

Physical inactivity and sedentary behavior lead to systemic dysfunction and the aggravation of symptoms. These symptoms predispose the patient to a more sedentary lifestyle. This has many negative consequences, in term of quality of life, due to an increased risk of depression, deconditioning with effort, metabolic disturbances. Altogether, there is a vicious cycle of OA, leading to physical inactivity, and sedentary lifestyle, increasing OA symptoms.

Applies to All

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In conclusion, it is, therefore, essential that recommendations for the management of OA take into account this aspect of personalized treatment, as each patient is different. They must take particular account of the patient's own history and comorbidities. The most recent OARSI recommendations have tried to take this into account. Without going into the details of this busy slide, you can see on the right the algorithm to be followed, according to the response to treatment at each stage.

This algorithm is initially based on an initial assessment to identify the location of OA, the comorbidities, the intensity of the different symptoms, and emotional and environmental status. Therapeutic choices are made based on different levels, called Level 1A, 1B, or 2.

2019 OARSI Recommendations for the Management of Knee OA

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You see here the definitions of these levels, which are adapted according to the presence of different comorbidities, such as gastrointestinal comorbidities, cardiovascular comorbidities, the existence of a frailty or depressive background, or subject to widespread pain. These recommendations are of course more complicated to synthesize than other simple ones. But they have the advantage of being closer to a personalized medicine, therefore more useful for the doctor in his or her daily practice.

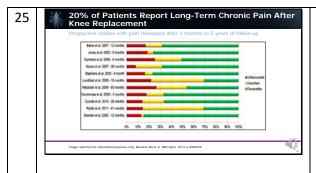
Only One-Third of Patients With OA Report High Satisfaction With Treatmenta

Based on data from the National Health and Wellness Survey conducted in Germany, Spain, France, Italy, and the United Kingdom

Satisfaction level was similar across all classes of analgesics^b surveyed.

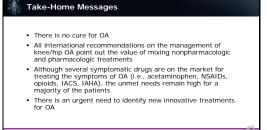
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I would like to conclude by saying that, despite everything, neither doctors nor patients are satisfied with the treatments used in osteoarthritis, as shown here by this survey, carried out in several European countries. In the end, only one-third of patients are really satisfied, which is very low.



Unfortunately, total knee replacement is not a panacea. You have here an analysis of several prospective studies in patients who have undergone total knee prosthesis surgery. It shows that the proportion of people with an unfavorable long-term pain outcome, ranged from about 10 percent to 34 percent after knee replacement. In the best quality studies, an unfavorable pain outcome was reported in about 20 percent of patients after knee replacement. And we do not know yet the determinants of good and bad outcome.

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So here are my take-home messages. There is no cure for osteoarthritis. All international recommendations on the management of knee or hip OA, point out the value of mixing non-pharmacologic and pharmacologic treatments. Although there are several symptomatic drugs are on the market for treating the symptoms of OA, like acetaminophen, NSAIDs, opioid,

intraarticular corticosteroid, or intraarticular hyaluronic acid, the unmet needs remain high for majority of the patients.

So there is an urgent need to identify new innovative treatments for OA.

Thank you for your attention.