

Assessment Of Children With Cerebral Palsy Using Common Brief Core Set Of International Classification Of Functioning, Disability And Health

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Introduction

- Cerebral palsy (CP) is one of most frequent causes of motor disability in children.
- In order to provide the holistic understanding of functioning and disability in children with cerebral palsy, WHO developed the international classification of functioning, disability and health (ICF-CY).
- Each category of ICF-CY has its universal code (e.g. intellectual function b117)

Methods

- Study design:** Cross sectional research design
- Study population:** 59 children with cerebral palsy (0-18 years)
- Data collection:** Done by using common brief core set of ICF-CY
- Analysis:** Qualitative analysis was performed using SPSS version 25

Conclusion.

It can help to assess the children with cerebral palsy beyond their impairments and strengthen their abilities by providing them rehabilitation in a more structured way. It also helps to determine that how the environment is affecting their functionality of children with cerebral palsy. Through implementation of these core sets we can standardize the functional assessments of CP worldwide.

Objective

The purpose of this study was to analyze the different areas of functioning in children with CP by administering Common Brief Core Sets of ICF-CY

Result

Male :Female : 2:1

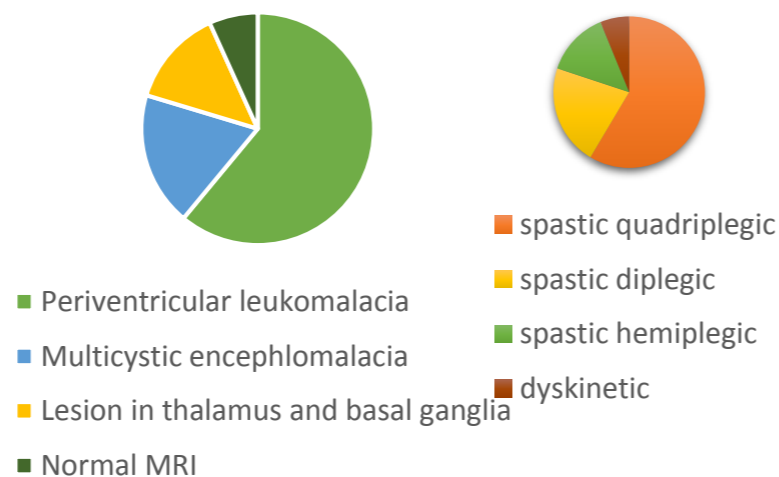
Body function & Activity and Participation :

0 no impairment
4- Complete impairment

Environmental factor:

0 no barrier
4 complete barriers
+0 no facilitator
+4 a complete facilitator

MRI brain Percentage of CP



Brief ICF core set for CP	ICF qualifiers %age distribution among children with cerebral palsy							
	0	1	2	3	4			
Body function								
b117	0.00	5.1	35.6	42.4	16.9			
b134	76.3	5.1	15.3	3.4	0.00			
b167	3.4	13.6	22.0	40.7	20.3			
b210	59.3	10.2	23.7	5.1	1.7			
b280	55.9	18.6	18.6	6.8	0.00			
b710	1.7	18.6	35.6	32.2	11.9			
b735	1.7	25.4	25.4	37.3	10.2			
b760	0.00	16.9	25.4	42.2	15.3			
Activity and participation	0	1	2	3	4			
d415	5.1	22.0	22.0	30.5	20.3			
d440	0.00	20.3	33.9	30.5	15.3			
d450	6.8	15.3	28.8	22.0	27.1			
d460	8.5	13.6	25.4	20.3	32.2			
d530	16.9	16.9	20.3	27.1	18.6			
d550	15.3	20.3	33.9	23.7	6.8			
d710	3.4	32.2	40.7	16.9	6.8			
d760	30.5	45.8	23.7	0.00	0.00			
Environmental factors	+4	+3	+2	-1	0	1	2	3
e115	0.00	0.00	3.4	42.4	54.2	0.00	0.00	0.00
e120	0.00	0.00	0.00	33.9	66.1	0.00	0.00	0.00
e125	0.00	0.00	20.3	47.5	32.2	0.00	0.00	0.00
e150	0.00	0.00	0.00	0.00	15.3	54.2	30.5	0.00
e310	6.8	32.2	39.0	13.6	8.5	0.00	0.00	0.00
e320	6.8	8.5	30.5	49.2	5.1	0.00	0.00	0.00
e460	0.00	6.8	3.4	6.8	15.3	42.4	23.7	1.7
e580	0.00	0.00	22.0	40.7	37.3	0.00	0.00	0.0

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