

## عنوان مقاله:

The role of regenerative medicine: A Case series of successful improvement sexual dysfunction after pelvic irradiation

## محل انتشار:

هجدهمین دوره کنگره انجمن مدیکال آنکولوژی و هماتولوژی (سال: 1398)

تعداد صفحات اصل مقاله: 1

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## خلاصه مقاله:

Sexual dysfunction (SDF) is a common sequel to cancer treatment which affects the quality of life in women treated with pelvic radiotherapy. The aim of this study was to evaluate the safety, symptom resolution and objective improvement the injection of autologous platelet released growth factor (APRFG) for treatment of SDF in cited patients. This prospective case series study enrolled 10 cancer-free patients with SDF who underwent pelvic radiotherapy at least 5 years ago. Each patient was received 1-2 cc APRFG within four weeks and all patients were re-evaluated at eight weeks and six months. CD34 immuno histochemistry and Masson s trichrome staining were performed on vaginal biopsy section for angiogenesis and fibrosis assay respectively. Sexual satisfaction after the injection of APRFG was clinically difference and the entire patient had sexual satisfaction. In the patient s follow-up, none of them need to repeat the treatment. Our results declared that APRFG injection was effective and symptoms were disappeared in the entire patients. Significant objective improvements in vaginal diameter (mean before injection, 6.5 cm vs 7.1 cm after injection) ( $p$ -value = 0.001) and also vaginal flexibility (mean before treatment, 0.72 cm vs 1.85 cm after injection) ( $P$ -value = 0.026) were observed. Characteristics of discharge before the injection in 60% of patients were included dry vagina and 40% had mild discharge but after injection 40% of patients had moderate and also 60% had mild and sufficient discharge ( $P$ -value= 0.190). Overall, our patients reported better sexual function and showed better vaginal function indexes, after APRFG injection

## کلمات کلیدی:

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/983195>

