Asking the Right Questions: Effective Computerized Decision Support Systems to Improve the Uptake of Guidelines

**Background**

For several years, clinical practice guideline implementation has been a major objective of healthcare organizations, researchers, and guideline committees. Despite the positive impact, there are significant challenges and limitations in the effective implementation of guidelines. The effectiveness of guideline implementation varies across systems, whereas determinants for success and failure are largely unknown. Therefore, there is a need to identify the key factors that influence the uptake of guidelines and to develop strategies to overcome these challenges.

**Objective**

The objective of this study is to examine the role of computerized decision support systems (CDSSs) in improving the uptake of guidelines. The study will focus on different types of guidelines and healthcare settings, and it will consider the perspectives of different stakeholders, including guideline developers, healthcare providers, and patients.

**Methodology**

A systematic review of the literature will be conducted to identify studies that have evaluated the role of CDSSs in improving the uptake of guidelines. The review will include both quantitative and qualitative studies, and it will be conducted using established criteria for quality assessment.

**Results**

The results will be synthesized and reported in a comprehensive manner, highlighting the benefits and challenges of using CDSSs for guideline implementation. The findings will provide valuable insights for guideline developers and healthcare organizations, helping to identify best practices and strategies for effective guideline implementation.