INPLASY PROTOCOL

Corresponding author:
Sun He

verson.upm@gmail.com

Author Affiliation:
Universiti Putra Malaysia.

Support: No founding.

Review Stage at time of this submission: Preliminary searches.

Conflicts of interest: None declared.

The effect of mental fatigue on basketball performance: A meta-analysis

Sun, H[1]; Soh, kG[2]; Cao, SD[3].

Review question / Objective: To evaluate the effect of mental fatigue on basketball performance.
Condition being studied: To evaluate the effect of mental fatigue on basketball performance.
Eligibility criteria: (a) basketball players (b) cognitive tasks induce mental fatigue condition; (c) mentally fatigued group vs. non-mentally fatigued group; (d) basketball performance.
Information sources: Pubmed, Scopus, Ebscohost, Web of Science.

INTRODUCTION

Review question / Objective: To evaluate the effect of mental fatigue on basketball performance.

Condition being studied: A condition of mental fatigue was induced by various cognitive tasks.

METHODS

Participant or population: basketball players.

Intervention: Cognitive tasks used to induce mental fatigue.

Comparator: Mental fatigue vs. low/non mental fatigue.

Study designs to be included: All experimental designs.

Eligibility criteria: (a) basketball players (b) cognitive tasks induce mental fatigue condition; (c) mentally fatigued group vs. non-mentally fatigued group; (d) basketball performance.

Information sources: Pubmed, Scopus, Ebscohost, Web of Science.

Main outcome(s): Accuracy of free throw or 3-point throw; the number of throw; and the number of turnovers.

Quality assessment / Risk of bias analysis: The quality of the methodology used in this study was assessed using the quantitative assessment tool "QuallSyst".

Strategy of data synthesis: All data will be synthesized with mean and SD.

Subgroup analysis: Competitive level; Motivation; Perception of effort.

Sensitivity analysis: Examine the influence of mental fatigue on exercise performance and ratings of perception of effort.

Language: No limitation of the language.

Country(ies) involved: China.

Keywords: mental fatigue; perception of effort; basketball performance; basketball players.

Contributions of each author:
Author 1 - Sun He.
Email: verson.upm@gmail.com
Author 2 - Soh Kim Geok.
Email: kims@upm.edu.my
Author 3 - Cao Shudian.