

**Poster Number: EP 428      Name: Dr. Mandira Dasgupta**  
**Title: Foley's catheter intrauterine tamponade an easy and effective choice in Atonic Post Partum Haemorrhage management**

### Introduction

Uterine tamponade is advocated by WHO in unresponsive atonic Post Partum Haemorrhage (PPH)<sup>1,2</sup>. There are many types. We have studied multiple Foley's Catheter intrauterine tamponade.

### Objectives

To determine efficacy of intrauterine foley's catheter tamponade in terms of

- **success rate** (need for surgery)
- **PPH to tamponade interval**
- **time needed to stop bleeding**
- **complications**

### Materials and Methods

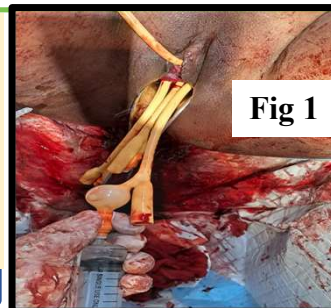
**Study Design:** Prospective interventional  
**Place:** Dept of Obs & Gynae, RGKMCH.  
**Period of study:** 18 m (31/04/22-30/10/23)  
**Study population:** 140 –vaginal deliveries  
**Inclusion criteria:** atonic PPH not responsive to uterotonics, uterine massage and/or bimanual compression for 30 mins.  
**Exclusion criteria:** coagulopathy, traumatic PPH, retained products, fibroid, uterine anomaly or chorioamnionitis.

Method: '3-4' 16Fr foley's catheter were inserted trans-vaginally, balloon inflated with normal saline (60 ml each), kept for 24-28 hours. If bleeding continued after 30 minutes surgical intervention was sought. (**Fig1**) Observations were recorded & analysed

### Results

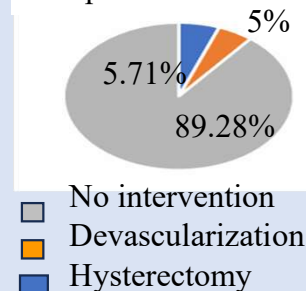
Tabulated in **Table 1**

Parameters	Value
<b>Age</b>	24.75 ± 4.99 yrs
<b>Primipara</b>	54.28% (76/140)
<b>Multipara</b>	45.71% (64/140)
<b>ANC received</b>	95.71% (134/140)
<b>Twins</b>	8.57 % (12/140)
<b>H/o PPH</b>	10.71% (15/140)
<b>Preterm pregnancy</b>	34.28% (48 /140)
<b>Post-term pregnancy</b>	12.85% (18/140)
<b>Mean gestational age</b>	37.04 ± 2.32 wks
<b>Induced Labour</b>	18.57% (22/140)
<b>Prolonged labour</b>	10.71% (15 / 140)
<b>Home delivery</b>	7.14% (10 /140)
<b>Mean birth weight</b>	2.94± 0. 56 Kgs
<b>Mean blood loss</b>	1.06 ± 0.35L
<b>Mild PPH</b>	18.57% (26/140)
<b>Moderate PPH</b>	77.14% (108/140)
<b>Severe PPH</b>	4.28% (6/140)

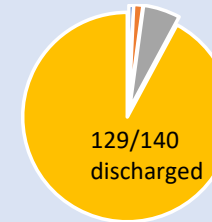


**Fig 1**

**Fig 2: Efficacy of Tamponade**



**Success Rate: 89.28% (Fig2).**  
**PPH-Tamponade interval:** 34.42 ± 23.76 min,  
**Tamponade-haemostasis interval :** 4.84 ± 22.09 min  
**Drop in Hb%-** 1.22 ± 0.76 gm/dl



**Fig 3: Complications (11/140, 7.85%)**

1 maternal death  
2 AKI  
8 sepsis

### Conclusion

**Foley's balloon tamponade** is an effective method in severe unresponsive PPH, easy to insert remove, takes less time, with minimal anesthesia, less traumatic, needs no trained personnel, acts fast, less morbidity & cost effective. If unable to control PPH it reduces blood loss and gives some time till surgical help becomes available.

### References & Acknowledgement

1. World Health Organisation: WHO recommendations for prevention and treatment of postpartum hemorrhage. 2012.
2. SudhaR, et al Intrauterine balloon tamponade in the management of severe postpartum hemorrhage: case series from a tertiary care hospital. IJCMR, 2017;4(1):93-96.

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