

Clinical Trial Protocol

Iranian Registry of Clinical Trials

15 Jul 2026

Assessment of Tolerability, Response and Complications of Capecitabine added to Cisplatin for Concurrent Chemoradiation of Muscle Invasive Bladder Cancer

Protocol summary

Study aim

Determination of tolerability, Response and Complications of Capecitabine added to Cisplatin for Concurrent Chemoradiation of Muscle Invasive Bladder Cancer

Design

Patients with muscle invasive bladder cancer (T2 to T4a) TCC pathology Referred by an urologist for concurrent chemoradiation of bladder cancer. Based on the formula for calculating the estimated prevalence of a variable (tolerability of treatment) in a sample with an acceptable difference from the prevalence in the community (patients who endured the treatment, according to the study of RTOG 95-06, in which in 81% the treatment was completed. Approximately 23 patients would be required, including 10% falling out it would be about 25 patients. This study will be performed as a non-randomized and single-arm, phase 1-2 clinical trial.

Settings and conduct

25 patients with TCC, stage T2-T4a, first undergo the resection of the tumor as far as possible by the transurethral resection method. The patients would be irradiated to the total dose of 66 Gy in 33 fractions. Concurrently Cisplatin and Capecitabine. During the treatment Lab. Data would be checked weekly and The standard questionnaire CTCAE4.03 2010 would be filled. Three months later, cystoscopy and biopsy from the tumor bed and urine cytology would be repeated.

Participants/Inclusion and exclusion criteria

Patients with muscle invasive bladder cancer (T2 to T4a) TCC pathology; patient's refusal of radical cystectomy or not being candidate to do that due to medical comorbidities referred by an urologist for concurrent chemoradiation of bladder cancer

Intervention groups

Prescribing Capecitabine in combination with Cisplatin in concurrent chemoradiation in muscle invasive bladder

cancer

Main outcome variables

Determination of tolerability and course completeness of Capecitabine added to Cisplatin for concurrent chemoradiation of muscle invasive bladder cancer

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20180815040801N1**

Registration date: **2019-02-06, 1397/11/17**

Registration timing: **retrospective**

Last update: **2019-02-06, 1397/11/17**

Update count: **0**

Registration date

2019-02-06, 1397/11/17

Registrant information

Name

Peiman Haddad

Name of organization / entity

Country

Iran (Islamic Republic of)

Phone

+98 21 6119 2567

Email address

haddad@tums.ac.ir

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2018-01-20, 1396/10/30

Expected recruitment end date

2019-01-20, 1397/10/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Assessment of Tolerability, Response and Complications of Capecitabine added to Cisplatin for Concurrent Chemoradiation of Muscle Invasive Bladder Cancer

Public title

The Effect of Capecitabine and Cisplatin as a Radiosensitizer in Radiation of Bladder Cancer

Purpose

Treatment

Inclusion/Exclusion criteria**Inclusion criteria:**

Patients with muscle invasive bladder cancer (T2 to T4a) TCC pathology Patient's refusal of radical cystectomy or not being candidate to do that due to medical comorbidities Referred by an urologist for concurrent chemoradiation of bladder cancer

Exclusion criteria:

Hydronephrosis that does not resolve with usual treatments Lymphatic or distant metastasis Cr>2 GFR <30 WBC<3000 PLT<80,000

Age

No age limit

Gender

Both

Phase

1-2

Groups that have been masked

No information

Sample size

Target sample size: 25

Randomization (investigator's opinion)

N/A

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Single

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Tehran University of Medical Sciences

Street address

Imam khomeini Hospital, Keshavarz Blvd, Tehran

City

Tehran

Province

Tehran

Postal code

1419733141

Approval date

2018-01-15, 1396/10/25

Ethics committee reference number

IR.TUMS.IKHC.REC.1396.4240

Health conditions studied**1****Description of health condition studied**

Bladder cancer

ICD-10 code

C67.9

ICD-10 code description

Malignant neoplasm of bladder, unspecified

Primary outcomes**1****Description**

The amount of treatment tolerability and completion in adding capecitabine to cisplatin in comoradiation of muscle invasive bladder cancer

Timepoint

Weekly during treatment and three months after termination of the treatment

Method of measurement

CTCAE 4.03 2010 (Common Terminology Criteria for Adverse Events)

Secondary outcomes

empty

Intervention groups**1****Description**

Intervention group: Patients with muscle invasive bladder cancer at T2-T4aN0M0 stage referring to Department of Radiation Oncology Cancer Institute. In this study, 25 patients with Transitional Cell Carcinoma (TCC), stage T2-T4a who are candidates for radical cystectomy but refuse the surgery would be evaluated. First, the urologist resect the tumor as far as possible by the transurethral resection method, and then refer the patient for chemoradiation. For all the patients the standard questionnaire CTCAE4.03 2010 would be filled. The patients would be CT simulated and contoured. Then the best plan would be chosen according to contouring with the total dose of 66 Gy in 33 fractions. Concurrently Cisplatin 35 mg per m2 weekly and Capecitabine 625 mg

per m2 twice a day except holidays would be prescribed. During the treatment CBC, Diff, BUN, Cr would be checked weekly. The standard questionnaire CTCAE4.03 2010 would be filled weekly, last day of radiation and 3 months after the treatment. Three months after the end of the treatment, cystoscopy and biopsy from the tumor bed and urine cytology would be repeated. Complete clinical response is defined as the absence of a tumor in the cystoscopy, a negative biopsy of the tumor site and the absence of cells Tumor in urine cytology

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center**Name of recruitment center**

Radiation Oncology Department of Imam khomeini Hospital

Full name of responsible person

Sara Soltanzadeh

Street address

Radiation oncology Research Center, Cancer Institute, Imam Khomeini Hospital, Keshavarz Ave., Tehran, Iran

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sara.soltanzadeh@gmail.com

Sponsors / Funding sources

1

Sponsor**Name of organization / entity**

Tehran University of Medical Sciences

Full name of responsible person

Research assistance of Tehran University (Dr. Mohammadali Sahraian)

Street address

Vice-chancellor of research of Tehran university, Tehran University of medical sciences, Ghods St, Keshavarz Blvd. Tehran

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research@ut.ac.ir

Grant name**Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

Title of funding source

Tehran University of Medical Sciences

Proportion provided by this source

100

Public or private sector

Public

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin**Type of organization providing the funding**

Academic

Person responsible for general inquiries

Contact**Name of organization / entity**

Tehran University of Medical Sciences

Full name of responsible person

Sara Soltanzadeh

Position

Resident of Radiation Oncology

Latest degree

Medical doctor

Other areas of specialty/work

Radiotherapy

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Person responsible for scientific inquiries

Contact**Name of organization / entity**

Tehran University of Medical Sciences

Full name of responsible person

Peiman Haddad

Position

Professor of Radiation Oncology

Latest degree

Specialist

Other areas of specialty/work

Radiotherapy

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Person responsible for updating data

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Full name of responsible person

Sara Soltanzadeh

Position

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

No - There is not a plan to make this available

Justification/reason for indecision/not sharing IPD

Data of other research maybe become at risk

Study Protocol

No - There is not a plan to make this available

Statistical Analysis Plan

No - There is not a plan to make this available

Informed Consent Form

No - There is not a plan to make this available

Clinical Study Report

Yes - There is a plan to make this available

Analytic Code

No - There is not a plan to make this available

Data Dictionary

No - There is not a plan to make this available

Title and more details about the data/document

The report of study will be released.

When the data will become available and for how long

It will be after publishing the paper.

To whom data/document is available

The results will be accessible for all.

Under which criteria data/document could be used

To administer in clinical decision making the results will be accessible.

From where data/document is obtainable

To receive the results contact to correspondent.

What processes are involved for a request to access data/document

To receive the results contact to correspondent.

Comments