

Intrauterine Bakri balloon for management of postpartum hemorrhage using multicenter data

Huili Zhang

Third Affiliated Hospital of Guangzhou Medical University, China

Abstract

Objective: To evaluate the effect of intrauterine Bakri balloon for the management of postpartum hemorrhage (PPH).

Methods: This prospective cohort study included all women with postpartum bleeding who underwent intrauterine Bakri balloon from November 2018 to September 2019 in 31 tertiary public hospitals in China. Women were divided in four groups according to the blood loss before using the intrauterine Bakri balloon. Maternal characteristics, laboratory indices, medical/surgical interventions and maternal outcomes were recorded.

Results: Overall, 732 women treated by Bakri balloon to control bleeding and 720 women were enrolled (180 after vaginal delivery and 540 during or after cesarean delivery). The success rate was 97.6% (17/720). The group with a hemorrhage ≥ 1000 mL before using Bakri balloon had significantly more blood loss after balloon insertion (562.74 ± 628.565 ml) compared with other three groups (230.38 ± 206.856 ml, 328.92 ± 347.429 ml and 487.93 ± 554.007 ml) ($P < 0.05$). The maternal hemoglobin (97.11 ± 21.13 g/L) was lower than that in the group with hemorrhage ≤ 400 ml (110.83 ± 14.98 g/L), 401-800 ml group (111.26 ± 15.21 g/L), 800 - 1000 ml group (108.99 ± 21.09 g/L).

Conclusion: The early usage of the Bakri balloon is more effective for the management of PPH.

Biography:

Huili Zhang got her Ph.D. degree from Guangzhou medical university, during this time she worked on the newborn lung disease at MGH for two years. After graduation, she is working as a grade two resident in obstetrics and gynecology at the Third Affiliated Hospital of Guangzhou Medical University. As a resident, she has trained how to treat women during prenatal and postnatal periods, deliver infant, perform cesarean section or other surgical procedure as needed to preserve patients' health deliver infant safely. In addition, she has no difficulty communicating in English with her foreign friends as her teachers come from Canada, America and the UK. She is also skilled in reading documents relating to clinical and scientific research. In her free time, she enjoys playing basketball, jogging and cycling by the park

[7th Asia Pacific Gynecology and Obstetrics Congress;](#)
June 11-12, 2020.

Abstract Citation:

Huili Zhang, Intrauterine Bakri balloon for management of postpartum hemorrhage using multicenter data, Gynecology Congress 2020, 7th Asia Pacific Gynecology and Obstetrics Congress; June 11-12, 2020