CRITICAL REVIEW FORM: QUANTITATIVE STUDIES
Emory University Orthopedic Physical Therapy Residency Program


Citation:

**Study purpose:**

Was the purpose stated clearly? Yes □ No □

Outline the purpose of the study. How does the study apply to physical therapy and/or your research question?

**Literature:**

Was relevant background literature reviewed? Yes □ No □

Describe the justification of the need for this study.

**Design:**

Randomized □ Cohort □ Single case design □ Case-control □ Cross-sectional □ Case study □

Describe the study design. Was the design appropriate for the study question (eg. For knowledge level about this issue, outcomes, ethical issues, etc.)?

Specify any biases that may have been operating and the direction of their influence on the results.

**Sample:**

N=

Was the sample described in detail? Yes □ No □

Was the sample size justified? Yes □ No □

Sampling (who; characteristics; how many; how was sampling done?) If more than one group, was there similarity between the groups?

Describe ethics procedures. Was informed consent obtained?

**Outcomes:**

Were the outcome measures reliable? Yes □ No □
Were the outcome measures valid?  Yes □  No □

Specify the frequency of outcome measurement (i.e. pre, post, follow-up)

Outcome areas (dependent variables)

**Intervention:**

Intervention was described in detail?  Yes □  No □

Provide a short description of the intervention (focus, who delivered it, how often, setting). Could the intervention be replicated in physical therapy practice?

**Results:**

Results were reported in terms of statistical significance? Yes □  No □

Were the analysis methods appropriate? Yes □  No □

Clinical importance was reported? Yes □  No □

What were the results? Were they statistically significant? If not statistically significant, was the study big enough to show an important difference if it should occur? If there were multiple outcomes, was that take into account for the statistical analysis?

What was the clinical importance of the results? Were differences between groups clinically meaningful?

Drop outs were reported? Yes □  No □

Did any participants drop out from the study? Why? (Were reasons given and were drop-outs handled appropriately?)

**Conclusions and clinical implications:**

Conclusions were appropriately given for study methods and results? Yes □  No □

What did the study conclude? What are the implications of these results for physical therapy practice? What were the main limitations or biases in the study?