

Ready to start planning your care? Call us at [800-525-2225](tel:800-525-2225) to make an appointment.

×



Memorial Sloan Kettering
Cancer Center

[Make an Appointment](#)

[Back](#)

[Spine Tumors Treatments](#)

[About MSK's Spine Tumor Treatment](#)

[Refer a Patient](#)

[MSK Research](#)

[MSK Publications](#)

[MSK Events](#)

[MSK News](#)

[MSK Press](#)

[MSK Blog](#)

[MSK Podcast](#)

[MSK YouTube](#)

[MSK Instagram](#)

[MSK Facebook](#)

[MSK Twitter](#)

[MSK LinkedIn](#)

[MSK Snapchat](#)

[MSK RSS](#)

[MSK Apple](#)

[MSK Android](#)

[MSK Wearable](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

[MSK Smartwatch](#)

ABOUT US

[Our mission, vision & core values](#)

[Leadership](#)

[History](#)

[Equality, diversity & inclusion](#)

[Annual report](#)

[Give to MSK](#)

neurologists stimulate nerves involved in movement and other key functions. They measure and record how your nerves respond. This helps your surgeon keep the nerves safe.

Here are some advanced spine tumor surgeries available at MSK:

Posterolateral resection

Our neurosurgeons use this procedure to remove spine tumors and reinforce your spine through an incision in the middle of your back. The procedure reduces the risk of complications and shortens recovery time, helping you to receive radiation therapy or other treatments sooner.

En bloc resection

This surgical technique is used to remove the tumor in a single piece. En bloc resection is often used to completely eliminate primary tumors, such as giant cell tumors, low-grade chondrosarcomas, and chordomas that are located in the bones of your spine or next to your spine.

Metastatic Spine Tumor Surgery

If you have a metastatic spine tumor (a tumor in the spine that began elsewhere in your body), some surgical procedures can help stabilize your spine, reduce pain, prevent paralysis, and increase mobility.

These are two of the most common metastatic spine tumor surgeries:

spinal cord decompression This technique relieves pressure on your spinal cord and nerve roots. Decompression also creates enough space so that you can receive high-dose radiation without risking injury to your spinal cord.

spinal instrumentation Your surgeon attaches pedicle screws and rods to your spine to redistribute stress on and align your bones. This technique is usually used if you have significant spinal cord compression, a collapsed vertebra, or a burst fracture that kyphoplasty can't repair. When possible, your surgeons will use specially designed screws, a less-invasive technique.

Spinal angiography

If your tumor has an unusually high number of blood cells, you may lose more blood during surgery. Spinal angiography can help reduce how much blood you lose. This procedure involves an injection of contrast dye and then taking an X-ray. This helps identify the blood vessels. During embolization, an interventional radiologist injects small beads into these blood vessels to keep them from bleeding.

Request an Appointment

Call [212-639-6506](tel:212-639-6506)

Available Monday through Friday, 9 a.m. to 5 p.m. (Eastern time)

[Make an Appointment](#)

PREVIOUS

[Radiation Therapy for Spine Tumors](#)

NEXT

[Living with and Beyond Spine Tumors](#)

[Communication preferences](#)

[Cookie preferences](#)

[Legal disclaimer](#)

[Accessibility statement](#)

[Privacy policy](#)

[Price transparency](#)

[Public notices](#)

© 2024 Memorial Sloan Kettering Cancer Center