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# EFFECT SIZE ANALYSIS : AN INNOVATIVE METHOD TO POINT ESTIMATE

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Millions of publications and duplication of articles have been increased in the recent years. Due to the emergence of internet technology the quality and quantity of scientific material is expected to reach everyone today.

The modern technology measures not only the published material but also the evaluation of scientists (H-index) and their role in particular field along with the ranking of field experts and their expertise. These measures and analysis not only determines the impact of scientific work but also the upcoming researchers to choose particular field experts for their ongoing work to yield authenticated outcomes and validation of research performance.

In statistical hypothesis testing the work of numerous research data mostly reveals the probable observed difference between the samples in terms of probability-value. Findings of difference is not the end of any research but the future research analysis would also be based on the treatment of effect size of interventions between the samples, the statistical 'Effect Size' estimate shows not only the significant difference but also the effect of proposed treatment dose

'Effect size' is generally used in statistical analysis and measure of 'Effect size' provides quality of outcomes of the research<sup>1,2</sup>

**Key Words:** Effect size, Point estimate, Physiotherapy

## INTRODUCTION

Since not only physiotherapy but many discipline of medical sciences involves different methods of treatment interventions, only P-value variability may not serve the purpose of observed/ significant difference to be implemented on patient population but also needs the amount of difference whether it is a large or small 'effect size' of interventions between the treatment variables. But if all the researchers do follow and present the concept of effect size analysis in their work, a great phenomenal change would occur to retrieve the best and result oriented material which would be implacable to the patient population.

Since randomized control trials are the best methods of establishing trial results, the effect size is one among the evaluating criteria for qualitative methodological research for patient result oriented outcomes<sup>3</sup>. Hence, the scientific measure of 'effect size' would bring the citation weightage to scientific merit of the research work done thereby effects and raises the true 'impact factor' of the concern discipline journals.

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