130. **Título:** Relationship between motor function, cognitive performance, functional independence and quality of life in myelomeningocele.

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**Palavras Chave:**
Disability Evaluation; Cognition; Quality of Life; Meningomyelocele

**Introdução e objetivos:** Many studies described the gross motor function, cognitive performance, functional independence and quality of life separately in patients with myelomeningocele (MMC), but no studies have described these variables simultaneously and/or investigated the relationships between them. The present study aimed to describe and to investigate possible relationships between motor function, cognitive performance, functional independence and quality of life in patients with MMC.

**Métodos:**
Forty-seven patients were evaluated with the Gross Motor Function Measurement (GMFM), the Raven’s Coloured Progressive Matrices, the Pediatric Evaluation of Disability Inventory (PEDI) and the Spina Bifida Health Related Quality of Life Questionnaire (HRQOL). Spearman correlation tests investigated the relationships between the variables.

**Resultado:** The mean score on GMFM was 63.7 ± 30.6. The mean percentage on Raven’s tests was 57%. The mean scores on PEDI were 68.9 ± 15.7 (self-care), 66.8 ± 29.4 (mobility) and 79.0 ± 18.5 (social function). The mean score on the quality of life scale was 161.2 ± 27.5. Motor function (GMFM) was strongly related to self-care (PEDI-SC) (r=0.722) and to mobility (PEDI-M) (r=0.896) and moderately related to social function (PEDI-SF) (r=0.572), to cognitive performance (Raven’s progressive matrices) (r=0.503) and to quality of life (HRQOL) (r=0.444). Cognitive function (Raven’s progressive matrices) was moderately related to self-care (r=0.467), mobility (r=0.513), social function (r=0.505) and quality of life (r=0.342). Self-care, mobility and social function were strongly related to each other and moderately related to HRQOL (r=0.641, 0.581 and 0.588, respectively).

**Discussão e conclusão:** In the present study, the quality of life has been strongly related to all PEDI domains (self-care, mobility and social function) and to motor and cognitive performance. All these aspects should be evaluated and approached to allow better outcomes in patients with MMC. Trabalho 1: Aprovado com o título "Caracterização e estimulação da função motora de membros inferiores em crianças de 0 a 4 meses com mielomeningocele." Aprovado pela CAPPesq com protocolo de número 0410/07 Trabalho 2: Aprovado com o título "Validação da versão brasileira da..."
"escala de qualidade de vida na espinha bífida". Aprovado pela CAPPesq com protocolo de número 0062/08 Trabalho 3: Aprovado com o título "Efeitos do uso da Happy Strap o controle postural de crianças com síndrome de Down". Aprovada pela Plataforma Brasil e CEP do HCFMUSP com CAAE: 11498013.6.0000.0068