

# File Type PDF Abnormal Brain Lateralization In High Functioning Autism

## Abnormal Brain Lateralization In High Functioning Autism

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Abnormal Brain Lateralization in High-Functioning Autism 541. Fig. 1. Percentages of left, right, and mixed lateral dominance in healthy individuals and autistic individuals with and without early.

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T1 - Abnormal Brain Lateralization in High-Functioning Autism. AU - Escalante-Mead, Paul R. AU - Minshew, Nancy J. AU - Sweeney, John A. PY - 2003/10/1. Y1 - 2003/10/1. N2 - Disturbances in lateral preference in autism are of interest because of their potential to shed light on brain maturational processes in this disorder.

~~Abnormal Brain Lateralization in High-Functioning Autism ...~~

abnormal-brain-lateralization-in-high-functioning-autism 2/8 Downloaded from datacenterdynamics.com.br on October 28, 2020 by guest research on atypical cerebral lateralization in the most common neurodevelopmental disorders: stuttering, dyslexia, autism and intellectual disability. Emphasis is placed on recent studies, as well as descriptions of

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Abnormal Brain Lateralization in High-Functioning Autism Paul R. Escalante-Mead,<sup>1</sup> Nancy J. Minshew,<sup>2</sup> and John A. Sweeney<sup>1,3</sup> Disturbances in lateral preference in autism are of interest because of ...

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Abnormal Brain Lateralization in High-Functioning Autism Abnormal Brain Lateralization in High-Functioning Autism Escalante-Mead, Paul; Minshew, Nancy; Sweeney, John 2004-10-05 00:00:00 472610.qxd 9/11/03 3:37 PM Page 539 Journal of Autism and Developmental Disorders, Vol. 33, No. 5, October 2003 (© 2003) Abnormal Brain Lateralization in High-Functioning Autism 1 2 1,3 Paul R. Escalante-Mead ...

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Abnormal Brain Lateralization in High-Functioning Autism Abnormal Brain Lateralization in High-Functioning Autism Escalante-Mead, Paul; Minshe, Nancy; Sweeney, John 2004-10-05 00:00:00 472610.qxd 9/11/03 3:37 PM Page 539 Journal of Autism and Developmental Disorders, Vol. 33, No. 5, October 2003 (© 2003) Abnormal Brain Lateralization in High ...

~~Abnormal Brain Lateralization In High-Functioning Autism~~

Brain lateralization for language in high-functioning children with autism spectrum conditions (ASC) and sensory processing were explored as a part of a neuropsychological profile. A dichotic listening test and the Luria laterality subtest were administered to all participants (including controls) and the sensory profile test only to the ASC group.

~~Abnormal Linguistic Lateralization and Sensory Processing ...~~

Children with specific language impairment exhibited a significant lack of left lateralization in all core language regions (inferior frontal gyrus-opercularis, inferior frontal gyrus-triangularis, supramarginal gyrus and superior temporal gyrus), across single or combined task analysis, but no difference of lateralization for the rest of the brain.

~~Abnormal functional lateralization and activity of ...~~

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## ~~Abnormal Brain Lateralization In High Functioning Autism~~

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## ~~Abnormal Linguistic Lateralization and Sensory Processing ...~~

The lateralization of brain function is the tendency for some neural functions or cognitive processes to be specialized to one side of the brain or the other. The medial longitudinal fissure separates the human brain into two distinct cerebral hemispheres, connected by the corpus callosum. Although the macrostructure of the two hemispheres appears to be almost identical, different composition of neuronal networks allows for specialized function that is different in each hemisphere. Lateralizatio

## ~~Lateralization of brain function — Wikipedia~~

Lateralization of brain structure and function occurs in typical development, and abnormal lateralization is present in various neuropsychiatric disorders. Autism is characterized by a lack of left lateralization in structure and function of regions involved ...

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~~Abnormal lateralization of functional connectivity between ...~~

All in all, the information presented above on abnormal brain lateralization in ADHD is inconclusive; albeit most evidence favors right hemisphere dysfunction. In arriving at this conclusion, it is underlined that atypical laterality is based on research carried out on individuals fulfilling the DSM criteria for ADHD which is termed the categorical approach.

~~Frontiers | Brain lateralization and self-reported ...~~

The abnormal broadband EEG asymmetry in autism may point to a diminished capacity of right temporal cortex to generate EEG rhythms. The concurrent lack of normal leftward asymmetry of mu rhythm suggests that abnormalities in EEG lateralization in autism may be regionally/functionally specific.

~~Abnormal EEG lateralization in boys with autism ...~~

Autism is characterized by a lack of left lateralization in structure and function of regions involved in language, such as Broca and Wernicke areas. Using functional connectivity magnetic resonance imaging from a large publicly available sample (n = 964), we tested whether abnormal functional lateralization in autism exists preferentially in language regions or in a more diffuse pattern across networks of lateralized brain regions. The autism group exhibited significantly reduced left ...

~~Abnormal lateralization of functional connectivity between ...~~

Several contributions have reported reduced brain lateralization in schizophrenia, causing a

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failure of left hemisphere dominance. Evidence of altered connectivity among distinct cortical areas is also accumulating. The aim of the present article is to critically review such contributions.

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