Objective: The aim of this study was to investigate the influence of Behçet's disease (BD) on sexual functioning in female BD patients and the relationship of sexual functions with quality of life (QoL) and depression. Methods: Thirty-three women with BD and 37 healthy women were included in the study. Sociodemographic data form, The Female Sexual Function Index (FSFI), Beck Depression Inventory (BDI) and QoL Instrument for dermatologic diseases were applied in both groups. Results: The mean age of patients was 37.30±8.44 (20-47) years and the mean age of controls was 37.54±7.62 (22-48) years and there was no significant difference between the two groups. The rate of sexual dysfunction rate was significantly higher in patients group (81.8%) than in controls (45.9%) (p=0.002). The mean FSFI total score and subscale scores (sexual desire, arousal, lubrication) were significantly lower in BD group than those in healthy controls. There was a significant negative correlation between BDI scores with female sexual functions and dermatological QoL in BD patients. Conclusions: In this study, it was concluded that sexual dysfunction was more frequent among female BD patients than that in healthy controls. Also we suggest that the presence of depression in female BD patients had negative effect on QoL and sexual functions.