



Stereotactic Ablative Body Radiotherapy (SABR) to the Spine

The Christie at Salford

Introduction

This information is for patients who are going to receive stereotactic ablative body radiotherapy (SABR) to their spine. Please read this leaflet alongside The Christie booklet 'Radiotherapy – A guide for patients and their carers'.

This leaflet will explain:

- what SABR is and what the benefits of this treatment are
- general information about the planning of your treatment
- general information about what happens on the day of your treatment
- general information about side effects of treatment
- who to contact when you need advice

What is SABR and what are the benefits of this treatment?

SABR to the spine involves the precise delivery of high dose radiotherapy. SABR is given over fewer treatment sessions than conventional/standard radiotherapy which increases the chances of controlling the tumour and reducing pain more effectively than standard radiotherapy.

The planning of your treatment

You will be required to attend **The Christie at Salford** to have a planning CT scan. The scans which are undertaken to plan your radiotherapy are solely aimed to give enough information to plan the radiotherapy accurately. These scans are not diagnostic and therefore do not give sufficient information to assess the status of your cancer or any other abnormalities.

At this appointment the radiographers will make a mask of your head and neck for you to wear during the treatment planning scans and treatment. This mask helps ensure you are as still as possible for the scans and treatment. During this planning session the radiographers will draw some marks on the area being treated with a skin pen. These marks wash off and so we would like to give you some permanent marks (pin sized tattoos) on your skin in order for us to reproduce your position during the treatment planning scans and treatment.

You will be required to attend **The Christie at Withington** to have a planning MRI scan. For this scan, you will need to be positioned as you were for your planning CT scan including wearing your mask.

Please bring your regular medication with you. It may be beneficial to take painkillers 30 minutes before each session if you have pain.

When will I start my treatment?

Treatment will usually start within a few weeks after your planning visits. You will be given a list of treatment appointments when you attend for your CT planning scan.

What happens on the day of your treatment?

You will be required to attend **The Christie at Salford** to have your treatment. You will need to be positioned as you were for your planning CT scan including wearing your mask. Treatment is normally given over one or three treatments, on alternate working days.

A team of radiographers, physicists and clinicians work together in the treatment rooms, and you may hear them sharing information and giving instructions relating to your treatment.

A scan of the area you are having treated will be taken before, after and sometimes during each treatment. These scans are purely to check that you are in the correct position and not to check how the tumour is responding to treatment.

You will be alone in the radiotherapy treatment room while the machine moves around you and delivers treatment. You will not feel the treatment and nothing will come into contact with you during the treatment process. A closed circuit television on the control desk gives the radiographers a clear view of you and they will be watching you all the time.

It is important that you stay as still as possible during the treatment process. The treatment is normally given from a number of different directions (beams) depending on your individual treatment plan. Treatment can take between 30 and 60 minutes.

Side effects of treatment

Side effects from SABR to the spine can vary between people dependent on what area has been treated. Your SABR Consultant will discuss with you which of the following side effects apply to you and how likely they are to occur.

- **Tiredness (fatigue):** you may feel more tired than usual for several weeks after your treatment has finished.
- **Skin reactions:** the skin where you are having the radiotherapy may change. Skin reactions can vary but the common symptoms are redness, dryness and itchiness.
- **Difficulty swallowing:** if you are having your upper spine treated, you may experience difficulty swallowing or swelling in your mouth which can be painful.
- **Pain:** there is a risk that any pain you have may increase for a few weeks immediately following treatment. Occasionally the bones being treated can be damaged, which may need non-surgical or surgical treatment.
- **Breathing problems:** you may develop a cough, difficulty breathing and an increase in the amount of phlegm you have.
- **Changes in bowel habits:** if you are having your lower spine treated, you may experience some changes in your bowel habits such as diarrhoea.
- **Temporary or permanent damage to the spinal cord:** this is rare however can result in altered skin sensations, such as burning, prickling, itching or tingling; muscle weakness causing inability to walk (paralysis); decreased ability or loss of ability to move a body part or to hold urine or control a bowel movement.

If you experience any of these side effects, it is important you discuss them with the team treating you.

Follow-up

You will be seen by your SABR consultant 4 - 6 weeks after your SABR treatment has finished. After this, you will not routinely be seen by your SABR consultant but will continue with follow-up appointments under your referring doctor.

Contact details

- Specialist radiographers **0161 918 7825**
- Via your consultant's secretary:
Dr R Colaco **0161 918 7197**

If you need information in a different format, such as easy read, large print, BSL, braille, email, SMS text or other communication support, please tell your ward or clinic nurse.

We try to ensure that all our information given to patients is accurate, balanced and based on the most up-to-date scientific evidence. If you would like to have details about the sources used please contact **patient.information@christie.nhs.uk**

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For more information about The Christie and our services, please visit **www.christie.nhs.uk** or visit the cancer information centre at Withington, Oldham or Salford.

The Christie NHS Foundation Trust
Wilmslow Road
Withington
Manchester M20 4BX
Tel: 0161 446 3000
www.christie.nhs.uk

The Christie Patient Information Service

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