FACTORS PREDICATING SUCCESSFUL OUTCOME OF SILDENAFIL CITRATE FOLLOWING RADICAL PROSTATECTOMY

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To assess the efficacy and factors associated with the successful outcome of sildenafil citrate. One hundred seventy four patients underwent Radical Prostatectomy (RP), sought treatment for erectile dysfunction (ED), and were prescribed sildenafil citrate. Erectile function was assessed by using the Sexual Health Inventory for Men (SHIM) at baseline and 1 yr following sildenafil citrate use. The mean age of the 174 patients was 60.1 ± 6.25 years. One hundred patients (57%) responded to the drug: 79/104 (76%) in the bilateral Nerve-Spearing (NS) group, 15/28 (53.5%) in the unilateral NS group, and 6/42 (14.2%) in the non-NS group. In a multivariate analysis four factors were significantly associated with a successful outcome: the presence of at least one neurovascular bundle, pre-operative SHIM score of 16, age of 65 years, and an interval from RP to drug use >6 months (P<0.001). These four factors were associated with a successful outcome from use of sildenafil citrate following radical prostatectomy.