

## **Might intermediate Alleles in the *HTT* gene be pathogenic?**

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Intermediate Alleles (IAs) are expansions of CAG repeats in the *HTT* gene between 27 and 35 repeats. The frequency of IAs in the general population varies considerably among populations. IAs are known to be unstable, being able to expand into the pathologic range in descents of carriers. Beyond that, the clinical meaning of IAs is controversial. Studies report a higher risk of cognitive impairment in carriers of IAs. Moreover, a number of carriers of IAs have been diagnosed with Huntington's disease. However, few of these cases have neuropathological confirmation. Here we report our series of cases where Huntington's was suspected and the number of CAG repeats in the *HTT* gene was found to be in the intermediate range