SCCA Proton Therapy,
A ProCure Center
This is the first proton therapy facility in the region and is located on the campus of Northwest Hospital and Medical Center.

Conditions Treated
Some brain tumors, including ependymoma, medulloblastoma, glioma, craniopharyngioma, primitive neuroectodermal tumor (PNET), and atypical teratoid/rhabdoid tumor (AT/RT)

Many sarcomas, including Ewing sarcoma and rhabdomyosarcoma

Spine or spinal cord tumors

Fighting Cancer with Fewer Side Effects

Seattle Children's offers proton therapy at SCCA Proton Therapy, A ProCure Center in north Seattle. Proton therapy can treat many pediatric brain tumors, sarcomas and other cancers with fewer short-and long-term side effects.

Precise targeting spares kids’ healthy tissues

“The goal of radiation therapy is to treat what you need to treat — the tumor — and avoid as much of the surrounding healthy tissue as possible,” says oncologist Dr. J. Russell Geyer. This is important in children for two reasons:

Children’s bodies are still developing. Radiation that damages healthy tissue can affect a child’s development significantly. Among the special concerns for young patients: problems with neurocognitive function after treating brain tumors and poor growth of bones exposed to radiation.

Young cancer survivors can have effects from radiation later in life.
Fortunately, many children who come to us with cancer will beat their disease. But past radiation exposure puts them at risk for harmful effects from radiation therapy years later.

Proton therapy can be precisely controlled to deliver the highest dose of radiation straight into a tumor and no further. Compared to conventional X-rays, protons release less radiation in healthy tissues on the way to their target.
Comprehensive pediatric cancer care

Proton therapy is part of Seattle Children’s commitment to bring the best and newest treatments to children with cancer. Whether a child receives all their cancer care at Children’s or primarily receives care elsewhere and comes here specifically for proton therapy, families can expect a full range of services and support according to their unique needs.

Our comprehensive, multidisciplinary team of pediatric cancer experts treats more than 250 patients newly diagnosed with cancer every year — more than any other institution in the region — and provides follow-up care to more than 3,000 children, adolescents and young adults.

About the proton therapy center

SCCA Proton Therapy, A ProCure Center is the first proton therapy facility in the Northwest. The 60,000-square-foot facility on the campus of Northwest Hospital & Medical Center is expected to serve about 1,400 adult and pediatric patients a year.

“We’re excited to have the proton therapy center here so we can offer this important option to families throughout our region as well as nationally and internationally,” says Dr. Geyer.