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Migraine guidelines lack a comprehensive consideration of multiple influencing factors from evidence to recommendations: a methodological survey

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ADMINISTRATIVE INFORMATION

Support - Youth Talent Special Project under the Xingdian Talents Support Program of Yunnan Province..

Review Stage at time of this submission - Preliminary searches.

Conflicts of interest - None declared.

INPLASY registration number: INPLASY202630045

Amendments - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 13 March 2026 and was last updated on 13 March 2026.

INTRODUCTION

Review question / Objective Quality control of guidelines is critical because evidence-based clinical practice guidelines (CPGs) balance evidence generated by the systematic review and other factors influencing the formation of recommendations, which can help clinicians make reasonable, evidence-based decisions in practice.

Condition being studied Migraine is a highly disabling neurological disorder. Insufficient research has been conducted on the factors influencing the development of recommendations in current relevant clinical guidelines. This study systematically searched and analyzed relevant literature to assess the comprehensiveness of factors considered during the formulation of recommendations in migraine clinical guidelines, as well as the correlation between the certainty of evidence and the strength of guideline

recommendations. The findings are intended to provide a reference for future related research and the development of clinical guidelines.

METHODS

Participant or population Migraine clinical practice guidelines.

Intervention Not applicable.

Comparator Not applicable.

Study designs to be included Clinical practice guidelines.

Eligibility criteria All clinical practice guidelines (CPGs) to be incorporated in this study will be required to contain recommendations pertaining to migraine, with each eligible guideline featuring no fewer than one specific suggestion targeted at this disorder.

Information sources We will perform comprehensive searches across six databases—including China National Knowledge Infrastructure (CNKI), VIP Chinese Technical Periodicals Database, Chinese Biomedical Literature Database (CBM), Wanfang Data, Embase, and PubMed—as well as the official platforms of 39 authoritative entities.

Main outcome(s) Not applicable.

Quality assessment / Risk of bias analysis Not applicable.

Strategy of data synthesis Descriptive statistical methods were utilized to compute the absolute counts and proportions of research-related items.

Subgroup analysis Not applicable.

Sensitivity analysis Not applicable.

Country(ies) involved China.

Keywords Clinical practice guidelines; Evidence to recommendation; Discordant recommendation; Inappropriate recommendation.

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