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Abstract

Purpose: This prospective cohort study aimed to evaluate the changes in imaging findings and the biomarkers CA125 and CA19-9 in Deep Infiltrating Endometriosis (DIE) patients who underwent Dienogest (DNG) treatment.

Methods: All participants received consistent oral Verogest 2 mg daily for six months. Endometriosis infiltration depth as well as CA125 and CA19-9 serum levels were assessed at the baseline and six months after DNG treatment.

Results: The study included 87 DIE patients, with a mean age 37.6 (6.4) years and a median duration of endometriosis of 4.0 years (interquartile range (IQR): 2.0-8.0). The median size of endometriosis lesions significantly decreased from 7.0 cm (IQR: 4.0-14.0 cm) at baseline to 4.0 cm (IQR: 2.0-9.5 cm) after six months of DNG treatment (P. value < 0.001); the median decrease in lesion size was -34.6% (-55.8%, -16.7%). CA125 levels significantly decreased from a median of 80.0 (IQR: 46.3-101.0) to 40.0 (30.0-73.0), and CA19-9 levels decreased from 68.0 (45.0-96.2) to 34.0 (28.0-56.0) (both P. values <0.001). The treatment was well tolerated, with no clinically significant adverse effects reported among the patients.

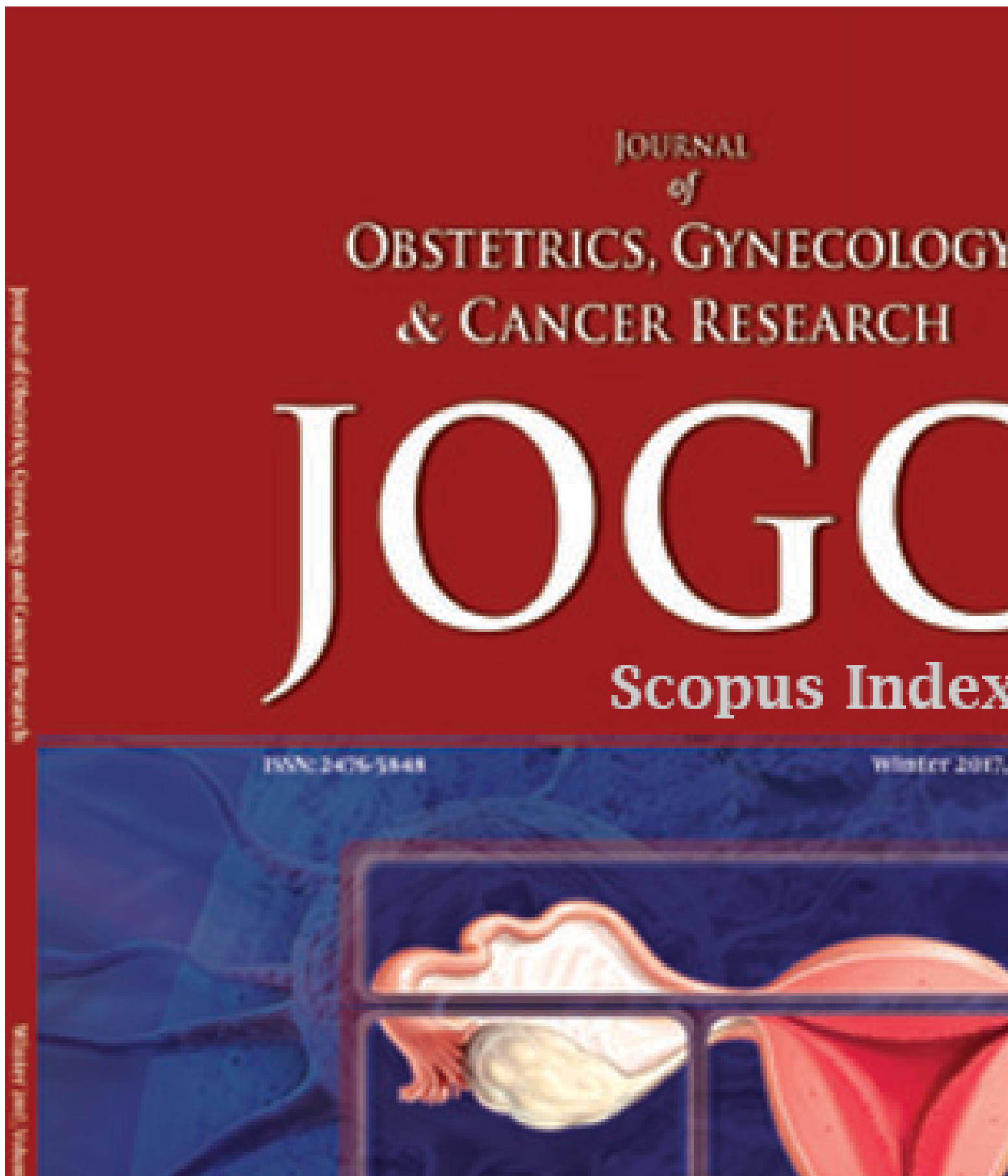
Conclusion: These findings suggest that DNG may be an effective therapeutic option for the management of DIE, leading to improvements in both imaging characteristics and relevant biomarkers.

Keywords

- Keywords: Deep infiltrating endometriosis
- Dienogest
- CA125
- CA19-9
- endometriosis lesion size

Main Subjects

- General Gynecology and Pelvic Floor





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