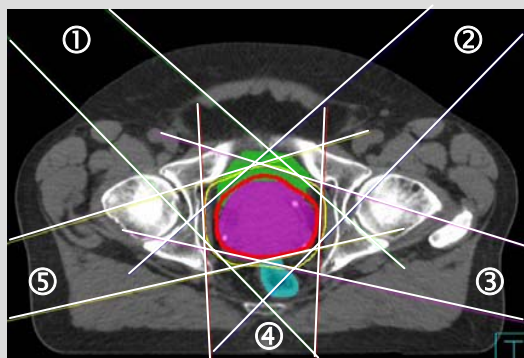


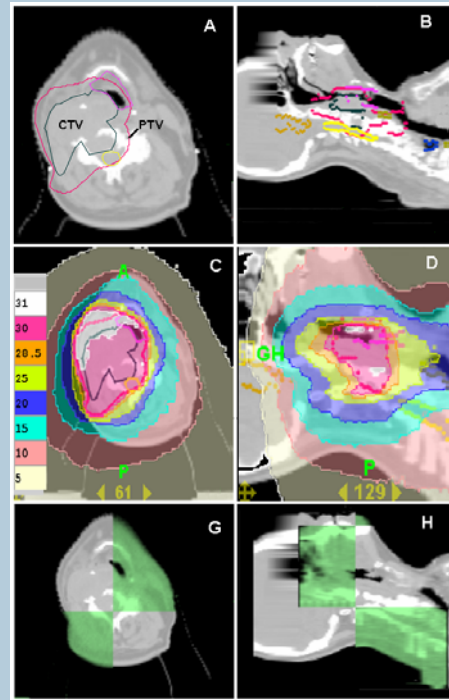
4. LRCP is one of a few centres in Canada capable of photodynamic therapy (PDT). PDT uses light therapy combined with photosensitizers to treat skin lesions with minimal morbidity.

5. Intensity Modulated Radiation Therapy (IMRT) is a 3-D conformal radiotherapy that uses multiple beams of varying intensities. This allows the tumour to receive the highest dose possible, while sparing surrounding tissue. Digital Portal Imaging allows daily visualization of the treatment area, which increases treatment precision. In-room CT scanning, ultrasound and optical imaging are



This is an example of an intensity modulated treatment to the prostate. Five radiation beams meet at the prostate which spare the bladder (in front), rectum (behind) and hips (to the sides) from the full radiation.

other techniques we use for precision image-guided radiotherapy. A specialized machine to deliver IMRT called **tomotherapy** is unique to Southwestern Ontario.



Example of a tomotherapy treatment for a head and neck cancer demonstrating the area to be treated (top), the radiation dose highly conforming to the target (middle) and the daily localization for treatment using an overlay of the planning CT (grey) and the CT acquired on the unit the day of treatment (Green)

How do I refer my patients to LRCP for a radiation therapy consult?

Referrals can be made by faxing relevant details to:

London Regional Cancer Program
New Patient Referral
519-685-8664

A booking coordinator will call your office to obtain additional information and arrange a time for your patient.

What if I have questions about radiation therapy?

If you have questions about referring a patient for radiation therapy, a Radiation Oncologist can discuss with you whether there is a need for referral. Call 519-685-8650 for more information.

Will my patients need to travel every day for treatments?

To minimize travel inconveniences, patients who live more than 40 km (one-way) from London may be able to stay at Thameswood Lodge. The Lodge is a 62-bed facility that is run by LRCP and is open from Monday to Friday. There is no charge to stay at the Lodge and weekly meal plans are available for a small fee. For more information about the Lodge, call 519-667-6727.



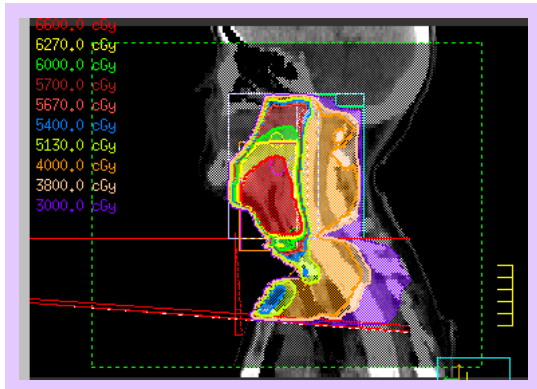
Department of Radiation Oncology Caring for You, Innovating for the World™



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London, Ontario N6A 4L6
519-685-8600
www.lhsc.on.ca/About_Us/LRCP/

Why should I refer my patients to the London Regional Cancer Program (LRCP) for a radiation therapy consult?

Radiation treatment is an integral part of the multidisciplinary care of patients in the curative treatment of most cancers. Radiation alone or combined with surgery or chemotherapy contributes to the local and regional control of early cancers. This can allow organ and functional preservation that is not possible when radical surgery is used alone.



Do you offer palliative treatment?

Yes. Radiation is highly effective in treating pain, bleeding, dyspnea and other symptoms. Often, patients are assessed and treated the same day to minimize inconvenience and discomfort.

Did you know?

LRCP is the only academic, university-affiliated oncology program in Southwestern Ontario. We have a full research facility with scientists doing ground breaking cancer research. London is also one of four cancer referral "centres of excellence" in Ontario along with Toronto, Ottawa and Hamilton.

How long are wait times?

We strive to see patients within 2 weeks of referral. In most cases, treatment will begin within 2 weeks or less of consultation. Over the past five years, LRCP made substantial investments in personnel and equipment. This has resulted in one of the shortest wait times in the province for patients receiving treatment with state-of-the-art technology.

Who are on staff at LRCP?

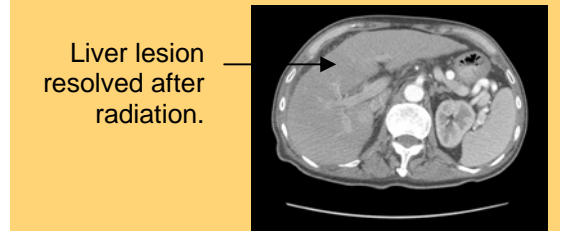
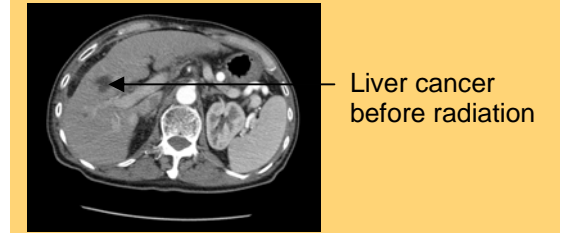
We are fellowship-trained Radiation Oncologists. As our standard of care, we will follow patients after treatment. All of us are faculty members at the University of Western Ontario's Schulich School of Medicine and Dentistry (UWO), and many of us are key members of the Radiation Therapy Oncology Group, which sets treatment protocol

standards for our profession. We participate in national and international clinical trials to give patients access to the newest treatments. LRCP accrues more patients to large international trials than any other facility in Ontario.

What advantages does LRCP have within the Southwestern region?

We are always refining radiation oncology treatment methods to deliver the highest quality patient care possible. LRCP is one of the top five radiation treatment facilities in Canada. There are a number of advantages unique to us which can improve patient outcome:

1. Collectively with UWO, Lawson Health Research and Robarts Research Institute, we are the Canadian pioneers for medical imaging research and technical application. One such application is image-based gated treatments. Gating is used to account for respiratory motion, which allows the tumour to receive a high dose of radiation.
2. Patients are managed by a Multi-disciplinary Team (MDT) that comprises board certified Radiation Oncologists, Medical Oncologists, and Surgical Oncologists. The team also includes Radiation Therapists,



Before and after radiation CT images. This type of radiation utilized radiobiological and real-time image guided radiotherapy. This represents the state-of-the-art in radiotherapy.

Primary Nurses, Social Workers and Dietitians. The MDT approach allows for immediate open discussion of every case, facilitating the best possible treatment outcomes.

3. Brachytherapy is the implementation of radiation directly into the tumour. It is used to treat many cancers including gynecologic, pelvic, lip, prostate and rectal cancers. We are leaders in image-guided, high dose rate brachytherapy. All brachytherapy procedures are done on site at LRCP in our own surgical/brachytherapy suite.