

Gene S Kim, PhD.

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Dr. Kim's research focuses on quantitative imaging of vascular properties using dynamic contrast-enhanced and diffusion MRI methods in clinical and preclinical studies of cancer and the brain. Over the last decade, his lab has been investigating novel data acquisition and analysis methods for accurate measurement of vascular permeability, plasma flow and cellular characteristics, which is often hampered by various confounding factors depending on the imaging method of choice. Some of these factors are particularly significant where the vascular changes could be subtle as in the early stage of neurodegenerative diseases and normal aging.

Speech Title: Dynamic Contrast Enhanced MRI for Assessment of BBB: Challenges and New Opportunities