HOW CAN WOMEN WITH FIBROMYALGIA TO CONTROL THE INTENSITY OF THEIR DAILY PHYSICAL ACTIVITY?

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To examine the validity of a simple tool based on perceived exertion (RPE) scales in women with fibromyalgia syndrome (FM) during treadmill exercise.

METHODS

Women (N = 32, age = 53.26 ± 6.61 years old) were assigned into two different groups in order to their functional capacity and symptomatology and they were asked to use an RPE scale (Borg 6–20RPE) during incremental treadmill exercise test. Exercise intensity was increased until participants achieved volitional exhaustion (VO2max). Expired respiratory gases, ventilatory parameters and heart rate (HR) were measured continuously during exercise and RPE was assessed each minute during the test. Reliability of the RPE scales was assessed using Pearson and Cronbach coefficients in test–retest. Validity estimates were calculated using Pearson product moment correlations, with % HRmax, VE, RR, RQ and % VO2max as criterion measures.

RESULTS

Reliability estimates were rsw = 0.71 in group 1 and rsw = 0.81 in group 2 compared with the Borg scale. Validity coefficients (rsw) where high for most of the physiological parameters (VE, RER, HR, VO2), Rho = 0.58–0.77 in group 1 and Rho = 0.43–0.86 in group, comparing with 6–20RPE.

CONCLUSION

The 6–20RPE scale was found to be reliable and valid for use with fibromyalgia women. This tool let the patients to exercise in an independent way and to the professionals to prescribe the exercise with a high security and control.
All contributions were reviewed anonymously.

Všechny přispěvky byly recenzovány anonymně.

The authors take response for contents and correctness of their texts.

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