The IIEF (International Index of Erectile Function) questionnaire was used to assess 98 patients (mean age 60.9 yr.) using IC (intracorporeal) injections after radical prostatectomy (RP). The responses to IIEF questions 3 (frequency of penetration), 4 (maintenance of erection) and 7 (sexual satisfaction) were scored from 0 to 5 (0 = no intercourse, 1 = never and 5 = always). The efficacy score (ES) was calculated by totaling the responses to all three questions (0 = no intercourse, 1-5 = poor, 6-10 = moderate, 11-15 = good). The mean preoperative values for questions 3, 4, 7, and ES were 4.78, 4.84, 4.79, and 14.41 respectively and after RP decreased to 1.45, 1.30, 1.44 and an ES of 4.2. With IC injections, the mean scores increased to 3.91, 3.8, 3.61, and 11.13. Overall, the ES was good (11-15) in 68% of the patients. No differences were observed between the nerve sparing (NS) (n = 59) and non-NS groups (n = 39) or between the type of medications used for therapy. Fifty-one patients (52%) discontinued treatment due to insufficient erections, preference for oral therapy, or multiple reasons. The efficacy of IC injections makes it a salvage option in patients failing oral therapy and undergoing non NS surgery.