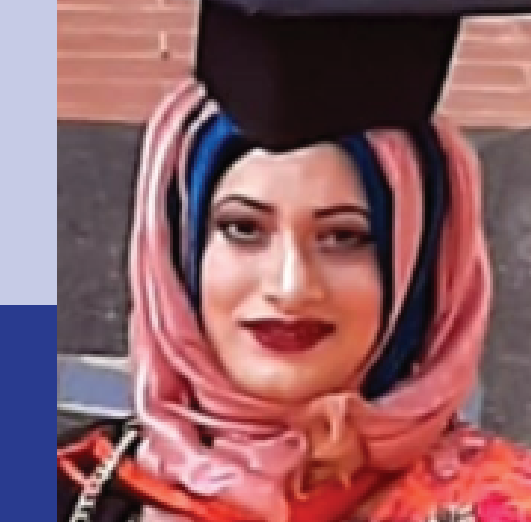




Maternal Outcome of Placenta Previa in Scarred Uterus: A Comparative Study

MasumaTabassum¹, Shahanara Chowdhury¹ (1-Chittagong Medical College Hospital, (CMCH), Chattogram, Bangladesh)

Correspondence: Dr. Masuma Tabassum, Consultant, MBBS(CMC),BCS (HEALTH),MS (BSMMU ,DHAKA),Department of Obstetrics and Gynaecology, Chittagong Medical College Hospital, Chattogram. Bangladesh. Email-masumaminhaz@gmail.com, cell:++8801717661892



BACKGROUND

Placental complications are closely associated with cesarean section(CS)like placenta previa (PP) and placenta accreta spectrum disorder (PAS).

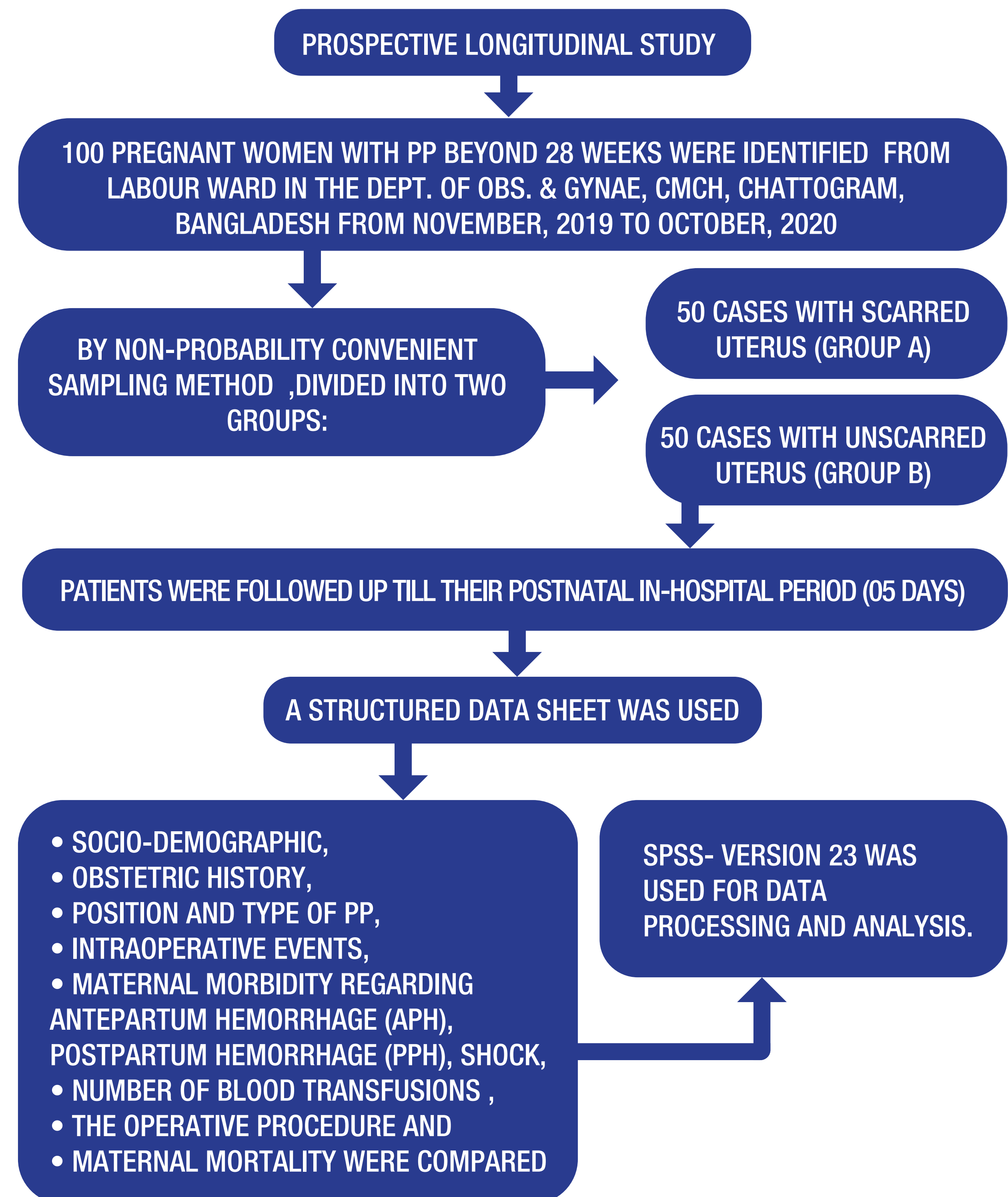
RESEARCH HYPOTHESIS

Maternal outcome of placenta previa in scarred uterus is unfavorable than that of unscarred uterus.

OBJECTIVES

The study aimed to compare the maternal outcome of PP with H/O(CS) (scarred uterus) and PP without H/OCS (unscarred uterus).

MATERIALS AND METHOD



RESULTS

Table III: Clinical variables between two groups			
Variables	Scarred	Unscarred	p value
	(n=50)	(n=50)	
Position of placenta previa			
Anterior	43 (86)	24 (48)	<0.001 *
Posterior	7 (14)	26 (52)	
Adherent placenta			
Absent	33 (66)	49 (98)	<0.001 *
Present	17 (34)	1 (2)	
Type of Adherent placenta			
Accreta	7 (14)	1 (2)	<0.001 *
Increta	3 (6)	0 (0)	
Percreta	7 (14)	0 (0)	

Data were expressed as frequency (percentage). P values were obtained by * Chi-square test. Significant values were presented in bold face.

- Mean age of the women in scarred uterus group was 29.42±3.37 years. (p=0.001)
- About 72% of the patients with scarred uterus had grade IV placenta previa (p=<0.001).
- Significantly higher proportion of women with scarred uterus had PPH(p<0.001).
- 88% in unscarred uterus group were discharged from the hospital within 5th POD (p=0.003).
- There was statistically non-significant higher incidence of maternal death in patients with scarred uterus (6% vs2%,p=0.307)

Table IV: Maternal outcome (per-operative events)			
Arterial ligation			
Not needed	12 (24)	33 (66)	<0.001 *
Needed	38 (76)	17 (34)	
Peroperative blood loss			
≤1000 ml	16 (32)	34 (68)	<0.001 *
>1000 ml	34 (68)	16 (32)	
Blood transfusion unit			
Median (IQR)	3 (2-4)	2 (2-2)	<0.001 ‡
Range	1-9	1-5	

Data were expressed as frequency (percentage). P values were obtained by * Chi-square test or ‡Mann Whitney U test. Significant values were presented in bold face.

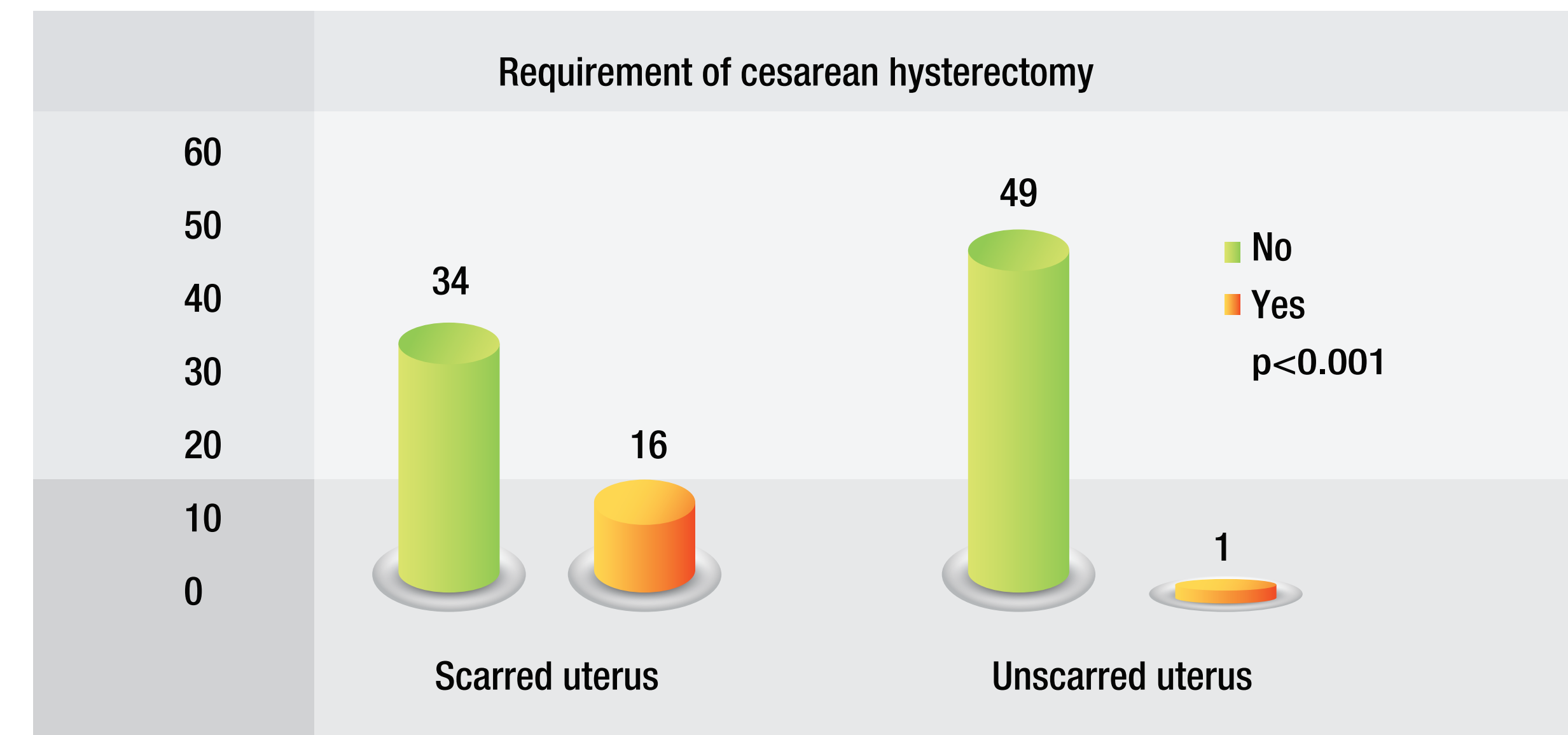


FIGURE 3: REQUIREMENT OF CESAREAN HYSTERECTOMY BETWEEN TWO GROUPS

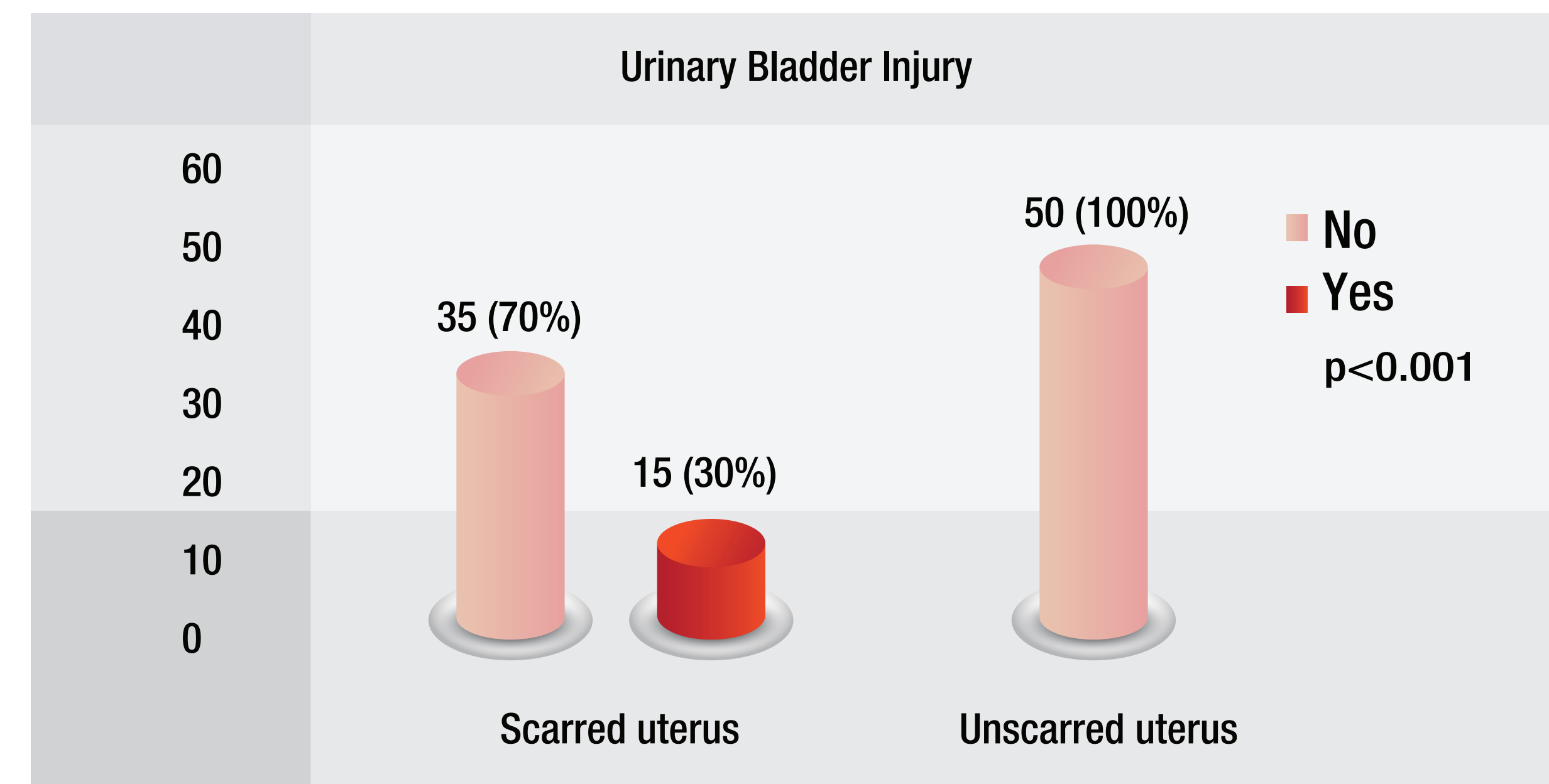


FIGURE 4: REQUIREMENT OF URINARY BLADDER INJURY BETWEEN TWO GROUPS

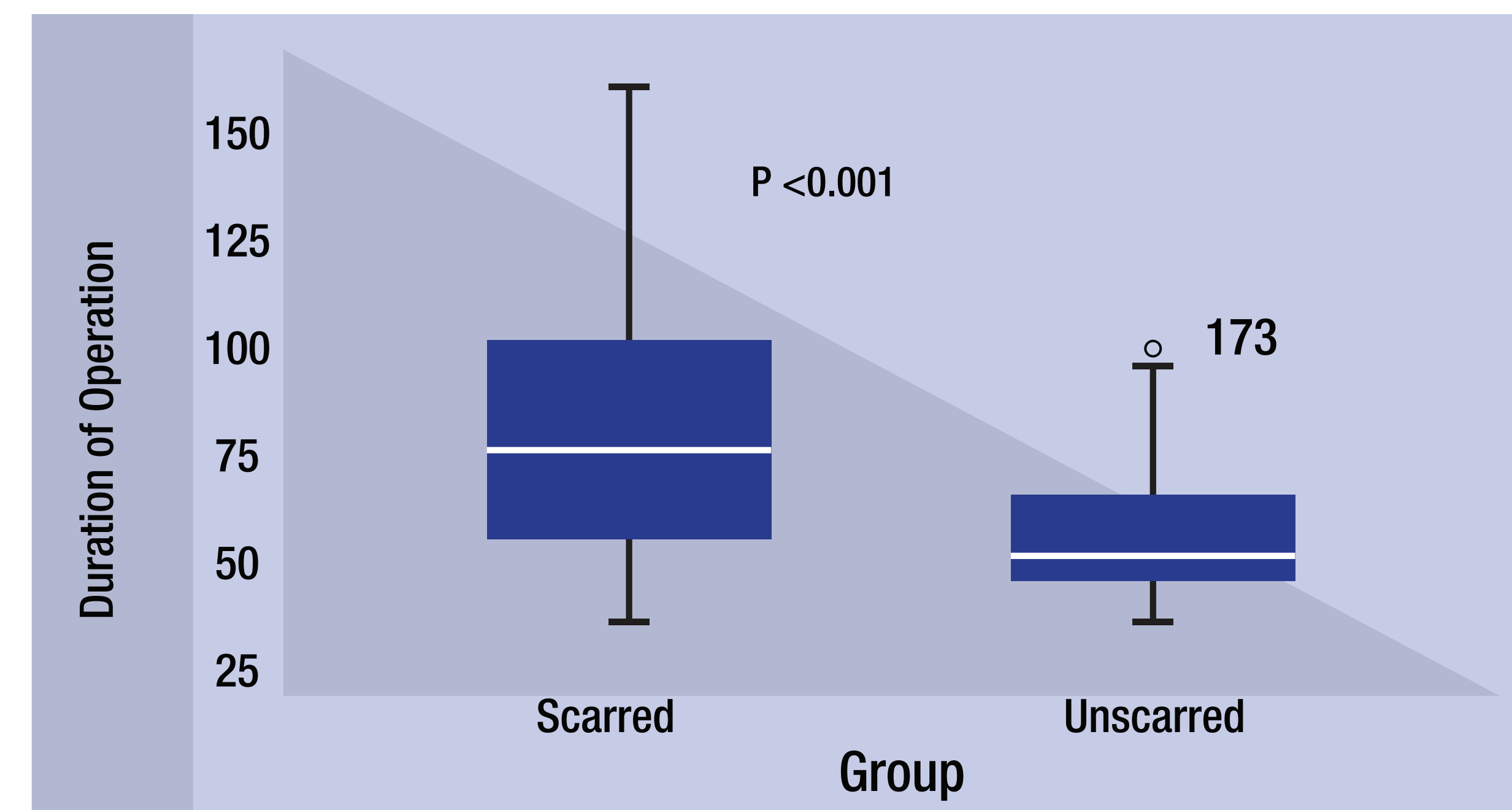
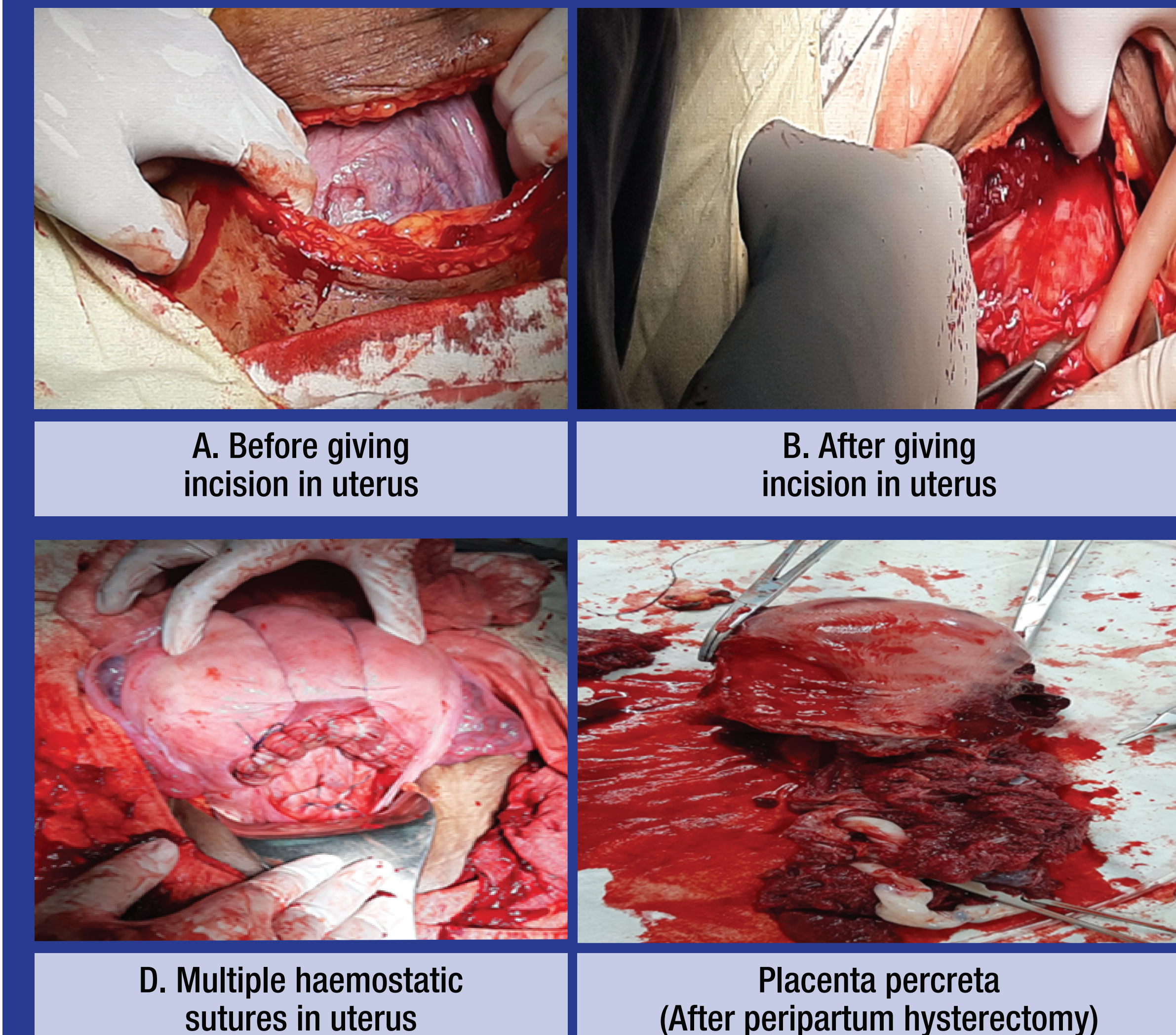


FIGURE 5: THE BOX-PLOT GRAPH COMPARISON OF DURATION OF OPERATION BETWEEN TWO GROUPS

CONCLUSION

- The present study is one of the few studies to compare maternal outcome of placenta previa in scarred (H/O CS) and unscarred uterus in Bangladesh.
- The study concludes that anterior placenta and morbidly adherent placenta are more common in patients with cesarean scar compared to patients without cesarean scar.
- Placenta previa when combines with cesarean scarred uterus is more dangerous than placenta previa in unscarred uterus in view of increasing maternal morbidity such as increased blood transfusion, hysterectomy, bladder injury and PPH.

PICTURE FROM THE STUDY SOURCE: PERSONAL COLLECTION



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