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Perisylvian Polymicrogyria: Unusual Presentation of Malformation of Cortical Development in an Adult

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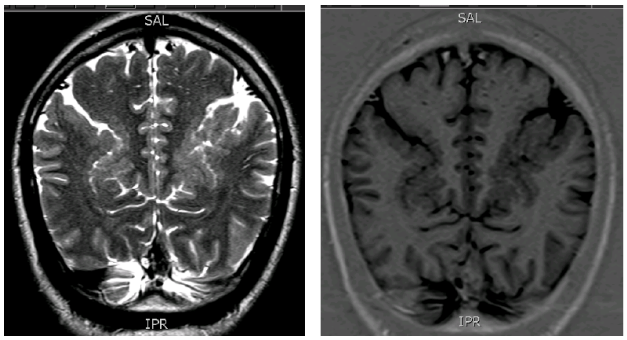
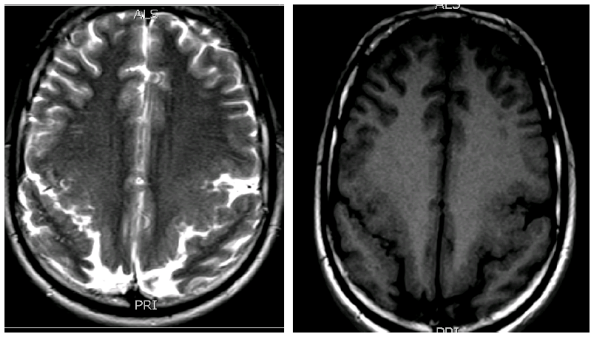
Description

A 42 year old man with no antecedent illness presented with refractory focal seizures having a sensory aura suggestive of left parietal ictal onset since 14 years of age along with poor scholastic performance and non-progressive slurring of speech. He had an IQ of 80 and his examination was notable for spastic dysarthria and subtle bipyramidal signs. His MRI showed bilateral perisylvian polymicrogyria (BPP) and EEG showed bilateral centroparietal IEDs [1,2]. BPP are cortical malformations secondary to abnormal postmigrational development, clinically characterized by perisylvian syndrome, mental retardation and seizures. The posterior extension of the polymicrogyria may explain the parietal onset of seizures.



Figure



Figure

References

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2. Barkovich AJ, Hevner R, Guerrini R (1999) Syndromes of bilateral symmetrical polymicrogyria. AJNR Am J Neuroradiol 20: 1814-1821.