



# Radiotherapy of the Brain





# Contact Information

## Units in our group

Ahmed Kathrada Cancer Institute

Tel.: 010 900 3199 | Email: [akci.reception@cancersa.co.za](mailto:akci.reception@cancersa.co.za)

Groenkloof Radiation Oncology

Tel.: 012 460 4749 | email: [lcm.reception@cancersa.co.za](mailto:lcm.reception@cancersa.co.za)

Muelmed Radiation Oncology

Tel.: 012 440 8089 | [muelmed.reception@cancersa.co.za](mailto:muelmed.reception@cancersa.co.za)

Sandton Oncology

Tel.: 011 883 0900 | [soc.admin@cancersa.co.za](mailto:soc.admin@cancersa.co.za)

West Rand Oncology Centre

Tel.: 011 991 3500 | [wroc.reception@cancersa.co.za](mailto:wroc.reception@cancersa.co.za)

Visit us online at [www.cancersa.co.za](http://www.cancersa.co.za)

Treatment can be provided at any of the above locations, by the same Doctors within our group, whichever location may be more convenient to you.

Any appointment related enquiries can be made on the above numbers. In Pretoria, our administration teams are available from 08:00 until 16:30 and in Johannesburg our administration teams are available from 08:00 to 17:00.

**In case of a medical emergency outside of the above listed hours, contact our Oncologist on call at:**

If you are on treatment in Pretoria, please call: **(+27) 82 373 2148**

If you are on treatment in Johannesburg, please call: **(+27) 82 307 5565**

# What is Radiotherapy?

Radiotherapy uses controlled high energy x-rays to treat tumours and other diseases of the body. Radiation works by damaging the DNA of cells preventing them to divide and reproduce. Abnormal cancer cells are more sensitive to radiation because they divide more quickly than normal cells. Over time, the abnormal cells die, and the tumour shrinks. Normal cells can also be damaged by radiation, but they can repair themselves more effectively.

The goal of radiation therapy is to maximize the dose to abnormal cells while minimizing exposure to normal cells. The effects of radiation are not immediate; the treatment benefit occurs over time.

Radiation therapy is painless and will not make you radioactive.

Radiation is often given with the intent of destroying the tumour and curing the disease (curative treatment). However, not all disease or cancer can be cured with radiation. Sometimes radiation is used to relieve symptoms, such as pain (palliative treatment).

Radiation therapy is delivered with a linear accelerator (LINAC) as shown in the picture below.



# What happens next?

After the planning scan is done the pre-treatment process must follow. This is a multi-disciplinary process and can take up to several working days to ensure that optimal and precise treatment is given.

This is a timeous process so please be patient.

Once all these processes are completed you will receive a phone call with your first treatment date and time.

Appointment times are subjected to availability, but we will try to accommodate you to the best of our abilities.

If you are late for your appointment, please understand that we are working according to a schedule and will treat patients that are on time first. You will be attended to as soon as an opening is available.

On the first day of treatment you will receive a schedule with **all** your treatment appointments. Please be here 10 minutes before the scheduled time.

The radiotherapists assess you every day on which you receive treatment, so please tell them if you have any difficulties or queries. They can offer you considerable advice.

During your course of treatment, you will see your radiation oncologist once a week. If he/she is not available for any reason one of the other doctors in the practice can see you if necessary.

During your first week of treatment you will also see our counsellor for a **free** counselling session. We encourage every patient to make use of this service. Battling cancer is tough. It may help to join a support group and seek out help from family or friends.

After your treatment is completed you must make a 2 week follow up appointment with your radiation oncologist. This is still part of the treatment and will not have any extra charges.

# Possible side effects

All patients differ, so please do not compare yourself to others.

During your treatment you may experience irritation, dryness or itchiness of the skin as well as other side-effects as listed below.

You should try the following advice from the start of your treatment until 2 weeks after the radiotherapy is completed.

- ❖ Temporary hair loss may occur, but only in the area being treated and the size of the treatment field.
- ❖ You can gently wash the treatment area with plain dove soap or baby shampoo without rubbing it vigorously or using too hot water.
- ❖ Headaches are a common side effect of treatment in the brain. You might need a prescription for some cortisone pills to help reduce swelling that causes headaches.
- ❖ Nausea can also accompany the headaches due to swelling, any anti-nausea medication can be taken to reduce nausea.
- ❖ Do not use any other products (lotions, gels, creams) unless advised by the radiotherapists or doctor, as they may irritate the skin.
- ❖ Aqueous cream (no colourants or scents) may be used on treatment area.
- ❖ You can become more tired and sleepy than usual.

During your treatment you can continue eating, drinking and exercising as normal.

