

Supp. Fig 1.: Evolution of neuropsychological performance of a patient with FASTKD2-related mitochondrial disease

	Age 14 years, During admission at the time of NORSE	Age 14 years, Follow-Up 3 months after NORSE	Age 22 years, During presurgical evaluation
COGNITION	<i>WISC-IV</i>	<i>WISC-IV</i>	<i>WAIS</i>
Intelligence quotient	56 [52-62] (normal 84-115) ; PR 0.2 (16-84)	81 [70-88] (84-115) ; PR 10.3 (16-84)	
Vocabulary	PR 4.8* (16-84)	PR 25.2 (16-84)	IQ 95 (85-115)
Visual Construction	PR 0.3* (16-84)		IQ 90 (85-115)
Visual convergent thinking	PR 0.7* (16-84)	PR 25.2 (16-84)	IQ 90 (85-115)
MEMORY	<i>VLMT; DCS</i>	<i>VLMT,DCS</i>	<i>VLMT</i>
Verbal Memory	PR < 5* (16-84)		IQ 85 (85-115)
Figural Memory	PR 30(16-84)		IQ 103 (85-115)
ATTENTION	<i>TAP</i>	<i>TAP</i>	<i>TAP</i>
Divided attention	PR 21(16-84)		IQ 85 (85-115)
Mental processing speed	impaired	PR 5.5* (16-84)	IQ 55* (85-115)
Alertness phasic	PR 66 (16-84)		IQ 73* (85-115)
EXECUTIVE FUNCTION	<i>TL-3 , WISC-IV</i>	<i>TL-3, WISC-IV</i>	<i>Trail Making Test B, WAIS</i>
Working Memory visual	PR 0.2*(16-84)	PR 11.5* (16-84)	IQ 94 (85-115)
Working Memory verbal			IQ 90 (85-115)
Semantic fluency			IQ 65* (85-115)
Inhibition control	PR < 1* (16-84)		IQ 64* (85-115)
Flexibility	average		IQ 55* (85-115)

* Values below average

DCS...diagnostics for cerebral injuries, PR... percentage range, TAP...Test of Attentional Performance, TL-3...tower of london test; VLMT...verbal learning and memory test, WAIS... Wechsler Adult Intelligence Scale, WISC-IV (Wechsler Intelligence Scale for Children, 4th Edition)