

Comparison of the Effectiveness of Dapoxetine, Paroxetine, Combination therapy of Dapoxetine/Tadalafil and Combination therapy of Paroxetine/Tadalafil in treatment of patients with premature ejaculation

Abstract

Background and objective : Premature ejaculation is one of the most common sexual disorders in men, even healthy people . Premature ejaculation occurs when a man ejaculates sooner and without control during sexual intercourse .The use of SSRIs and combination therapies are currently the treatments of premature ejaculation. The purpose of this study was to compare effectiveness of Dapoxetine, Paroxetine, combination therapy of Dapoxetine/Tadalafil and combination therapy of Paroxetine/Tadalafil in treatment of patients with premature ejaculation.

Methods: In this clinical trial study, 120 patients with premature ejaculation were randomly divided into 4 groups: First group Paroxetine (Pa), second group Dapoxetine(Da), Third group Paroxetine with Tadalafil(PT), Fourth group Dapoxetine with Tadalafil(DT) for one month and in the next 2 weeks and 4 weeks the cases were evaluated for duration of ejaculation, frequency of intercourse per week and drug side effects.

Results: The mean age in the Da group was 32 ± 6.9 years, the Pa group was 32.4 ± 7.2 years, the PT group was 31.6 ± 1.9 years, and the DT group was 32.9 ± 7.7 years. There was a significant difference between the Da and DT groups ($p = 0.029$) in the ejaculation duration at 4 weeks. Also in the two weeks follow up, there were significant differences between Da and DT ($p = 0.043$), Pa and PT ($p = 0.006$) and Pa and DT groups ($p = 0.004$). Four weeks after intervention, the frequency of intercourse between Da and PT groups ($p = 0.033$), Pa and PT groups ($p = 0.043$), Pa and DT groups ($p = 0.02$) and Da and DT($p= 0.016$) had a significant difference.

Conclusion :In the present study, combination therapy of dapoxetine/tadalafil and paroxetine/tadalafil were more effective in increasing IELT in patients with premature ejaculation. also these treatments had more side effects than dapoxetine and paroxetine monotherapy.

Keywords: premature ejaculation, paroxetine, sildenafil, dapoxetine