Impact of 4p- (Wolf-Hirschhorn) Syndrome on Expressive Language Development

Abstract
A contiguous gene syndrome, 4p- syndrome results from partial deletion of the short arm (p) of chromosome four. The major 4p- variants include Wolf-Hirschhorn syndrome (WHS), Pitt-Rogers-Danks syndrome (PRDS), and Proximal 4p syndrome. Trisomy 4p is a rare chromosomal disorder in which all or a portion of the short arm of chromosome 4 appears three times rather than twice. This presentation highlights the variability in the severity and spectrum of physical, communication, and expressive language characteristics of 232 children, adolescents, and adults with 4p conditions from 16 countries and Puerto Rico. The impact of genotypic variation on communication and expressive language development in this population and implications for management of complex communication needs are discussed.

References


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