

The 2022 update to the NICE guidance on osteoarthritis (<https://www.nice.org.uk/guidance/ng226>) adds a new emphasis on non-pharmacological management, reserving pharmacological management for short term management and increasing the ability of patients to engage in therapeutic exercise. This graphic shows a summary of the management strategies now recommended, highlighting the changes.

Orange boxes show changes between the new (2022) and previous (2014) NICE guidance



Person with activity-related joint pain

45 years or older

Morning joint-related stiffness:

None or Lasts no longer than 30 minutes

Diagnose osteoarthritis clinically without imaging, unless there are atypical features or features that suggest an alternative or additional diagnosis

Non-pharmacological management

Exercise

Offer therapeutic exercise tailored to patients' needs

Consider combining with an education programme or behaviour change approaches

Consider supervised exercise sessions

Weight management

If living with overweight or obesity:

Support them to choose a weight loss goal

Advise them of the benefits of weight loss

Explain that any weight loss is likely to be beneficial, but that losing 10% is likely to be better than 5%

Manual therapy

Consider manual therapy alongside therapeutic exercise

But only for people with hip or knee osteoarthritis

Devices

Consider walking aids for people with lower limb osteoarthritis

Information and support

Tailor information to patient needs, and provide in an accessible format

Signpost to information on:

The condition

Specific types of exercise

Managing symptoms

Accessing other information and support

Benefits and limitations of treatment

Do not offer

Acupuncture or dry needling

Electrotherapy

Insoles, braces, tape, splints or supports, unless certain scenarios are fulfilled†

Pharmacological management

Pharmacological treatment should be seen as short term therapy to facilitate maximum function and engagement with non-pharmacological treatments

Use the lowest effective dose for the shortest possible time

Review with the person whether to continue treatment

Topical NSAIDs*

Offer for knee osteoarthritis

Consider for osteoarthritis that affects other joints

Oral NSAIDs*

Consider if topical medicines are ineffective or unsuitable, alongside a gastroprotective treatment

Do not offer

No longer considered as a first line treatment



Paracetamol



Weak opioids

Unless:

Used infrequently for short term pain relief

All other treatments are ineffective or unsuitable

Do not offer



Strong opioids



Glucosamine



Intra-articular hyaluronan

Consider

Intra-articular corticosteroid

for short term relief when other pharmacological treatments are ineffective or unsuitable

Referral for joint replacement

Consider referring people with hip, knee, or shoulder osteoarthritis for joint replacement if:

joint symptoms are substantially impacting their quality of life

and

Other management is ineffective or unsuitable

Do not exclude people with osteoarthritis from referral for joint replacement because of:

Age, Sex or gender, Smoking, Comorbidities, Overweight or obesity

* NSAID = non-steroidal anti-inflammatory drug

† See full guidance for further details



Osteoarthritis Diagnosis And Management

Kenneth D. Brandt



Osteoarthritis Diagnosis And Management:

Osteoarthritis Roland W. Moskowitz, 2007 Written by the foremost experts this text is a comprehensive clinical reference on osteoarthritis Chapters review current information on the epidemiology etiopathogenesis and pathology of osteoarthritis the biochemistry and molecular and cell biology of articular cartilage and experimental models of osteoarthritis Major sections focus on clinical presentations roentgenologic and laboratory diagnosis and treatment including pharmacologic treatment intra articular therapy surgery arthroscopy and complementary and alternative medicine The authors discuss the indications outcomes and complications of various orthopaedic procedures Chapters present orthopaedic approaches to osteoarthritis of various joints the shoulder hand wrist elbow hip knee foot ankle and cervical thoracic and lumbar spine

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Nonsurgical Management of Osteoarthritis Kenneth D. Brandt, 2010 Osteoarthritis Roland W. Moskowitz, Roy D. Altman, Joseph A. Buckwalter, Victor M Goldberg, Professor of Medicine and Epidemiology and Preventive Medicine and Head of the Division of Rheumatology and Clinical Immunology Marc C Hochberg, 2015-04-24 Written by the foremost experts this text is a comprehensive clinical reference on osteoarthritis Chapters review current information on the epidemiology etiopathogenesis and pathology of osteoarthritis the biochemistry and molecular and cell biology of articular cartilage and experimental models of osteoarthritis Major sections focus on clinical presentations roentgenologic and laboratory diagnosis and treatment including pharmacologic treatment intra articular therapy surgery arthroscopy and complementary and alternative medicine The authors discuss the indications outcomes and complications of various orthopaedic procedures Chapters present orthopaedic approaches to osteoarthritis of various joints the shoulder hand wrist elbow hip knee foot ankle and cervical thoracic and lumbar spine Healing Arthritis the Natural Way Luke Bucci, 1997 *Diagnosis and Management of Osteoarthritis of the Hip and Knee* British Society for Rheumatology, Royal College of Physicians of London. Research Unit, 1993 **Textbook of Medical-surgical Nursing**, 1988 **Bulletin on the Rheumatic Diseases**, 1986

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