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Dr Soniya Pinto completed her medical school training at Dr DY Patil Hospital, Mumbai, India followed by her Diagnostic Radiology Residency at St. Vincent's Hospital in Worcester, Massachusetts, USA. She then went on to an adult Neuroradiology fellowship at the University of Southern California and a Pediatric Neuroradiology Fellowship at the Children's Hospital of Los Angeles. Her research interest includes imaging of CNS toxicities of immunotherapy, particularly CAR T cell therapy.

Topic: Neuroimaging of Complications from CAR T Cell and Other Immunotherapy

Neuroimaging of the complications of CD19 CAR T cell therapy will illustrate a pathophysiological basis for the varying imaging appearances of immune effector cell associated neurotoxicity syndrome (ICANS), which is not infrequently encountered following CAR T cell therapy. The audience will be attuned to recognizing subtle imaging findings on CT and MRI and incorporating these into the clinical presentation of ICANS. In addition, other infrequent neuroimaging complications including posterior reversible encephalopathy syndrome (PRES), thrombotic microangiopathy and opportunistic infections.