IQSEC2-related Disorder

https://pubmed.ncbi.nlm.nih.gov/30206421/

Purpose:
Variants in IQSEC2, escaping X inactivation, cause X-linked intellectual disability with frequent
epilepsy in males and females. We aimed to investigate sex-specific differences.
Methods:
Ma callegate data at 27 compublished matients (40 males and 40 females) with 100000
We collected the data of 37 unpublished patients (18 males and 19 females) with IQSEC2
pathogenic variants and 5 individuals with variants of unknown significance and reviewed published
variants. We compared variant types and phenotypes in males and females and performed an

analysis of IQSEC2 isoforms.

This study provides a comprehensive overview of IQSEC2-related encephalopathy in males and

females, and suggests that an accurate dosage of IQSEC2 at the synapse is crucial during normal

Results:

brain development.