



Radiation Oncology Program

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4650 Sunset Blvd., #73
Los Angeles, CA 90027

Phone: 323-361-2417
Fax: 323-361-7977

[CHLA.org/RadiationOncology](https://myCHLA.CHLA.org)

Referrals

Phone: 888-631-2452
Fax: 323-361-8988
Email: md1@chla.usc.edu
Physician Portal:
<https://myCHLA.CHLA.org>

The Radiation Oncology Program at Children's Hospital Los Angeles is the only dedicated pediatric radiation oncology program in the western United States. The program is one of the many facets of the Children's Center for Cancer and Blood Diseases (CCCBD) and offers innovative treatment, research and education in the personalized care of children with different types of cancers and disorders including brain tumors, leukemia and lymphoma, neuroblastoma, sarcomas and solid organ tumors. The newly remodeled facility offers exceptional technology and quality treatment, and the space to give each child individualized attention so they feel comfortable and receive the best care during their time in treatment.

Providers



Kenneth Wong, MD

Attending Physician, Division of Hematology, Oncology and Blood and Marrow Transplantation, Children's Center for Cancer and Blood Diseases, Children's Hospital Los Angeles
Associate Professor of Clinical Radiation Oncology and Pediatrics, Keck School of Medicine of USC

Specialty: Radiation oncology



Eric Chang, MD, FASTRO

Attending Physician, Division of Hematology, Oncology and Blood and Marrow Transplantation, Children's Center for Cancer and Blood Diseases, Children's Hospital Los Angeles
Professor and Chair of Radiation Oncology, Keck School of Medicine of USC

Specialty: Radiation oncology

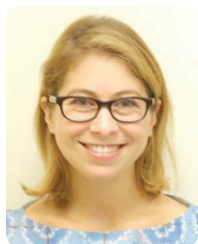
The Program's team of radiation oncologists, physicists, radiation therapists, dedicated nurses, Child Life experts, pediatric anesthesiologists and other collaborating staff specialize in every type of pediatric cancer. While many children will start radiation treatment with anesthesia, whenever possible, we coach our patients to reduce the amount of anesthesia needed.

We participate in Children's Oncology Group protocols that require radiation therapy and have active roles in that group, and collaborate with our partners at the USC Norris Cancer Center to ensure we provide the best treatment possible for each patient.

Our state-of-the-art equipment includes the Varian TrueBeam treatment machine and AlignRT surface imaging system. We are leaders in body surface imaging, and our patients never get tattoos or marker lines on their bodies in connection with their treatment.

(continued)

Providers (continued)



Leslie Ballas, MD

Attending Physician, Division of Hematology, Oncology and Blood and Marrow Transplantation, Children's Center for Cancer and Blood Diseases, Children's Hospital Los Angeles
Assistant Professor of Clinical Radiation Oncology, Keck School of Medicine of USC

Specialty: Radiation oncology



Richard Jennelle, MD

Attending Physician, Division of Hematology, Oncology and Blood and Marrow Transplantation, Children's Center for Cancer and Blood Diseases, Children's Hospital Los Angeles
Associate Professor of Clinical Radiation Oncology, Keck School of Medicine of USC

Specialty: Radiation oncology



Arthur Olch, PhD, FAAPM

Physicist, Division of Hematology, Oncology and Blood and Marrow Transplantation, Children's Center for Cancer and Blood Diseases, Children's Hospital Los Angeles
Professor of Clinical Radiation Oncology and Pediatrics, Keck School of Medicine of USC

Specialty: Radiation oncology

Awards and Recognitions

- Nationally, we are one of only three radiation oncology facilities embedded in a children's hospital, with a focus exclusively on treating childhood cancer.
- The Children's Center for Cancer and Blood Diseases is ranked No. 9 in the nation for pediatric cancer care by U.S. News & World Report for 2018.

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Treated conditions include:

- Pediatric brain tumors (Including medulloblastoma, ependymoma, glioma, germinoma, ATRT)
- Wilms tumor
- Neuroblastoma
- Bone and Soft Tissue Sarcoma (including Ewing Sarcoma, Rhabdomyosarcoma)
- Lymphoma (including Hodgkin lymphoma)
- Leukemia
- Retinoblastoma
- Blood disorders (including Fanconi Anemia, Aplastic Anemia)
- Palliative care
- Benign conditions:
 - Craniopharyngioma
 - Keloids and hypertrophic scars
 - Arteriovenous malformations
 - Heterotopic ossification (abnormal bone growth)
 - Meningioma
 - Pigmented villonodular synovitis (PVNS)

Treatment Options:

- 3-D conformal radiation therapy
- Intensity modulated radiation therapy (IMRT)
- Image-guided radiation therapy (IGRT) and surface-guided radiation therapy (SGRT)
- Volumetric modulated arc therapy (VMAT)
- 4π radiation therapy (4pi)
- Stereotactic body radiation therapy (SBRT)
- Fractionated stereotactic radiation therapy (FSRT)
- Stereotactic radiosurgery (SRS)
- Total body irradiation (TBI) and total lymphoid irradiation (TLI)

Cooperative Group Trials and Protocols

- Children's Oncology Group (COG)
- Pediatric Brain Tumor Consortium (PBTC)
- Pacific Pediatric Neuro-Oncology Consortium (PNOC)
- New Approaches to Neuroblastoma Therapy (NANT)
- Pediatric Bone and Marrow Transplant Consortium (PBMTC)
- Therapeutic Advances in Childhood Leukemia and Lymphoma (TACL)
- Sarcoma Alliance for Research Through Collaboration (SARC)
- Collaborative Ependymoma Research Network (CERN)