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EFFECT OF RISK FACTORS ON TREATMENT RESPONSE WITH SILDENAFIL CITRATE FOR MANAGEMENT OF ERECTILE DYSFUNCTION (ED)
Rupesh Raina, M.D.1, 2, Kalyana C. Nandipati.2, Vivek Subbiah, M.D.1, David C Kaelber M.D., Ph.D.1, Tayub Mohyuddin. M.D.1, Ashok Agarwal, Ph.D. 2, Milton M. Lakin, M.D.2, M.D.2, Craig D. Zippe, M.D.2, David Mansour, M.D.1 and Holly B. Perzy M.D 1.
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Background: Systemic diseases like hypertension (HTN), diabetes (DM) and hyperlipidemias are important risk factors for erectile dysfunction in normal population. ED is a common complication after RP for prostate malignancy. Although viagra (sildenafil) seems to be effective, but certain subset of patients not respond to viagra. In this study we evaluated the effect of systemic diseases and risk factors in the efficacy of viagra.
Study Design: Our study is retrospective in design, which consists of total 64 patients. Thirty-two patients who responded to oral sildenafil even after 3-years of treatment and 32 non-responders were included. Minimums of four sexual attempts are essential before labeling them as non-responders. Chart review was done in all patients. Factors reviewed are HTN, DM, hyperlipidemia, smoking and alcohol.
Results: In this retrospective chart review study, we included total 64 patients. Out of which 32 are Viagra responders (group 1) and another 32 are Viagra non-responders (group 2). Out of 64 patients 11(non-responders vs. responders, 8/3) were diabetic, 19 suffering from hypertension (14 vs. 5), 9 suffering from hyperlipidemias (5 vs. 4), 10 were smokers (6 vs. 4) and 7 were alcoholics (4 vs. 3). Nineteen patients in group 1 and 8 patient's in-group 2 don't have any of the risk factors (p<0.05). Among the all risk factors hypertension was found to have significant difference in between the both groups (p<0.05). Ten patients in non-responders group and 6 patients with in the responders group are found to have more than one risk factor. There was no significant difference was found with the other risk factors in between the two groups.
Conclusion.: Hypertension found to be the most important risk factor among other co-morbid factor's (DM, Hyperlipidemia, smoking and alcohol) to be associated with unresponsiveness to oral sildenafil.

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