

Integration of 3D-conformal, local radiotherapy (3DCRT) to metastatic sites in a paclitaxel weekly chemotherapy regimen in oligometastatic breast cancer patients: A phase I- and randomised phase II-study

Submission date 01/06/2005	Recruitment status No longer recruiting	☒ Prospectively registered ☐ Protocol
Registration date 05/07/2005	Overall study status Completed	☐ Statistical analysis plan ☐ Results
Last Edited 12/01/2021	Condition category Cancer	☐ Individual participant data ☐ Record updated in last year

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Protocol serial number
KKSH-14

Study information

Scientific Title

Integration of 3D-conformal, local radiotherapy (3DCRT) to metastatic sites in a paclitaxel weekly chemotherapy regimen in oligometastatic breast cancer patients: A phase I- and randomised phase II-study

Acronym

PACLITAXEL-3DCRT

Study objectives

Local 3D conformal radiotherapy to metastatic sites, provided in addition to systemic chemotherapy with paclitaxel weekly, improves progression-free-survival in patients with oligometastatic breast cancer

Ethics approval required

Old ethics approval format

Ethics approval(s)

No ethics information provided at time of registration.

Primary study design

Interventional

Study design

Randomised controlled trial

Study type(s)

Treatment

Health condition(s) or problem(s) studied

Metastatic breast cancer

Interventions

Chemotherapy with paclitaxel weekly in both groups with additional 3D conformal radiotherapy to metastatic sites in the experimental arm

Intervention Type

Other

Phase

Phase I/II

Primary outcome(s)

Progression-free-survival in both study arms, as measured by the one-year progression free survival rate

Key secondary outcome(s)

1. Objective tumor response rate
2. Toxicity
3. Overall survival, as measured by 1-, 2-, and 3-year survival rates
4. Clinical benefit (defined as the proportion of patients with stable disease [SD] >24 weeks,

complete response [CR] and partial response [PR])

5. Quality of life, as measured by European Organisation for Research and Treatment of Cancer (EORTC) quality of life questionnaires (QLQ) C30 and BR-23 in both study arms

Completion date

01/10/2011

Eligibility

Key inclusion criteria

1. Women with histologically or cytologically confirmed, oligometastatic (stage IV) breast cancer, defined as: more than or equal to three metastatic lesions, or primary tumor and more than or equal to two metastatic lesions not amenable to curative surgery for medical or surgical reasons
2. Estrogen- and progesterone receptor negative status, hormone-refractory or rapid progressive disease
3. Measurable disease according to Response Evaluation Criteria in Solid Tumors (RECIST) (except patients with metastatic lesions confined to the bones who may be included in case of non-measurable, but assessable disease)
4. Age 18 to 75 years, Performance Status (PS) zero to one
5. Adequate renal, hematological and hepatic function
6. Minimum estimated life expectancy three months
7. Written informed consent
8. Absence of any condition potentially hampering compliance with the study protocol and follow-up schedule

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Adult

Lower age limit

18 Years

Sex

Female

Key exclusion criteria

1. Patients with cerebral metastasis as well as metastasis in anatomic proximity to periphery nerves precluding the delivery of the planned radiochemotherapy
2. Malignant ascites, pericardial or pleural effusions
3. Concomitant malignancy (except basal cell skin carcinoma and carcinoma in situ of the uterine cervix)
4. Pregnant or lactating women, unclear contraception
5. Prior radiation to the metastatic sites
6. Prior treatment with taxanes
7. Known hypersensitivity to taxanes or cremophor EL

8. Patients with a history of grade III/IV peripheral neuropathy of any aetiology
9. Patients with diabetes mellitus and a peripheral neuropathy of any etiology

Date of first enrolment

01/10/2005

Date of final enrolment

01/10/2011

Locations

Countries of recruitment

Germany

Study participating centre

Koordinationszentrum für Klinische Studien

Halle/Saale

Germany

06120

Sponsor information

Organisation

Martin-Luther-University (Germany)

ROR

<https://ror.org/05gqaka33>

Funder(s)

Funder type

Government

Funder Name

German Federal Ministry of Education and Research (Bundesministerium Für Bildung und Forschung) (BMBF) (grant no. 01ZP0301/G)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary
Not provided at time of registration