

Poster presentation

Responsiveness of different sets of criteria for clinical response evaluation in a non-selected cohort of juvenile idiopathic arthritis (JIA) patients

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Objective

To evaluate the responsiveness of 4 sets of criteria for clinical response evaluation and the ACR-Ped-30 variables in a non-selected cohort of patients with JIA.

Methods

An observational study of a non-selected cohort of 50 JIA patients in the out-patient clinic was conducted. Four sets of criteria: DAS, DAS28, CDAI and SDAI and the variables of the ACR Ped-30 were evaluated at 26 and 54 weeks. Responsiveness was assessed with the effect size (ES), the standardized mean response (SMR) and the responsiveness-retrospective coefficients (RRC).

Results

See table 1.

Conclusion

The 4 sets of criteria for evaluation appear to be responsive outcome measures in a non-selected cohort of patients with JIA evaluated in the daily clinic.

Table 1:

Variables	Effect size	Standardized Mean Response	RRC
Physician's global assessment of disease activity	0.76	0.89	1.28
No. of active joints	0.22	0.17	0.48
No. of joints with limitation on motion	0.18	0.15	0.38
C-reactive protein	0.45	0.38	0.60
CHAQ disability index	0.35	0.30	0.42
Parent's assessment of child's well-being	0.78	0.65	1.53
Limited joint count Ritchie Articular Index	0.12	0.08	0.38
Swollen joint count (44)	0.28	0.20	0.80
Tender joint count (28)	0.27	0.20	0.86
Swollen joint count (28)	0.30	0.26	0.78
DAS	0.18	0.47	0.70
DAS28	0.57	0.44	1.12
SDAI	0.60	0.57	1.30
CDAI	0.58	0.48	1.20

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