Tipo	Periódico
Título	Analysis of motor and respiratory function in Duchenne muscular dystrophy patients
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Programa/Curso (s)	Programa de Pós-Graduação Stricto Sensu em Ciências da Saúde
DOI	10.1016/j.resp.2019.01.009
Assunto (palavras chaves)	Duchenne; Genetic disease; Lung function; motor skills; Muscular dystrophy; Spirometry
Idioma	Inglês
Fonte	Título do periódico: Respiratory Physiology & Neurobiology ISSN: 1569-9048 Volume/Número/Paginação/Ano: v. 262, p. 1-11, 2019
Data da publicação	April 2019
Formato da produção	Vários https://doi.org/10.1016/j.resp.2019.01.009
Resumo	Introduction: Duchenne muscular dystrophy(DMD) shows motor and respiratory impairment. Methods: 19 DMD patients (DMDG) (nine ambulatory and 10 non-ambulatory) were evaluated through motor function measure (MFM), 6-minute walk test (6MWT), respiratory muscle strength, cough peak flow, spirometry and volumetric capnography (VCap) tools. Control group that performed spirometry and VCap (CG1-n=17) were different from those that performed the 6MWT (CG2-n=8). Results: The follow tools were assessed ($p<0.05$): (i) MFM: Ambulatory patients showed higher values than non-ambulatory patients; (ii) 6MWT: DMDG walked a shorter distance and showed higher respiratory rate at rest and heart rate (HR) at rest than CG2; (iii) Spirometry: DMDG and non-ambulatory patients had minor values achieved in spirometry when compared with CG1 and ambulatory patients, respectively; (iv) VCap: DMDG when compared with CG1 showed: (<11 years-old) lower values in VCap parameters; (>11 years-old): higher HR and lower slope 2. There was correlation between spirometry, mainly for zFEV1/FVC, and MFM. Conclusion: DMDG showed motor (MFM/6MWT) and respiratory (spirometry/VCap) deterioration when compared with CG. Non-ambulatory condition was associated with worse MFM and spirometry.
Fomento	