**Effectiveness of uterine compression suture as a conservative measure to**

**control post-partum haemorrhage: At a secondary care hospital**

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**ABSTRACT**

**Objective**: To assess the effectiveness of uterine compression suture to control postpartum haemorrhage.

**Study Design:** Prospective experimental case series.

**Place and Duration**: From 1st April, 2014 to 30th April, 2017 at the Labour Ward of Federal General Hospital, Chak Shahzad, Islamabad.

### **Methodology**: All women who went into postpartum hemorrhage (PPH) after vaginal delivery or cesarean section were selected. B lynch suture was applied by obstetrician on call. Patient was kept in high dependency area for 24 hours with close monitoring. Demographic characteristics, amount of blood loss, type of intervention used to arrest bleeding and underlying cause of bleeding were noted. All cases were discharged on fifth day. They were followed up till 3 months postpartum for development of complications like secondary post-partum haemhorrhage and infections.

**Results**: A total of 20 women underwent postpartum haemorrhage during the study period. Demographic characteristics showed that 55% of patients were young and 70% were primigravida. 70% had gestational age of 37-40 weeks. Commonest cause of haemorrhage was uterine atony (50%). Average blood loss of 1000-1500ml was noted in 45%, while 35% had blood loss range of 1500-2000 ml. Sever postpartum haemorrhage was seen in only (5%) patient, in our study. 80% required <3 blood transfusions and 20% had >3 transfusions. B Lynch suture was the only intervention in 65% of study patients while 35% had bilateral uterine arteries ligation along with application of B Lynch suture. In 70% of study patients B Lynch suture was applied during lower segment cesarean section while in 30%, emergency laparotomy was performed after vaginal delivery. Success rate of B Lynch application was 100%.

**Conclusion**: B Lynch compression suture is effective in controlling massive haemorrhage in a very short time and success rate was 100%.

## Keywords: Pregnancy, Postpartum haemorrhage, Uterine atony, Uterine compression suture, B Lynch suture.

**How to Cite This:**

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