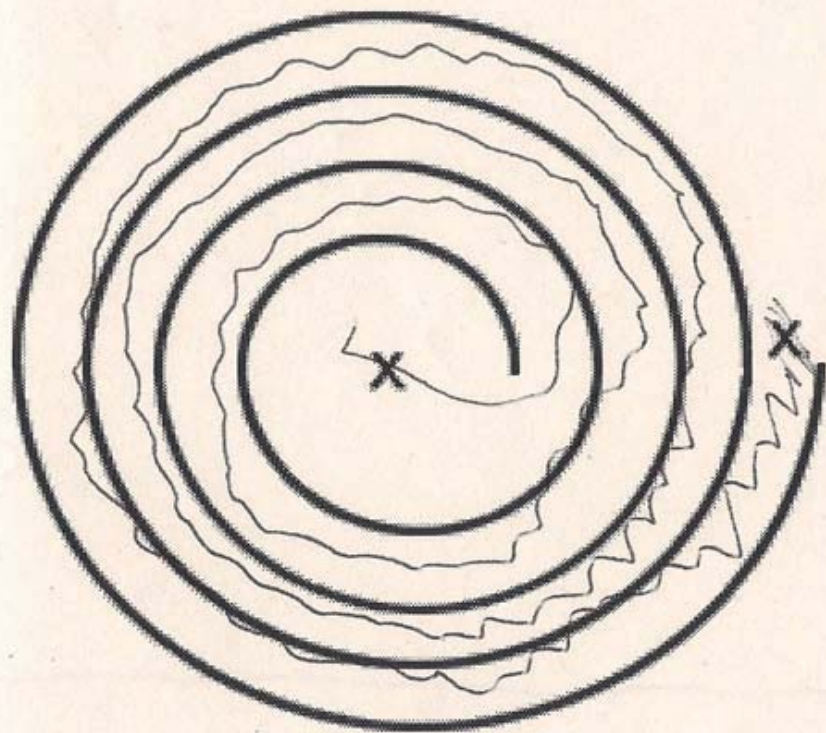


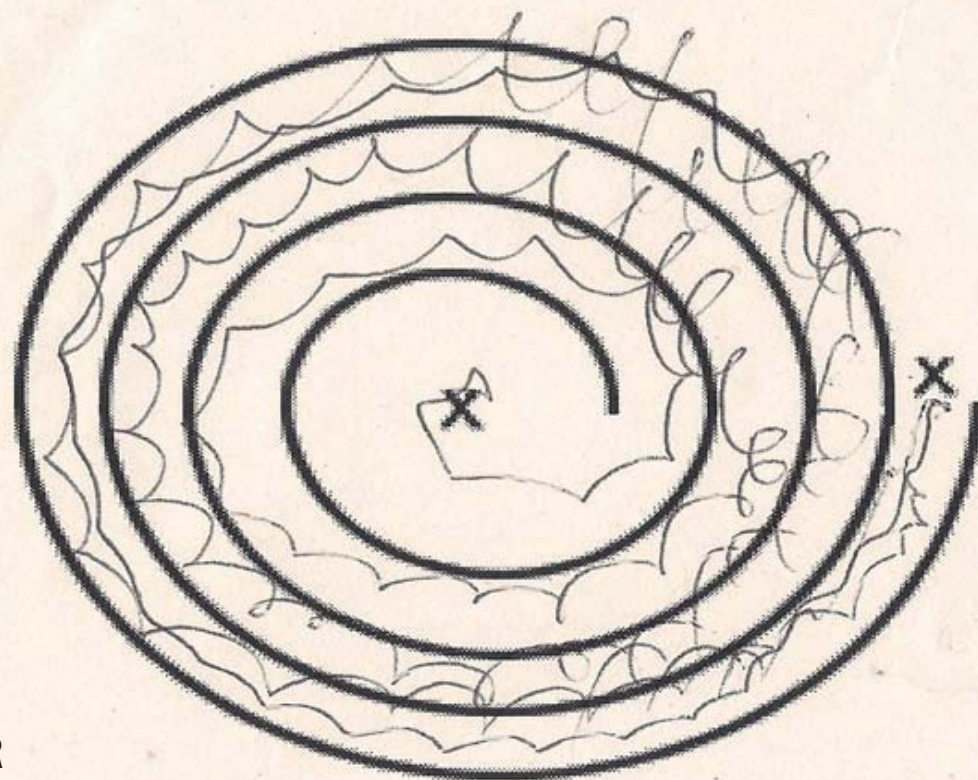
Supplementary Material

Figure S1: Archimedes spiral test of patient 3

Archimedes spirals of patient 3 are shown. L represents the non-dominant left hand, and R represents the dominant right hand. The spirals were drawn on paper.



L



R

Supplementary Table S1: Primer sequences used in RT-PCR analyses

Primer name	Forward Primer (5'-3')	Reverse Primer (5'-3')
β-actin (mouse)	CAGAGCAAGAGA GGTATCCTG	GTTGCCAATAGTGATGACCTG
SCN2A (mouse)	GTTTCAGCAGATGCTGGAGC	GCATGGAGGGCATTCTGTC
SCN4A (mouse)	TCACCCACACTGTTCCGTGT	CAATGTCGGGTCACAGTCTG
SCN1A (human)	TGTCTCGGCATTGAGAACATTC	ATTGGTGGGAGGCCATTGTAT
SCN2A (human)	TCTAAGCGTGTTTGCGCTAAT	ACCATTCCCATCCAATGAATTGT
SCN4A (human)	TTCACAGGGATCTACACCTTTGA	CACAAACTCTGTCAGGTACGC