

INPLASY

The impact of physical exercise intervention on children with acute lymphoblastic leukemia: a systematic review and meta-analysis

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ADMINISTRATIVE INFORMATION

Support - Southwest university.

Review Stage at time of this submission - Preliminary searches.

Conflicts of interest - None declared.

INPLASY registration number: INPLASY202390100

Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 29 September 2023 and was last updated on 29 September 2023.

INTRODUCTION

Review question / Objective To explore the effects of physical exercise intervention on fatigue, quality of life, physical function and bone mineral density in children with acute lymphoblastic leukemia.

Condition being studied Acute lymphoblastic leukemia is a kind of tumor disease with great harm.

METHODS

Participant or population Child with leukemia.

Intervention Physical exercise intervention.

Comparator Maintain the original treatment plan or other.

Study designs to be included Randomized controlled study.

Eligibility criteria Not yet.

Information sources Pubmed, Web of science, CNKI and so on.

Main outcome(s) Cancer-related fatigue, bone density, quality of life, physical function and so on.

Quality assessment / Risk of bias analysis Cochrane risk bias assessment tool was used for risk assessment and literature quality assessment.

Strategy of data synthesis Synthesize data using Revman software.

Subgroup analysis It is still in the literature search phase and it is not known whether further subgroup analysis will be performed.

Sensitivity analysis At present is still in the literature search stage, has not yet been carried out to this stage.

Country(ies) involved China - Southwest university.

Keywords Leukemia, physical exercise, children.

Contributions of each author

Author 1 - Hengxu Liu.

Author 2 - Jiong Luo.