

**Supplementary Table 1.** Clinical and device information of individual implanted children

Subject	Sex	Current age (year)	First CI				Second CI or HA				Comments
			Side	Device	Age at implantation (month)	Duration of CI use (year)	Side	Device	Age at implantation (month)	Interval between two CIs (month)	
UCI1	F	15	L	N	27	13	N/A	N/A	N/A	N/A	
UCI2	M	13	R	N	26	12	N/A	N/A	N/A	N/A	
UCI3	M	13	L	N	21	12	N/A	N/A	N/A	N/A	
UCI4	M	13	R	N	19	12	N/A	N/A	N/A	N/A	
UCI5	M	15	L	N	50	12	N/A	N/A	N/A	N/A	Congenital heart disease
UCI6	M	14	L	C	36	11	N/A	N/A	N/A	N/A	
UCI7	M	11	R	C	56	7	N/A	N/A	N/A	N/A	Revision CI (5 years after CI)
UCI8	F	7	R	N	15	6	N/A	N/A	N/A	N/A	
UCI9	F	7	L	N	14	6	N/A	N/A	N/A	N/A	
UCI10	M	7	L	C	17	6	N/A	N/A	N/A	N/A	
UCI11	M	10	R	N	24	9	N/A	N/A	N/A	N/A	
UCI12	F	12	R	C	39	9	N/A	N/A	N/A	N/A	
UCI13	M	12	L	C	35	10	N/A	N/A	N/A	N/A	
UCI14	F	14	R	N	47	10	N/A	N/A	N/A	N/A	
UCI15	F	12	L	C	35	10	N/A	N/A	N/A	N/A	
UCI16	M	11	R	C	23	10	N/A	N/A	N/A	N/A	Revision CI (3 years after CI)
UCI17	M	7	R	N	32	5	N/A	N/A	N/A	N/A	
CI+HA1	F	10	L	N	47	6	N/A	N/A	N/A	N/A	
CI+HA2	F	14	L	N	22	13	N/A	N/A	N/A	N/A	
CI+HA3	F	16	L	N	42	13	N/A	N/A	N/A	N/A	
CI+HA4	F	13	R	N	22	11	N/A	N/A	N/A	N/A	
CI+HA5	F	16	R	N	42	13	N/A	N/A	N/A	N/A	
CI+HA6	F	9	R	C	18	8	N/A	N/A	N/A	N/A	
CI+HA7	F	10	L	N	39	7	N/A	N/A	N/A	N/A	
CI+HA8	F	10	L	N	39	7	N/A	N/A	N/A	N/A	
CI+HA9	F	10	L	C	34	8	N/A	N/A	N/A	N/A	
CI+HA10	F	8	L	C	22	7	N/A	N/A	N/A	N/A	
CI+HA11	M	11	L	N	56	7	N/A	N/A	N/A	N/A	
CI+HA12	F	9	R	N	27	7	N/A	N/A	N/A	N/A	Noonan syndrome
CI+HA13	F	8	R	N	23	6	N/A	N/A	N/A	N/A	FSHD
CI+HA14	M	9	L	N	35	6	N/A	N/A	N/A	N/A	Developmental delay
CI+HA15	M	7	R	C	26	6	N/A	N/A	N/A	N/A	
CI+HA16	F	9	L	N	40	6	N/A	N/A	N/A	N/A	
CI+HA17	F	7	R	N	15	6	N/A	N/A	N/A	N/A	
CI+HA18	M	7	L	C	26	5	N/A	N/A	N/A	N/A	
CI+HA19	M	8	L	N	45	5	N/A	N/A	N/A	N/A	
CI+HA20	F	9	R	N	52	5	N/A	N/A	N/A	N/A	
CI+HA21	F	6	R	N	24	5	N/A	N/A	N/A	N/A	ELBW
CI+HA22	M	7	R	N	13	7	N/A	N/A	N/A	N/A	
CI+HA23	M	11	L	N	24	9	N/A	N/A	N/A	N/A	
CI+HA24	F	10	R	C	29	8	N/A	N/A	N/A	N/A	
CI+HA25	F	13	L	N	32	11	N/A	N/A	N/A	N/A	
CI+HA26	F	8	R	N	28	6	N/A	N/A	N/A	N/A	
CI+HA27	F	9	R	N	27	7	N/A	N/A	N/A	N/A	
CI+HA28	M	8	R	N	30	5	N/A	N/A	N/A	N/A	
CI+HA29	F	11	L	N	33	9	N/A	N/A	N/A	N/A	EVAS
BCI1	F	15	L	N	32	12	R	N	81	49	
BCI2	F	17	R	N	58	12	L	N	155	97	
BCI3	F	8	L	N	14	7	R	N	38	24	
BCI4	F	9	L	N	21	8	R	N	79	58	EVAS
BCI5	M	8	R	N	15	7	L	N	50	34	
BCI6	M	8	R	N	16	7	L	N	77	61	
BCI7	M	9	R	N	32	7	L	N	59	27	
BCI8	F	9	R	C	36	6	L	C	46	10	
BCI9	M	7	R	N	19	6	L	N	30	11	
BCI10	F	8	R	N	27	6	L	N	47	20	
BCI11	M	10	R	N	58	6	L	N	75	17	
BCI12	M	8	L	N	32	6	R	N	46	14	
BCI13	M	10	R	N	57	6	L	N	76	18	
BCI14	M	7	R	N	15	6	L	N	45	30	
BCI15	F	6	R	N	16	6	L	N	53	37	
BCI16	M	10	R	N	56	5	L	N	88	32	
BCI17	F	12	R	C	24	10	L	N	111	87	
BCI18	M	8	R	C	18	7	L	C	73	55	Noonan syndrome
BCI19	F	12	L	N	29	10	R	N	93	64	
BCI20	M	13	R	N	33	11	L	N	53	20	
BCI21	F	10	R	N	23	8	L	N	57	34	

M: male, F: female, R: right, L: left, N: Nucleus, C: Clarion, CI: cochlear implant, N/A: not applicable, MR: mental retardation, FSHD: facioscapulohumeral muscular dystrophy, ELBW: extremely low birth weight, EVAS: enlarged vestibular aqueduct syndrome, UCI: unilateral CI, HA: hearing aid, BCI: bilateral CI