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From Mind to Body: An Umbrella Review of Pedagogical Models from an Embodied Cognition Perspective

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ADMINISTRATIVE INFORMATION

Support - No financial support.

Review Stage at time of this submission - Data extraction.

Conflicts of interest - None declared.

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Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 09 April 2024 and was last updated on 09 April 2024.

INTRODUCTION

Review question / Objective This paper aims to critically review research on pedagogical models.

Condition being studied Research backgrounds and scopes (RQ1), evidence of pedagogical models (RQ2), educational outcomes (RQ3), implementation requires attention (RQ4), and research gaps (RQ5).

METHODS

Search strategy The databases included Web of Science, SCOPUS, EBSCOhost, PubMed, PsycINFO, and PsycARTICLES. The search utilized terms and operators such as "pedagogical model*".

Participant or population Students in good physical health (boys and girls in primary, middle, high school and college in good health).

Intervention Pedagogical models.

Comparator Not applicable.

Study designs to be included Systematic review.

Eligibility criteria Inclusion Criteria: Full-text articles published and written in English; Studies conducted in the context of physical education; Participants are students. Exclusion criteria: Non-scientific evaluation studies; Review studies not focused on the implementation of teaching models.

Information sources Web of Science, SCOPUS, EBSCOhost (CINAHL Plus with Full Text,

SPORTDiscus with Full Text, and Academic Search Complete), PubMed, PsycINFO, and PsycARTICLES.

Main outcome(s) Resulting in 31 studies of moderate quality or above being included.

Quality assessment / Risk of bias analysis Assessing the Methodological Quality of Systematic Reviews (AMSTAR-2) tool.

Strategy of data synthesis Two researchers independently collected information from each eligible study. A third reviewer verifies the accuracy of the data.

Subgroup analysis Not applicable.

Sensitivity analysis Not applicable.

Language restriction Only English.

Country(ies) involved Malaysia.

Keywords Pedagogical Model; learning outcomes; motor; cognitive; affective; social.

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