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Omega-3 Fatty Acids: A novel approach for pain treatment

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The treatment of acute and chronic severe pain remains an important common challenge faced by clinicians working with the general population, and even after applying recent advances in the treatment of acute and chronic severe pain, there can continue to be manifestations of adverse effects. Chronic pain affects many aspects in the life of the patient, and often has an impact on their families. In some cases, after an acute pain, the patient continues to experience chronic pain, which can be a result of illnesses such as cancer. As there is growing evidence that omega-3 fatty acids can contribute to the reduction of pain, this presentation will describe an innovative technological development, both in its

pharmaceutical composition (using omega-3 fatty acids with either morphine or methadone) and in the pharmacological treatments associated with its use. In addition, the preclinical evidence concerning the analgesic effects of omega-3 fatty acids (eicosapentaenoic acid and docosahexaenoic acid) will also be explored.

The main advantage of new pharmacological treatments using these pharmaceutical compositions lies in the improved pain control obtained with a sub-therapeutic dose of these opioids, which can lead to the elimination or at least potential reduction of the adverse effects.

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