

GMDS	DQ	DA
General	62	10 months
Locomotor Area	78	12,5 months
Personal and Social Area	65	10,5 months
Language Area	62	10 months
Manual and Visual Coordination Area	59	9,5 months
Non-Verbal Skill Area	46	7,5 months

Supplementary Table S1. **Developmental presurgical scale of patient #1 at 16 months.**

GMDS: Griffiths Mental Developmental Scales, DQ: Developmental Quotient, DA:

Developmental Age

WISC IV	Index
Full scale IQ	73
Verbal Comprehension Index	92
Perceptual Reasoning Index	74
Working Memory Index	67
Processing Speed Index	82

Supplementary Table S2: Cognitive postsurgical evaluation of patient #1 at 10,5 years (9 years after surgery)

GMDS	Pre-surgery		Post-surgery	
	DQ (30 m)	DA (30 m)	DQ (61m)	DA (61m)
General	53	16 m	53	32 m
Locomotor Area	53	16 m	37	22,5 m
Personal and Social Area	60	18 m	64	39 m
Language Area	43	13 m	59	36 m
Manual and Visual Coordination Area	57	17 m	43	26 m
Non-Verbal Skill Area	51	15,5 m	61	37 m

Supplementary Table S3: Pre- and postsurgical GMDS of patient #2

GMDS				
Chronological Age	3,5 m	15 m	27 m	48 m
	DQ	DQ	DQ	DQ
Locomotor Area	60	44	26	17
Personal and Social Area	94	51	34	31
Language Area	31	53	35	17
Manual and Visual Coordination Area	n.a.	43	26	21
Non-Verbal Skill Area	57	36	24	35

Supplementary Table S4: Post-surgical GMDS of patient #4 at 3.5, 15, 27 and 48 months after surgery