

**COMPARISON OF THE EFFICACY OF SILDENAFIL CITRATE
TADALAFIL AND VARDENAFIL FOR THE TREATMENT OF
ERECTILE DYSFUNCTION (ED) AFTER RADICAL
PROSTATECTOMY (RP)**

R Raina*, KC Nandipati, A Agarwal and CD Zippe, The
Cleveland Clinic Foundation, Cleveland, OH

In this prospective study, 23 men with ED after nerve –sparing (NS) RP who had responded to 100mg of sildenafil were given 20 mg tadalafil for 5 weeks, then 20 mg vardenafil for 5 weeks. After 5 weeks of each phosphodiesterase 5 (PDE5) inhibitor, patients had a 1-week washout period without a PDE5 inhibitor. 20/23 patients completed 20 mg of tadalafil for 5 weeks and 13 patients completed 20 mg of vardenafil for 5 weeks, an additional 10 patients completed both 20-mg of tadalafil for 5 weeks and 20 mg of vardenafil for 5 weeks. After 5 weeks of each PDE5 inhibitor, each patient completed a SHIM questionnaire, a rigidity score, and a side effects profile measuring frequency, duration, and severity of side effects. Of the 23 patients, 20/23 (87%) patients completed 20 mg of tadalafil for 5 weeks, 3/23 (13%) patients discontinued use of tadalafil due to side effects with a mean SHIM score for tadalafil of 18.7 [vs. sildenafil (n = 20) 19.85]. In comparing individual SHIM scores 6/20 had greater sildenafil SHIM scores, 2/20 had greater tadalafil SHIM scores, and 12/20 had equal SHIM scores. Of the 23 patients, 13/23 (57%) patients completed 20mg of vardenafil for 5 weeks, 0/13 discontinued use because of side effects, with a mean SHIM score for vardenafil of 19.53 [vs. sildenafil (n = 13) 19.85]. In comparing individual SHIM scores 2/13 had greater sildenafil SHIM scores, 2/12 had greater vardenafil scores, and 9/12 had equal SHIM scores. Ten patients completed both 20mg of tadalafil for 5 weeks and 20mg of vardenafil for 5 weeks, with mean SHIM scores for tadalafil of 18.2 and vardenafil of 19.9 [verse sildenafil (n = 10) 20.3]. Based on SHIM scores, sildenafil, tadalafil, and vardenafil, are an equally efficacious treatment in patients with ED following NS RP.