

CADTH Reference List

Presurgical Management for People With Knee Osteoarthritis

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Key Message

Twenty-four primary qualitative studies were identified that explored the perspectives on, expectations of, and experiences with pre-surgical knee osteoarthritis management for people with knee osteoarthritis. No primary qualitative studies that explored perspectives on, expectations of, and experiences specifically with Goodlife with Osteoarthritis Denmark (GLAD) programming were identified.

Research Question

What evidence is available regarding the perspectives on, expectations of, and experiences with pre-surgical knee osteoarthritis management for people with knee osteoarthritis? Of particular interest is evidence regarding Goodlife with Osteoarthritis Denmark (GLAD) programming.

Methods

Literature Search Methods

A limited literature search was conducted by an information specialist on key resources including MEDLINE, CINAHL, and Scopus. The search strategy comprised both controlled vocabulary, such as the National Library of Medicine's MeSH (Medical Subject Headings), and keywords. The main search concepts were knee osteoarthritis and therapy. CADTH-developed search filters were applied to limit retrieval to qualitative studies. A supplemental search was conducted, with the main search concept being GLAD programming. No filters were applied to limit the retrieval by study type. The searches were completed on December 14, 2022, and limited to English-language documents published since January 1, 2018. Internet links were provided, where available.

Selection Criteria

One reviewer screened literature search results (titles and abstracts) and selected publications according to the inclusion criteria presented in [Table 1](#). Full texts of study publications were not reviewed.

Results

Twenty-four primary qualitative studies¹⁻²⁴ were identified that explored the perspectives on, expectations of, and experiences with pre-surgical knee osteoarthritis management for people with knee osteoarthritis. No primary qualitative studies that explored perspectives on, expectations of, and experiences specifically with GLAD programming were identified.

Table 1: Selection Criteria

Criteria	Description
Sample	Adults aged ≥ 18 years with knee osteoarthritis who are not yet eligible for knee arthroplasty
Phenomenon of interest	Pre-surgical knee osteoarthritis management (e.g., GLAD, pharmacotherapy, physiotherapy, lifestyle changes)
Design	Any qualitative design
Evaluation	Perspectives on, expectations of, and experiences with accessing and undergoing pre-surgical knee osteoarthritis management
Research type	Primary qualitative studies

GLAD = Goodlife with Osteoarthritis Denmark.

Additional references of potential interest that did not meet the inclusion criteria are provided in [Appendix 1](#).

References

Primary Qualitative Studies

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10. Leese J, MacDonald G, Backman CL, Townsend A, Nimmon L, Li LC. Experiences of Wearable Technology by Persons with Knee Osteoarthritis Participating in a Physical Activity Counseling Intervention: Qualitative Study Using a Relational Ethics Lens. *JMIR Mhealth Uhealth.* 2021 11 12;9(11):e30332. [PubMed](#)
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12. Uritani D, Ikeda A, Shironoki T, et al. Perceptions, beliefs, and needs of Japanese people with knee osteoarthritis during conservative care: a qualitative study. *BMC Musculoskelet Disord.* 2021;22(1):754. [PubMed](#)
13. Coetzee M, Giljam-Enright M, Morris LD. Rehabilitation needs in individuals with knee OA in rural Western Cape, South Africa: an exploratory qualitative study. *Prim Health Care Res Dev.* 2020;21:e7. [PubMed](#)
14. Kenihan L, McTier L, Phillips NM. Patients' expectations and experiences of stem cell therapy for the treatment of knee osteoarthritis. *Health Expect.* 2020;23(5):1300-1309. [PubMed](#)
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Appendix 1: References of Potential Interest

GLAD Specific Literature

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Davis AM, Kennedy D, Wong R, et al. Cross-cultural adaptation and implementation of Good Life with osteoarthritis in Denmark (GLA:D TM): group education and exercise for hip and knee osteoarthritis is feasible in Canada. *Osteoarthritis Cartilage*. 2018;26(2):211-219. [PubMed](#)

Systematic Reviews

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Fernandes LG, Devan H, Fioratti I, Kamper SJ, Williams CM, Saragiotto BT. At my own pace, space, and place: a systematic review of qualitative studies of enablers and barriers to telehealth interventions for people with chronic pain. *PAIN*. 2022;163(2):e165-e181. [PubMed](#)

Surveys and Mixed-Methods Studies

Wallis JA, Barton CJ, Ackerman IN, et al. A survey of patient and medical professional perspectives on implementing osteoarthritis management programs for hip and knee osteoarthritis. *Musculoskelet Care*. 2022 Sep 13. [PubMed](#)

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Hurley M, Dickson K, Hallett R, et al. Exercise interventions and patient beliefs for people with hip, knee or hip and knee osteoarthritis: a mixed methods review. *Cochrane Database Syst Rev*. 2018;4(4):CD010842. [PubMed](#)