

## What is Edge Radiosurgery?

Designed to effectively treat a wide range of cancer including those in the lung, brain and spine, this aggressive procedure enables oncologists to deliver powerful, precise treatments to radiosurgery candidates - no incisions necessary.



## Scheduling an appointment



**SELF REGIONAL**  
HEALTHCARE  
**CANCER CENTER**

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**EDGE Radiosurgery**



## Edge Radiosurgery is:

### Modern cancer treatment

The Edge radiosurgery system is the vanguard cancer treatment technology that is minimally invasive to a patient's body and daily life. This system offers cancer patients a fast, effective surgical option without an incision or the need to recover in a hospital room.

### Fast, focused treatments

The Edge's tumor localizing accessories accurately target and destroy tumors, minimizing the risk to affect surrounding healthy tissue. This new option gives oncologist the maneuverability to treat tumors that are typically difficult to reach surgically, at nearly any angle.

### Comfort and convenience

With each treatment often lasting less than 15 minutes, patients may be able to quickly get in and out of radiosurgery and back to their lives. Oncologists can rely on Edge to deliver fast and accurate cancer treatments so that patients can enter their procedure with confidence. By offering the effectiveness of a scalpel without the typical side effects of surgery, Edge radiosurgery can typically be used for outpatient procedures, eliminating the need for hospital stays.

## Your Treatment

There are several steps to an Edge radiosurgery treatment: Tumor visualization, planning, treatment, imaging during treatment and follow-up care.

### Tumor Visualization

During this process, 3-D images are generated of the tumor. This allows your doctor to know the size, shape and location of the tumor. Knowing this, they can best determine the dose of radiation that is needed.

### Planning

Once the specifics of the tumor are understood, a treatment plan is developed that specifies the correct dosage, coordinates of the treatment area and a schedule for treatment. You'll work with highly trained medical specialists who will use sophisticated treatment planning software to develop a three-dimensional model of the area of the tumor. They will then determine the amount of radiation the tumor should receive and from which angles the knife-like radiosurgery beam will be delivered.

### Treatment

A therapist will guide you into a treatment room and help position you on a treatment table. Prior to treatment, you will be imaged so that the therapist can verify the tumor location. The therapist will then leave the room, and your treatment will begin. The head of the edge will rotate 360 degrees around you. You'll be in constant contact with the therapist who is running the treatment. Sometimes the first Edge treatment will take a little longer than your following treatments since there may be some additional setup that is required.

### Imaging During Treatment

Throughout treatment, advanced imaging technology enables the doctor to view your tumor from virtually every angle, noting its location at all times. The ability to do this enables Edge's high-dose treatments to be delivered with high precision.

### Follow-up Care

After the procedure, you'll undergo follow-up care with your doctor. During this time, your progress and recovery will be monitored. This is another opportunity to ask your doctor any questions, raise concerns or inquire about the treatments and status of your health.



## Your Healthcare Providers



### John Funke, III, M.D.

Board Certified Radiation Oncologist

- Undergraduate: Emory University Atlanta, G.A.
- Medical School: Medical University of South Carolina Charleston, S.C.
- Radiation Oncology Residency: Medical University of South Carolina Charleston, S.C.



### E. Clint Wood, M.D.

Board Certified Radiation Oncologist

- Undergraduate: Morehead State University Morehead, K.Y.
- Graduate: University of Wisconsin Madison, W.I.
- Medical School: University of Kentucky College of Medicine Lexington, K.Y.
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