This systematic review was inconclusive in determining differences between MI versus SI techniques or surgical approach on immediate postoperative functional recovery for patients undergoing total THA.

**Limitations**

- Lack of articles which utilized standardized testing or standardized functional outcomes for the different surgical approaches.
- Only one article evaluated the impact of the anterior surgical approach on functional outcomes.
- Difficulty performing a double-blind randomized research study in the acute care setting.

**Future Research**

- Evaluation of the MI technique in the acute care setting, specifically for the anterior surgical approach.
- Allow for the inclusion of retrospective studies and non-randomized control trial research in the acute care setting as part of the systematic review.

**Clinical Relevance**

THA utilizing muscle sparing approaches, such as minimal incision technique or anterior surgical approach have not been shown to provide immediate postoperative benefits; however, the anterior approach may have clinical benefits of reduced pain. Pain may negatively affect quality of gait during the acute five day postoperative period regardless of technique or approach. Therefore, it appears that in the immediate days following surgery, surgical approach and invasiveness of technique does not impact functional mobility.

**REFERENCES**


