

Role of following up patients with breast cancer with a mammogram in detecting recurrence

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| Submission date 15/02/2021 | Recruitment status No longer recruiting | <input type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol |
| Registration date 20/02/2021 | Overall study status Completed | <input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results |
| Last Edited 30/03/2023 | Condition category Cancer | <input type="checkbox"/> Individual participant data |

Plain English summary of protocol

Background and study aims

Breast cancer is the most common cancer in women. Routinely women who are diagnosed with breast cancer will be followed with a yearly mammogram (an X-ray test) for a minimum of 5 years. There is a little evidence that routine mammogram follow-up of patients treated for early breast cancer helps to detect recurrences or new cancers. The aim of this study is to follow up patients with early breast cancer for recurrences and new primary cancers in order to determine the role of mammogram follow up.

Who can participate?

Patients who were diagnosed with breast cancer either by screening or presented with symptoms from 2001 to 2006.

What does the study involve?

This is an observational study that follows up patients who had breast cancer from 2001 to 2006 for a minimum of 10 years or until recurrence of cancer to find out whether this recurrence was detected by follow-up mammogram.

What are the possible benefits and risks of participating?

There are no expected benefits or risks for participants

Where is the study run from?

Addenbrooke's Hospital (UK)

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

October 2015 to January 2016

Who is funding the study?

Investigator initiated and funded

Who is the main contact?

Wafa Taher

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Contact information

Type(s)

Scientific

Contact name

Miss Wafa Taher

Contact details

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Additional identifiers

Clinical Trials Information System (CTIS)

Nil known

ClinicalTrials.gov (NCT)

Nil known

Protocol serial number

Nil known

Study information

Scientific Title

The effectiveness of mammography surveillance after treatment of primary breast cancer: a single-centre retrospective cohort study

Acronym

MaSATPriBrCa

Study objectives

Is mammography surveillance after treatment of primary breast cancer efficient at detecting recurrence and new primaries?

Ethics approval required

Old ethics approval format

Ethics approval(s)

Access to patients' data was obtained through an official data request to Addenbrooke's Hospital Research Department. Formal ethics committee clearance was not needed as this was a service evaluation.

Study design

Single-centre retrospective primary observational study

Primary study design

Observational

Study type(s)

Diagnostic

Health condition(s) or problem(s) studied

New breast cancer/recurrence in patients with primary breast cancer after treatment

Interventions

Patients who had primary breast cancer during the years 2001 to 2006 were included and followed up for a minimum of 10 years. Patients who developed recurrence/new primaries are studied to find if that incident was picked up by a mammogram. All data are collected from the hospital database.

Intervention Type

Other

Primary outcome(s)

Effectiveness of follow-up mammography at detecting recurrences/new cancers, measured using the hospital database with a minimum of 10 years of follow-up

Key secondary outcome(s)

The rate of detection of recurrence/new primaries by mammogram between patients whose original tumour was detected by screening and those who presented symptomatically, measured using the hospital database with a minimum of 10 years of follow-up

Completion date

01/01/2016

Eligibility**Key inclusion criteria**

Patients who had primary breast cancer during year 2001 to 2006

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Sex

Female

Total final enrolment

2530

Key exclusion criteria

1. Patients with distant metastasis or regional recurrence (chest wall, mastectomy scar or axilla)
2. Patients who were lost to follow-up or had no records
3. Patients who died because of reasons other than breast cancer during 10 years of follow-up and who were recurrence-free at the time of death

Date of first enrolment

01/01/2001

Date of final enrolment

30/06/2006

Locations**Countries of recruitment**

United Kingdom

England

Study participating centre**Addenbrooke's Hospital**

Breast Unit

Cambridge University Hospitals NHS Foundation Trust

Hills Road

Cambridge

United Kingdom

CB2 0QQ

Sponsor information**Organisation**

University of East Anglia

ROR

<https://ror.org/026k5mg93>

Funder(s)**Funder type**

Other

Funder Name

Investigator initiated and funded

Results and Publications

Individual participant data (IPD) sharing plan

The datasets generated during and/or analysed during the current study are/will be available upon request from Wafa Taher (wafa.taher@nhs.net).

IPD sharing plan summary

Available on request

Study outputs

| Output type | Details | Date created | Date added | Peer reviewed? | Patient-facing? |
|---------------------------------|---------|--------------|------------|----------------|-----------------|
| Results article | results | 09/04/2021 | 30/03/2023 | Yes | No |