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# Efficacy of bee venom phonphoresis in treatment of chronic pelvic inflammatory diseases

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**Abstract : Background:** Pelvic inflammatory disease (PID) is an infectious and inflammatory disorder of the upper female genital tract affects more than one million women each year. Women with PID are more likely to have infertility and chronic pelvic pain. Purpose of the study: This study investigated the effect of bee venom phonophoresis in treating women having chronic pelvic inflammatory disease .**Methodology**: A clinical controlled trial on thirty women diagnosed as PID from Out Patient Clinic of Gynecology Department, SidiSalm Hospital, between March 2015 and April 2016 participated in this study. They were equally divided into two groups, group (A) treated by Doxycycline100 mg/day and group (B) treated by bee venom phonophoresis (Bee venom concentration 20microgarm / one gram gel) on suprapubic region for 20 minutes, 3 times per week for 12 sessions, in addition to medical drug given in group (A). Assessment of patients in both groups (A&B) was carried out before and after 12 sessions of the treatment through blood samples to measure the level of C - reactive protein (CRP) and present pain intensity (PPi) scale for assessment of pain. **Results:** Showed a statistically significant reduction P<0.0001 in inflammation assessed by CRP in both groups post treatment when compared with pre treatment with high percentage of improvement, in group B was 82.39%. Also, there was noticeable reduction in pain assessed by PPi scale in both group post treatment favoring group B as 26.7% of females in group B were completely free from pain. **Conclusion:** Bee venom phonophoresis can be considering an additive method in improving curing of pelvic inflammatory disease.

**Keywords**: Pelvic inflammatory disease, Ultrasound phonophoresis, Bee venom.



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