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Dr. Patay is a board-certified neurologist and radiologist with subspecialty qualification in neuroradiology and special expertise in pediatric neuroradiology. He trained in Hungary, France and Belgium and worked for 10 years in the King Faisal Specialist Hospital and Research Center in Riyadh, Saudi Arabia before moving to the USA. His 37 years of clinical along with many years of academic and teaching experience are his principal assets as a clinical investigator, researcher and mentor.

Over his professional career his main areas of interest have been the non-invasive, MRI-based evaluation of cerebrovascular diseases (MR neuroangiography), neurometabolic disorders (in particular the comprehensive imaging evaluation of CNS involvement) and multimodality quantitative parametric imaging in neuro-oncology. Currently, he focuses on a.) Imaging genomics in embryonal tumors of the central nervous system (including medulloblastoma and ATRT). b.) Conventional as well as quantitative MR-based analysis of pediatric high-grade gliomas (diffuse midline gliomas, in particular), and c.) Early side effects of cancer treatment (including the phenomenon of diaschisis in the central nervous system and its clinical implications in cerebellar mutism syndrome). He has published more than 100 peer-reviewed papers and wrote or contributed to 20 book chapters published in major pediatric radiology textbooks.

Administratively, initially as Chief of the Section of Neuroimaging, and now as Chair of the Department of Diagnostic Imaging at St. Jude Children's Research Hospital, he works towards creating a stimulating, inspiring environment for his senior and junior colleagues and encourage them to develop a healthy balance between a rewarding clinical experience and innovative research, independent and collaborative. He is also interested in developing IT solutions to enhance the efficiency and quality of clinical radiology operations.

Dr. Patay has always cultivated a distinguished passion for teaching and sharing knowledge with others. He has been a successful mentor, recognized by more than 250 invited lectures at major national and international meetings and courses. He has been involved in resident and fellow training in neuroradiology for 27 years. He has mentored several students and young investigators over the years.

To access his publications listed in PubMed, please use the link below.

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