

LITTLETON RADIATION ONCOLOGY

littletonradiationoncology.com

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Littleton Radiation Oncology (LRO) is an independent cancer treatment facility that provides a blend of leading-edge technology and individual attention. LRO provides advanced treatment options in a personal, warm and caring environment. The practice specializes in treating a wide range of cancers, from the most common cancers, such as breast and prostate, to the uncommon and complex types, such as brain and metastatic cancers.

PROVIDERS

David Schreiber, MD is a radiation oncologist and the CEO and medical director of Littleton Radiation Oncology, which he founded more than 25 years ago. Dr. Schreiber's goal is to provide state of the art radiation oncology services in a setting that is comfortable and caring. Dr. Schreiber earned his medical degree at Bowman Gray School of Medicine, and his bachelor of science at Stanford University. In addition to his work at Littleton Radiation Oncology, he also has a private practice at Swedish Medical Center and is a delegate to the Colorado Medical Society.

Douglas Tippin, MD, PhD was born and raised in the US Army. He earned his bachelor's and master's degrees in chemistry from Baylor University. In 1997, he completed his MD/PhD fellowship at Ohio State University before starting his internship and residency in Internal Medicine at the University of Chicago. Dr. Tippin received his Radiation Oncology training at the University of Chicago and the James Cancer Hospital, where he sub-specialized in brachytherapy techniques (surgically-based radiation treatments).

TREATMENT

Radiation oncologists are doctors specially trained to treat cancer patients with radiation, and can identify the best radiation treatment plan. They are especially trained in diagnosing diseases by interpreting x-rays and other types of imaging studies, such as CT scans and magnetic resonance imaging. Unlike medical oncologists who may oversee a patient's general cancer treatment and care, radiation oncologists are specialists in radiation-specific treatment and its complexities.

Patients at LRO receive the best possible care. With our advanced treatment planning technology we are able to customize a patient's radiation treatments using 3-D image guidance that make it possible to pinpoint cancer with millimeter accuracy. It also enables us to administer the precise dose to tumors while preserving the normal healthy tissues. Some of our state-of-the-art technology includes:

- **Image Guided Targeting-** This is either a CT-based or fluoroscopy-based targeting technology used with radiation to identify and track the target for optimal delivery of the radiation. It is used to treat cancers in any organ, such as prostate, breast, liver, bladder, kidney, uterus and brain.
- **Intensity-Modulated Radiation Therapy -** Because this therapy is a computer guided radiation treatment, the strength of the radiation can be modified during treatment to protect surrounding healthy tissue, while allowing for the doctor to focus intense radiation on the tumor. This treatment is a type of conformal radiation, which can surround the shape of the tumor, enhancing its pinpoint accuracy.
- **Brachytherapy-** A form of radiation therapy where a radioisotope is placed inside the tumor to deliver an intense dose of radiation in a precise manner. Brachytherapy allows the radiation dose to be conformed within the tumor treated, not just to the shape of the tumor, creating dose distributions superior to those obtained with cyberknife. Often a course of brachytherapy can be of shorter duration than other forms of radiation treatments.
- **Hyperthermia-** Hyperthermia is a therapy used to heat tumors. Research has shown that heat can attack the cancer cells while also increasing the effect of radiation therapy in treating some tumors that are recurrent or progressive despite conventional therapy. When a tumor is heated and irradiated, the effective radiation dose is approximately doubled with no increase in risk of side effects from the radiation.