

## Patient information

# **Lutetium177 (Lu177) Dotatate Therapy**

## **Nuclear Medicine Imaging Department**

#### What is Lu177 Dotatate Therapy?

This is treatment with a compound called Dotatate, which is labelled with radioactive Lutetium (Lu177 Dotatate).

#### What are the benefits of this therapy?

It is to help control your neuroendocrine tumour.

#### What are the risks of this therapy?

Very occasionally, a patient may feel sick or have diarrhoea in the day or two following the treatment. This can be helped with medication that the nursing staff can give you. If you normally take the drug Octreotide it must be stopped before and after the therapy. If on short acting it must be stopped for 48 hours before and after. If long acting, it must be stopped four weeks before and after.

You may therefore develop symptoms again. If you are having diarrhoea, then you can have Codeine and/or Loperamide to try

to control it. You may find flushing may start again. This should be controlled when you go back on your Octreotide. Your specialist nurse will be able to give you further advice about this.

In the first few weeks after your therapy, it is possible that your blood count may drop slightly. This should settle without special treatment. However, to check your blood count, please go to your family doctor (GP) two, four, six, and eight, weeks after your therapy. Are there any alternative treatments available?

Although other forms of treatment are potentially available for neuroendocrine tumours these are not suitable for your particular condition, and you are best treated with radionuclide therapy.

#### What will happen if I decide not to have treatment?

It is your decision whether to go ahead with this treatment. You have already discussed the reasons for your therapy with your doctor or specialist nurse and have agreed to proceed with this.

If you have changed your mind, please ring and discuss this with your specialist nurse.

#### **Getting ready for your Lu177 Dotatate therapy**

The preparation for this treatment will be discussed with you at the time of booking.

#### Your therapy

- You will be asked to sign a consent form for your treatment.
- Your Lu177 Dotatate therapy will be given to you slowly by a drip into a vein in your arm.
- Images maybe taken the day after your treatment in the Nuclear Medicine Department

#### What happens when I go home?

As you are still slightly radioactive, there are some rules and regulations that you
will need to follow. Your consultant will discuss these with you, and you will be given
written instructions on to take home.

#### After your scan

You should carry this letter with you if you are travelling through train stations, airports and seaports. These areas may have very sensitive radiation detectors in place that can detect extremely small quantities of radiation. It is just possible that, until the radioactivity from this test has completely left your body, you may trigger one of these detectors.

In the unlikely event that this occurs, there is no reason to be concerned. Customs officials who operate these types of detectors are experienced in understanding what the detector has picked up, and after asking you a few simple questions and conducting a brief non-intrusive examination with a hand held detector, will let you pass on your way as soon as possible.

Different countries have different procedures and some may wish to see your appointment letter as part of this process. If you are planning to travel in the next 4 months it is recommended that you carry this letter with you.

#### **Feedback**

Your feedback is important to us and helps us influence care in the future.

Following your discharge from hospital or attendance at your outpatient appointment you will receive a text asking if you would recommend our service to others. Please take the time to text back, you will not be charged for the text and can opt out at any point. Your co-operation is greatly appreciated.

### **Further information**

If you have any further questions, or require further information, please contact the Department of Nuclear Medicine:

Tel: 0151 706 4476 or 0151 706-4453

**Textphone Number: 18001 0151 706 4453** 

**Author: Nuclear Medicine Imaging Department** 

Review date: July 2028

All Trust approved information is available on request in alternative formats, including other languages, easy read, large print, audio, Braille, moon and electronically.

يمكن توفير جميع المعلومات المتعلقة بالمرضى الموافق عليهم من قبل انتمان المستشفى عند الطلب بصيغ أخرى، بما في ذلك لغات أخرى وبطرق تسهل قراءتها وبالحروف الطباعية الكبيرة وبالصوت وبطريقة برايل للمكفوفين وبطريقة مون والكترونيا.

所有經信托基金批准的患者資訊均可以其它格式提供,包括其它語言、 易讀閱讀軟件、大字

體、音頻、盲文、穆恩體(Moon)盲文和電子格式,敬請索取。

در صورت تمایل میتوانید کلیه اطلاعات تصویب شده توسط اتحادیه در رابطه با بیماران را به اشکال مختلف در دسترس داشته باشید، از جمله به زبانهای دیگر، به زبان ساده، چاپ درشت، صوت، خط مخصوص کوران، مون و بصورت روی خطی موجود است.

زانیاریی پیوهندیدار به و نهخو شانه ی له لایه نراسته و پهسهند کراون، ئهگهر داوا بکریت له فور ماته کانی تردا بریتی له زمانه کانی تر، نیزی رید (هاسان خویندنه وه)، چاپی گهوره، شریتی دهنگ، هیلی موون و نه ایکترونیکی ههیه.

所有经信托基金批准的患者信息均可以其它格式提供,包括其它语言、 易读阅读软件、大字体、音频、盲文、穆恩体(Moon)盲文和电子格式,敬请索取。

Dhammaan warbixinta bukaanleyda ee Ururka ee la oggol yahay waxaa marka la codsado lagu heli karaa nuskhado kale, sida luqado kale, akhris fudud, far waaweyn, dhegeysi, farta braille ee dadka indhaha la', Moon iyo nidaam eletaroonig ah.