a combination of e.g. animations, videos with personal patient stories, podcasts, written text, spoken words and interactive quizzes.

Conclusion: The e-learning program is developed and ready for feasibility testing. Subsequently, the effectiveness of the program will be tested in a RCT study among approximately 250 patients.

References:

Disclosure of Interests: None declared

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EFICACY OF ADDING CAFFEINE TO THE TREATMENT REGIMEN IN REDUCING METHOTREXATE INTOLERANCE IN PATIENTS WITH RHEUMATOID ARTHRITIS: A RANDOMIZED CONTROLLED STUDY

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Background: Rheumatoid arthritis is one of common form of chronic inflammatory arthritis. Methotrexate has remained anchor treatment because of its potent efficacy. Intolerance to Methotrexate is a common cause of non-compliance.

Objectives: To investigate the effect of adding caffeine orally as Methylxanthines (Caffeine), act as adenosine receptor antagonists to reduce symptoms of moderate to severe methotrexate intolerance in patients with Rheumatoid Arthritis.

Methods: A prospective, randomized controlled study conducted at Aswan University Hospital, Egypt from Jan 2018 till May 2019. Sixty patients with Rheumatoid arthritis who have had experienced moderate to severe methotrexate intolerance was enrolled in the study. The methotrexate intolerance severity score (MISSES) was evaluated at base line before initiation of study then at the next three months consecutively. Patients were randomly assigned by closed envelope method into 2 groups each containing 30 patients: Group (A): 30 patients was prescribed caffeine (coffee or dark chocolate) as an antidote to methotrexate intolerance. Group (B): 30 matched patients acted as control group that included who will continue methotrexate regimen without addition of any extra caffeine.

Results: Twenty four patients (80%) at time three follow up visit showed full improvement of symptoms of methotrexate-intolerance compared to ten patients (33.3%) at 2nd month follow up visit and seven patients (23%) at 1st month follow up visit with statistically significant difference all over the study period (P=0.005). half of study group patients discontinued anti-emetic and other drugs while none in control group did.

Conclusion: Adding caffeine to management regimen can reduce the symptoms of severe methotrexate-intolerance in Rheumatoid Arthritis patients.

References:

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EFFECTS OF INSTRUMENT-ASSISTED SOFT TISSUE MOBILIZATION ON FROZEN SHOULDER: A RANDOMIZED CONTROLLED TRIAL

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Background: Frozen shoulder has a greater incidence, more severe course, and resistance to treatment in patients. Management is based on the underlying cause of pain and stiffness. Joint mobilization has been reported to improve joint range of motion in frozen shoulder. However, there is no information regarding the effect of instrument-assisted soft tissue mobilization (IASTM) in frozen shoulder.

Methods: Thirty patients with phase II frozen shoulder (mean age 50.9 years, age range 39–65 years) were randomly assigned to one of two treatment groups: Group I received joint mobilization combined with manual stretching exercise and Group II received IASTM with manual stretching exercise (two days per week for six weeks) (Figure 1). The pain level was evaluated with a visual analogue scale (VAS) and the active range of motion (ROM) was measured with a universal goniometer. The Disabilities of the Arm, Shoulder and Hand score and the Constant-Murley score were used for functional assessment. The assessments were performed at baseline and after the 6-week intervention.

Results: Both groups had a significant decrease in pain according to VAS and a significant increase in ROM and function level (p<0.05). After the 6-week intervention, improvement of shoulder abduction ROM in Group I was found significantly higher than Group II (p=0.01), on the other hand, Constant-Murley score in Group II was found significantly higher compared to Group I (p=0.001).

Conclusion: Our results supported the hypothesis that either joint mobilization or IASTM, performed in addition to stretching exercise, provided similar improvements in pain levels in patients with the frozen shoulder.

References:

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