Cortical pencil lining on SWI MRI in NBIA and healthy aging

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Additional file 1

Additional file 1: Table S1 NBIA patient demographics

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| --- | --- | --- | --- | --- | --- |
| NBIA | Mutation | Gender | Age at scanning | Age of onset (Years) | Symptoms |
| BPAN | WDR45 (C.28.1 C>GP. TY RE 127\*) | F | 6 | 2 | Developmental delay, verbal delay, reduced IQ. |
| BPAN | WDR45 (c.250G>T, p.(Asp84Tyr) | F | 7 | 1 | Global developmental delay, verbal delay, focal epileptic seizures, low muscle tone in extremities. |
| BPAN | WDR45 (c.698G>A; p.Arg233His) | M | 14 | 4 | Moderate developmental delay, focal epileptic seizures, distal myoclonus in the hands, behavioral problems. |
| PKAN | Compound heterozygote: PANK (c.1317del, p(Arg440fs)) + del exon 1-6 | M | 2 | 2 | Developmental delay, dysarthria, posturing of left hand and foot, abnormal gait. |

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Additional file 1**: Figure S1: SWI with the positioning of the circular region-of-interest in the cerebrospinal fluid of the lateral ventricle (A) and in one of the brain structures of interest, the caudate nucleus (B).**

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Additional file 1: **Figure S2: Presence or absence of cortical pencil lining. Representative SWI images of healthy subjects (35 years old) showing the absence or presence of cortical pencil lining. Cortical pencil lining indicated with an arrow.**