

Introduction to Lung Cancers

Lung cancers comprise an important area of our work at Radiosurgery New York. We see patients both with newly diagnosed as well as recurrent lung cancers. A variety of important structures such as the heart, lungs, spinal cord, esophagus as well as other structures are located within the chest. Stereotactic body radiosurgery allows us to focus beams of radiation on cancers, escalating the doses, and minimizing the dose to the healthy surrounding tissues. The appeal of this technology is that we can increase the dose. Most radiation oncologists believe that increased dose will lead to improved local control. Improved local control should result in better cancer-free survival.

Another important part of our program is the ability to re-radiate areas in the chest when standard surgery, radiation or chemotherapy hasn't worked. Our experts probably have the greatest experience worldwide in re-radiation of cancers.

We treat both oat cell (small cell) as well as non-oat cell carcinomas. We treat cancers in the chest and lymph nodes, as well as other metastatic sites, if necessary and appropriate. We have the ability to treat recurrent and metastatic disease even when prior radiation, chemotherapy or surgery has not produced the desired results. The local rate (where we aim the beam) is high – about 80-to 90% in the treated area. This means cessation of growth, shrinkage or disappearance of the tumor treated.

Our physicians as well as technical staff are wonderful and we encourage you to contact us with your questions at 212-CHOICES or e-mail GIL.LEDERMAN@RSNY.ORG. We have monthly seminars open to the public at no charge to learn more about this technology.