

Dr. Yu joined the USC School of Medicine in March 1994 as an assistant professor of clinical radiation oncology and then promoted to an associate professor in 2000 and full professor in 2003. He also served as Director of Division of Radiation Oncology Physics at USC from 2003 to 2006. He briefly joined the Stanford University School of Medicine in 2006 as a Clinical Professor and Chief of Robotic Radiosurgery Physics. Dr. Yu completed his undergraduate studies in physics in China before coming to the United States in 1986. He earned his doctorate in solid state physics at Michigan Technological University in 1991 and did a post-doctorate fellowship in radiation oncology at the University of Chicago in 1994.

Dr. Yu plays an integral role in treatment planning, machine calibrations and quality assurance. His extensive experience in stereotactic radiosurgery includes thousands of cases in involving tumors, vascular malformations, pain syndromes and epilepsy.

Dr. Yu's research interests at USC primarily focus on comparative dosimetry of radiosurgery modalities, such as linac based, Gamma Knife and CyberKnife radiosurgery systems. He is the author or co-author of over 100 peer-reviewed scientific papers, scientific abstracts and meeting presentations, as well as 10 chapters in technical books. Dr. Yu served as a member of AAPM Task Group 135, Quality Assurance for Robotic Radiosurgery, from 2006 to 2010.