

عنوان مقاله:

The effect of vitamin E and aspirin on the uterine artery blood flow in women with recurrent abortion: A single-blind randomized controlled trial

محل انتشار:

مجله طب تولید مثل ایران، دوره 15، شماره 10 (سال: 1396)

تعداد صفحات اصل مقاله: 6

نویسندگان:

Elaheh Mesdaghinia - *M.D., Department of Obstetrics and Gynecology, Kashan University of Medical Sciences, Kashan, Iran*

Behnaz Mohammad-Ebrahimi - *M.D. Department of Obstetrics and Gynecology, Kashan University of Medical Sciences, Kashan, Iran*

Fatemeh Foroozanfard - *M.D. Department of Obstetrics and Gynecology, Kashan University of Medical Sciences, Kashan, Iran*

Hamid Reza Banafshe - *Ph.D. Physiology Research Center, Kashan University of Medical Sciences, Kashan, Iran.. Department of Pharmacology, School of Medicine, Kashan University of Medical Sciences, Kashan, Iran*

خلاصه مقاله:

Background: Recurrent spontaneous abortion has high incidence rate. The etiology is unknown in 30-40%. However high uterine artery resistance is accounted as one of the recurrent abortion reasons. Objective: The objective of the current study was to determine the impacts of vitamin E and aspirin on the uterine artery blood flow in women having recurrent abortions due to impaired uterine blood flow. Materials and Methods: This randomized clinical trial was conducted on 99 women having uterine pulsatility index (PI) more than 2.5 and the history of more than two times abortions. The candidates were categorized into three groups; receiving aspirin, only vitamin E, and aspirin+vitamin E. After 2 months, uterine PIs were compared with each other. Results: All drug regimens caused an enhancement in uterine perfusion with a significant decline in uterine artery PI value. The women receiving vitamin E in accompanied with aspirin had the least mean PI of the uterine artery ($p < 0.001$). The total average PI score of the right and left uterine arteries in groups receiving vitamin E in accompanied with aspirin was lower than the two counterparts significantly ($p < 0.001$). Conclusion: Vitamin E, aspirin and especially their combination are effective in improving uterine artery blood flow in women with recurrent abortion due to impaired uterine blood flow. More well-designed studies are needed to find out whether the enhancement of uterine perfusion may lead to a better pregnancy outcome.

کلمات کلیدی:

Recurrent abortion, Aspirin, Vitamin E, Pulsatility index

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/719734>



