

The ROYAL MARSDEN

NHS Foundation Trust

Inpatient admission for Radionuclide Therapy

Nuclear Medicine

Patient Information



NHS

Peptide Receptor Radionuclide Therapy (PRRT) – Lu177 Dotatate Therapy

PRRT is carried out as an inpatient stay for one night, in one of our specialised rooms.

Day 1

Admission time 09.00 (where – please refer to your admission letter).

Blood tests (if applicable) will be taken.

Before starting treatment, you will be seen by Nuclear Medicine team, a ward doctor, and a physicist.



Nuclear Medicine Department therapy treatment room, Sutton

Lu177 Dotatate Therapy

Before your treatment starts, we will give you some medication.

- To help prevent any inflammation at the tumour sites and any unnecessary pain
- To help/prevent nausea.

You will be connected to a drip of amino acids. The amino acids are to protect your kidneys during treatment. This will take four hours to complete.

The radionuclide treatment will be delivered over a period of 40 minutes.

The amino acid drip will be reconnected until completion.

Day 2 – Discharge

In the morning, you will have a nuclear medicine imaging scan to check that the medicine has gone to the tumour site.

You will be reviewed by the Nuclear Medicine team, the physics team, and if necessary, the medical team before discharge.

Medications to take home will be given to you to ease any symptoms that you report.

Potential side-effects from treatment

- Tiredness
- Some hair loss
- Nausea/Vomiting
- Pain from tumour sites
- There may be some effects to your blood counts.

We will ask you to have two weekly blood tests, so that we can monitor your blood results.

Radiation protection

After treatment, all your body fluids will be radioactive.

You will be required to stay in your room, to reduce the risk of radiation to others.

The Medical Physics team will have spoken to you before your admission regarding radiation protection precautions.

They will monitor your levels of radiation after the treatment.

You will be given a sheet from the physics team containing information about the radiation protection precautions and how long these restrictions will be in place.

During your stay with us

Please bring in a change of clothes. Slipper socks can be provided for you during your stay.

Please bring in your own prescribed medications from home.

You may wish to bring in something to entertain you, eg smart phone, tablets, reading material, puzzle books, a pen etc.

There is a small fridge in the room for your own use and air-conditioning.

Tea and coffee facilities will be available in your room during your stay. The catering team will bring you a menu for breakfast, lunch and dinner.

You will have your own ensuite facilities. Towels and nightwear will also be available to you.



Radionuclide room in the ward

Visitors

You are allowed visitors, but they should follow the advice of the medical and physics teams, looking after you (or caring for you).

Contact details

Royal Marsden, Sutton 020 8661 3798 / 020 8915 6624

Royal Marsden, Chelsea 020 7808 4172

Email rmh-tr.rmuclearmedicine@nhs.net

Alternatively, please call

The Royal Marsden Macmillan Hotline: 020 8915 6899

(available 24 hours a day, 7 days a week)

References

This booklet is evidence based wherever the appropriate evidence is available, and represents an accumulation of expert opinion and professional interpretation.

Details of the references used in writing this booklet are available on request from:

The Royal Marsden Help Centre

Telephone: Chelsea 020 7811 8438 / 020 7808 2083

Sutton 020 8661 3759 / 3951

Email: patientcentre@rmh.nhs.uk

No conflicts of interest were declared in the production of this booklet.

Should you require information in an alternative format, please contact The Royal Marsden Help Centre.

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royalmarsden.org

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