

## عنوان مقاله:

Prevalence of Von Willebrand Disease in Women of Reproductive Age With Heavy Menstrual Bleeding in Kashan, Iran, During ۲۰۱۹

## محل انتشار:

مجله بین المللی تحقیقات اپیدمیولوژیک، دوره 7، شماره 4 (سال: 1399)

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## خلاصه مقاله:

Background and aims: Von Willebrand disease (VWD) is an inherited disorder of blood clotting in humans. The prevalence of VWD is different among various populations. The prevalence of this disorder in women with menorrhagia is less reported in Asia and Iran. The present study aimed to determine the prevalence of VWD in women of reproductive age with heavy menstrual bleeding (HMB). Materials and Methods: A total of ۱۶۰ women in the reproductive age group (۱۵-۴۵ years) with HMB who referred to the hematology clinic of Kashan Shahid Beheshti hospital during ۲۰۱۹ participated in this cross-sectional study. Demographic characteristics, clinical testing, and physician-reported problems of each participate including age, menstrual cycle length, uterine myoma, and polyp were collected using a questionnaire, sonography, and physical examination of women by a physician. The laboratory tests included hemoglobin (Hb), ferritin, iron, and total iron-binding capacity (TIBC). Results: Fifteen patients (۹.۳%) with severe menstrual bleeding had VWD with a mean age of  $۳۴.۶ \pm ۶.۸۵$  years. The frequency of the uterine fibroid (myoma) in women with VWD was significantly higher than that in patients without VWD ( $p = ۰.۰۳$ ). The mean ferritin level among ۱۵ women with VWD and ۱۴۵ women without VWD was  $۲۳ \pm ۴.۲۸$  ug/dL and  $۳۰.۶۸ \pm ۴.۴۶$  ug/dL, respectively ( $p = ۰.۰۰۱$ ). The mean serum iron in total participants was  $۳۵.۳ \pm ۱۱.۴۸$  ug/dL and VWD patients had a lower iron level compared to those without VWD ( $p = ۰.۰۰۱$ ). There was not a significant difference in TIBC level between women with and without VWD ( $p = ۰.۰۶$ ). Conclusion: Based on the results, ۹.۳% of women of reproductive age with HMB in Kashan, Iran, had VWD, which is lower compared to other regions of Asia

**کلمات کلیدی:**

Prevalence, Menorrhagia, Von Willebrand Disease

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