

**Dr. Bar Yosef** is a pediatric neurologist in the Edmond and Lily Safra Children's Hospital at Sheba Medical Center, Ramat Gan, Israel. Dr. Bar Yosef graduated from the Hebrew University, Faculty of Medicine and trained in Pediatrics at Sheba Medical Center, Israel. He was trained in Pediatric Neurology in the Hospital for Sick Children, Toronto, ON, Canada. Dr. Bar Yosef has a Ph.D. in neurobiology from the Hebrew University. In his Ph. D. research, he studied the electrophysiological characteristics of cortical neurons of the auditory system.

His main focus in pediatric neurology is neonatal neurology and neuro-critical care, especially in the pediatric cardiac ICU. He is responsible for the in-hospital service, as well as, the follow up clinic of these areas. He is also the neurological consultant in fetal neurology service and clinic in cooperation with geneticists and gynecologists.

He is involved in several research projects including: prognostication of the development of children with abnormal fetal MRI findings and neonates with HIE and neonatal seizures; Development of biomarker for early diagnosis of brain injury; Treatment of early neurological complications in the ICU (i.e. hypoxic-ischemic brain injury, seizures, delirium). He is also collaborating in basic research of the use of cell therapy in animal models of cerebral palsy.