study participating centre
Furness General Hospital
Dalton Lane
Barrow-in-furness
England
LA14 4LF

Study participating centre
Clatterbridge Cancer Centre
65 Pembroke PLACE
Liverpool
England
L7 8YA

Study participating centre
Weston Park Hospital
Whitham Rd
Broomhall
Sheffield
England
S10 2SJ

Study participating centre
Aberdeen Royal Infirmary
Foresterhill Road
Aberdeen
Scotland
AB25 2ZN

Study participating centre
West Middlesex University Hospital
Twickenham Road
Isleworth
England
TW7 6AF

Study participating centre
Weston General Hospital
Grange Road
Uphill
Weston-super-mare
England
BS23 4TQ

Study participating centre
Uclh
250 Euston Road
London
England
NW1 2PQ

Study participating centre
Royal Devon and Exeter Hospital
Royal Devon & Exeter Hospital
Barrack Road
Exeter
England
EX2 5DW

Study participating centre
Northampton General Hospital
Cliftonville
Northampton
England
NN1 5BD

Study participating centre
Airedale General
Airedale General Hospital

Skipton Road, Steeton
Keighley
England
BD20 6TD

Study participating centre

Addenbrookes

Addenbrookes Hospital
Hills Road
Cambridge
England
CB2 0QQ

Study participating centre

Altnagelvin Area Hospital

Glenshane Road
Londonderry
Northern Ireland
BT47 6SB

Study participating centre

Hampshire Hospitals NHS Foundation Trust

Basingstoke and North Hampshire Hos
Aldermaston Road
Basingstoke
England
RG24 9NA

Study participating centre

Bedford Hospital

Weller Wing
Kempston Road
Bedford
England
MK42 9DJ

Study participating centre

Castle Hill Hospital

Entrance 3
Castle Road
Cottingham

England
HU16 5JQ

Study participating centre

Hairmyres Primary Care OOH Centre

Hairmyres Hospital
Eaglesham Road
East Kilbride
Glasgow
Scotland
G75 8RG

Study participating centre

Harrogate and District NHS Foundation Trust

Harrogate District Hospital
Lancaster Park Road
Harrogate
England
HG2 7SX

Study participating centre

Ninewells Hospital

Ninewells Avenue
Dundee
Scotland
DD1 9SY

Study participating centre

Northumbria Healthcare NHS Foundation Trust

North Tyneside General Hospital
Rake Lane
North Shields
England
NE29 8NH

Study participating centre

Queen Alexandra Hospital

Southwick Hill Road
Cosham

Portsmouth
England
PO6 3LY

Study participating centre
Lewisham and Greenwich NHS Trust
University Hospital Lewisham
Lewisham High Street
London
England
SE13 6LH

Study participating centre
Queen Margaret Hospital
Whitefield Road
Dunfermline
Scotland
KY12 0SU

Study participating centre
Royal Albert Edward Infirmary Pathology Department
Royal Albert Edward Infirmary
Wigan Lane
Wigan
England
WN1 2NN

Study participating centre
Royal Blackburn Hospital
Haslingden Road
Blackburn
England
BB2 3HH

Study participating centre
Royal Hampshire County Hospital (rhch)
Romsey Road
Winchester
England
SO22 5DG

Study participating centre
Royal Shrewsbury Hospital
Mytton Oak Road
Shrewsbury
England
SY3 8XQ

Study participating centre
Royal Stoke University Hospital
Newcastle Road
Stoke-on-trent
England
ST4 6QG

Study participating centre
Leeds Teaching Hospitals NHS Trust
St. James's University Hospital
Beckett Street
Leeds
England
LS9 7TF

Study participating centre
St Johns Hospital
Howden Road West
Livingston
Scotland
EH54 6PP

Study participating centre
Torbay District General Hospital
Newton Road
Torquay
England
TQ2 7AA

Study participating centre
University Hospital Crosshouse
Kilmarnock Road

Kilmarnock
Scotland
KA2 0BE

Study participating centre
University Hospital of North Tees
Hardwick Road
Stockton-on-tees
England
TS19 8PE

Study participating centre
Velindre Cancer Centre
Velindre Road
Cardiff
Wales
CF14 2TL

Study participating centre
West Suffolk NHS Foundation Trust
West Suffolk Hospital
Hardwick Lane
Bury St. Edmunds
England
IP33 2QZ

Study participating centre
Western General Hospital
Crewe Road South
Edinburgh
Lothian
Scotland
EH4 2XU

Sponsor information

Organisation
Institute of Cancer Research

ROR

<https://ror.org/043jzw605>

Funder(s)

Funder type

Government

Funder Name

NIHR Evaluation, Trials and Studies Co-ordinating Centre (NETSCC); Grant Codes: .

Results and Publications

Individual participant data (IPD) sharing plan

The datasets generated and/or analysed during the current study will be available on request from the HER2-RADiCAL trial team via her2radical-icrctsu@icr.ac.uk via completion of a data access request form after such time that the primary analysis publication and any other key analyses have been completed. Optional advanced consent/authorisation for the possible future sharing of information collected about patients will be obtained at study entry.

IPD sharing plan summary

Available on request

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
HRA research summary			28/06/2023	No	No
Protocol file	version 2.0	11/10/2021	16/05/2022	No	No
Protocol file	version 4.0	24/02/2023	21/12/2023	No	No
Protocol file	version 6.0	22/04/2025	12/03/2026	No	No
Study website	Study website	11/11/2025	11/11/2025	No	Yes