

Simultaneous abdominal aorta balloon occlusion without radiation exposure during caesarean section in placenta percreta patients: an effective easy-to-implement procedure for hemorrhage control.

Guang Xin Yang¹, Jing Yuan LUAN¹, Yan WANG¹, and Yang Yu ZHAO¹

¹Peking University Third Hospital

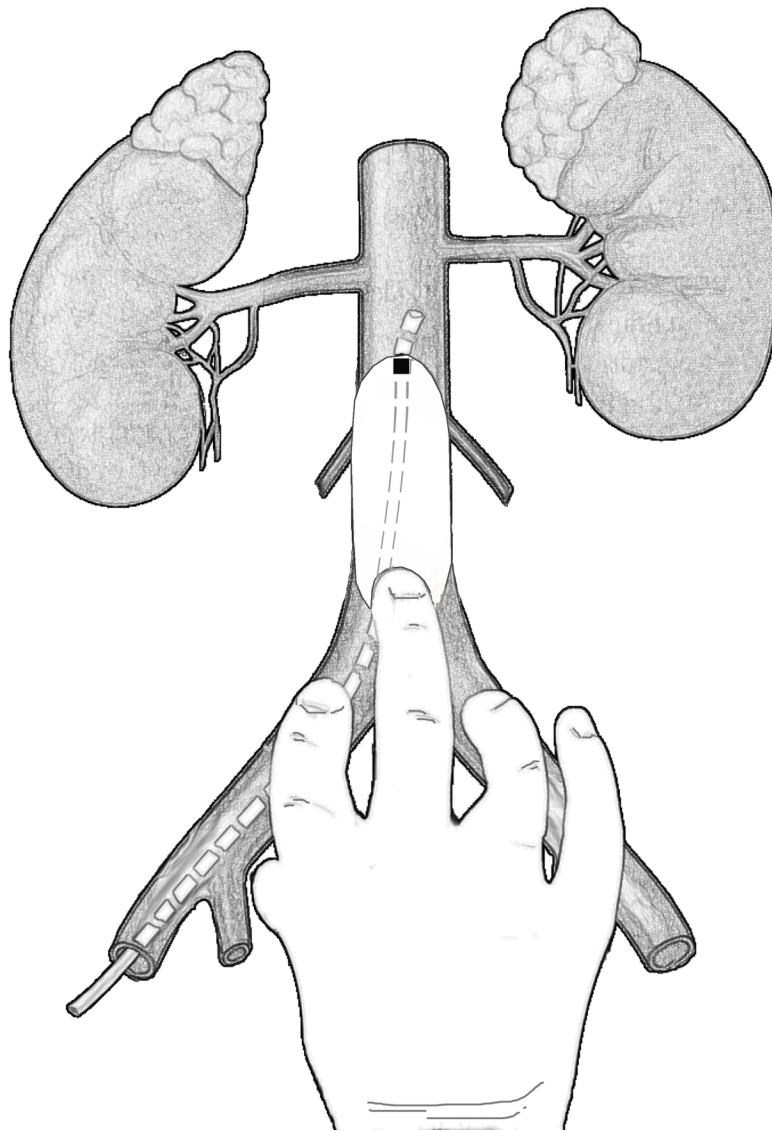
May 5, 2020

Abstract

Abstract Objective: To research the safety and effect of the simultaneous abdominal aorta balloon occlusion without radiation exposure during caesarean section in placenta percreta patients. **Design:** A retrospective case study. **Setting:** A class A tertiary comprehensive hospital in Beijing of China. **Population or Sample:** 28 pregnant women from September 1st, 2015, to January 31st, 2019 **Methods:** The medical records of 28 patients with placenta percreta, who undertook the simultaneous abdominal aortic balloon occlusion without radiation exposure during caesarean section, were retrospective studied. **Main Outcome Measures:** The intra-operative blood loss, transfusion requirements, hysterectomy rate, the duration of operation, length of Intensive Care Unit time and postoperative hospital stay. **Results:** The technical success rate was 100%. The amount of blood loss was 600 - 6500 (3094 ± 1502) ml. The duration of operation was 123 - 488 (285 ± 102) min. The mean Intensive Care Unit time and postoperative hospital stay were 2.0 (1.0 - 2.8) days and 7.0 (7.0 - 9.0) days respectively. Hysterectomy was carried out in 12 (42.9%) cases. No maternal and neonatal deaths. The complication included 7 cases of local thrombosis of right femoral artery. Thrombectomy was successfully performed through the femoral artery incision on the operating table simultaneously. There was no other complication. **Conclusions:** The simultaneous abdominal aorta balloon occlusion without radiation exposure during caesarean section in placenta percreta patients is a safe and effective procedure for hemorrhage control. It is an easy-to-implement procedure by a well-trained surgeon which performed in the general operation room.

Hosted file

Manuscript.docx available at <https://authorea.com/users/300784/articles/430621-simultaneous-abdominal-aorta-balloon-occlusion-without-radiation-exposure-during-caesarean-section-in-placenta-percreta-patients-an-effective-easy-to-implement-procedure-for-hemorrhage-control>



Hosted file

Table1.docx available at <https://authorea.com/users/300784/articles/430621-simultaneous-abdominal-aorta-balloon-occlusion-without-radiation-exposure-during-caesarean-section-in-placenta-percreta-patients-an-effective-easy-to-implement-procedure-for-hemorrhage-control>

Hosted file

Table2.docx available at <https://authorea.com/users/300784/articles/430621-simultaneous-abdominal-aorta-balloon-occlusion-without-radiation-exposure-during-caesarean-section-in-placenta-percreta-patients-an-effective-easy-to-implement-procedure-for-hemorrhage-control>

Hosted file

Table3.docx available at <https://authorea.com/users/300784/articles/430621-simultaneous-abdominal-aorta-balloon-occlusion-without-radiation-exposure-during-caesarean-section-in-placenta-percreta-patients-an-effective-easy-to-implement-procedure-for-hemorrhage-control>