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MRI Safety Culture: What is my role?

The increased utilization of magnetic resonance imaging (MRI) in pediatric populations has introduced new challenges in transportation, communication, and safety practices dynamics. MRI environment is different for other imaging modalities and requires specialized knowledge and strict adherence to MRI safety protocols. Additionally, pediatric patient care usually requires multiple providers of different backgrounds, which if not familiarized with MRI safety policies can further increase the risk of safety events. The objective of this lecture is to provide a case-based approach to discuss key features of MRI safety such as MRI environment zoning, MRI screening process, and how MRI safety culture leads to better understanding of everyone's role and responsibilities utilizing transparency, accountability, and improvement of processes over punishment. In conclusion, understanding MRI safety basics and applying MRI safety culture concepts will support a multidisciplinary team to do their part and create a better workflow to ensure patient and staff safety in an MR environment.

Keywords: MRI safety, Just Culture, MRI Safety Culture

Biography

Dr. Vidal is an attending pediatric neuroradiologist in the Division of Neuroradiology of the Department of Radiology at Children's Hospital of Philadelphia.

In 2012 she moved to the United States from Brazil and completed multiple fellowships including Neuroradiology fellowship at Case Western Reserve University and Pediatric Neuroradiology fellowship at Texas Children's Hospital.

Prior to joining CHOP, Dr. Vidal worked as an attending neuroradiologist and pediatric neuroradiologist at the University of Maryland School of Medicine/Medical Center in Baltimore. Currently she serves as Associated Chair for Patient safety for the department of radiology and one of the magnetic resonance medical directors.