

Review of: "The neuropsychological effects of some childhood neurodevelopmental disorders"

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Potential competing interests: No potential competing interests to declare.

1- The introduction should be reworded. It should not read exactly the same as the abstract.

2-- I imagine Qeios does not require in text citations but I would recommend doing so. It allows the reader to access further specific information.

3- Your definition of what neurodevelopmental disorders are is adequate for purposes of what your are presenting. I would suggest adding the DSM5TR, ICD or WHO definition as well. It is important to have a shared validated definition as there will potentially be a variety of readers with different knowledge basis on the subject. I would also add something along the lines of the neuropsychological sequelae ranges from very specific limitations to more global impairments such as in intellectual functioning and /or social skills.

4- In the section on ASD, I believe a little more specificity (perhaps by example) would be best. Afterall, your tile suggest the focus to be on the neuropsychological aspects.

5- I agree that an experience clinician/evaluator can diagnose ASD very early on as you have stated. Perhaps not in Spain, but in other parts of the world many do not get diagnosed until later on in life. Many are diagnosed once they are in the schools, and others do not receive a diagnosis until adulthood. Many females on the spectrum are not identified because the present differently than males.

6-The spelling of fetal as "foetal" (the British spelling) may need revision to make it more of a "universal" spelling. THIS IS TOTALLY UP TO YOU.

7- Consider adding head injury and infections (i.e. meningitis) as a cause of Hydrocephalus.

8- "...**neurological examination techniques** (CT scan, ultrasound and MRI) that estimate the amount of extra CSF...) Consider using the term **neuroimaging techniques**.

9- " ...and some of the**executive functions** such as planning are also abnormal." Instead of "abnormal" consider using "compromised" or "impacted".

10- "When genetics presents a certain anomaly during brain development, the so-called**neurodevelopmental disorders in children** arise **due to** genetic **variation**." Consider this revision: *When the normal course of brain development is derailed by some form of genetic variation a neurodevelopmental disorder is likely to arise.*

11- Under section 4.1: ...*"which produces **pathologies of different physical systems** (cardiac malformations, metabolic problems related to different substances), and **phenotypic traits** such as a *pixie face*."* Consider defining more specifically "pixie face" . Example: Facial features frequently include a broad forehead, underdeveloped chin, short nose, and full cheeks.

12- "With regard to **neuropsychological waiting**". What does this mean? Did you mean neuropsychological testing?

13- Consider citing the newer version of DSM5 (DSM5-TR).

14- Overall this is a nice informative summary. You set out to describe neuropsychological impacts of specific neurodevelopmental disorders and provided specific examples of a disorder from each classification category. I understand this post should be brief and perhaps this is why more detail on the neuropsychological sequelae was not presented. The title would lead the reader to expect more. The post would be appropriate for a novice reader with little background knowledge. It falls a little short for readers with more extensive knowledge.