

Table 5 Relationship between central nervous system risk factors and neurodevelopmental disorders at 2 years of age by gestational age, groups of <34SDG and >34SDG

Variable	Hearing impairment					Visual impairment					Language impairment					Motor impairment				
	<34		>34		p-value*	<34		>34		p-value*	<34		>34		p-value*	<34		>34		p-value*
	SD G	SDG	O R	95 % CI		SD G	SDG	O R	95 % CI		SD G	SDG	O R	95 % CI		SD G	SDG	O R	95 % CI	
n=1	n=10				n=1	n=10				n=1	n=10				n=1	n=10				
HIV I-II	3	1	2.5	0.35 - 18.6	0.559	3	1	2.5	0.35 - 18.6	0.559	6	1	5.1	0.83 - 31.5	0.111	3	1	2.4	0.71 - 8.16	0.559
HIV III-IV	0	3	1.3	0.95 - 1.97	1	0	0	-	-	-	0	2	1.4	0.72 - 3.03	1	0	0	-	-	-
Leukoencephalomalacia periventricular	0	0	-	-	-	1	0	9.6	1.74 - 53.3	0.2	1	0	1.4	0.72 - 3.03	0.2	1	0	2.4	0.71 - 8.16	0.2
Neuroinfection with isolated pathogen	0	1	1.3	0.59 - 3	0.53	0	0	-	-	-	0	1	1.4	0.72 - 3.03	0.362	0	1	2.4	0.71 - 8.16	
Seizures	1	5	1.3	0.59 - 3	0.37	1	0	9.6	1.74 - 53.3	0.63	1	4	1.4	0.72 - 3.03	0.313	1	1	2.4	0.71 - 8.16	0.12
Hyperbilirubinemia	4	11	1.5	0.52 - 4.05	0.446	3	2	6.5	1.23 - 34.5	0.4	5	15	1.4	0.67 - 3.14	0.483	3	6	2.1	0.64 - 7.4	0.167
Retinopathy of prematurity	2	3	1.3	0.59 - 3	0.535	1	0	0.5	0.12 - -1.9	0.017	2	2	1.5	0.67 - 3.33	1	2	0	2.4	0.71 - 8.16	0.1

A higher risk of hearing and language impairment is observed with the presence of grade I-II intraventricular hemorrhage. IVH: intraventricular hemorrhage, GA: gestational age. * Fisher's exact test