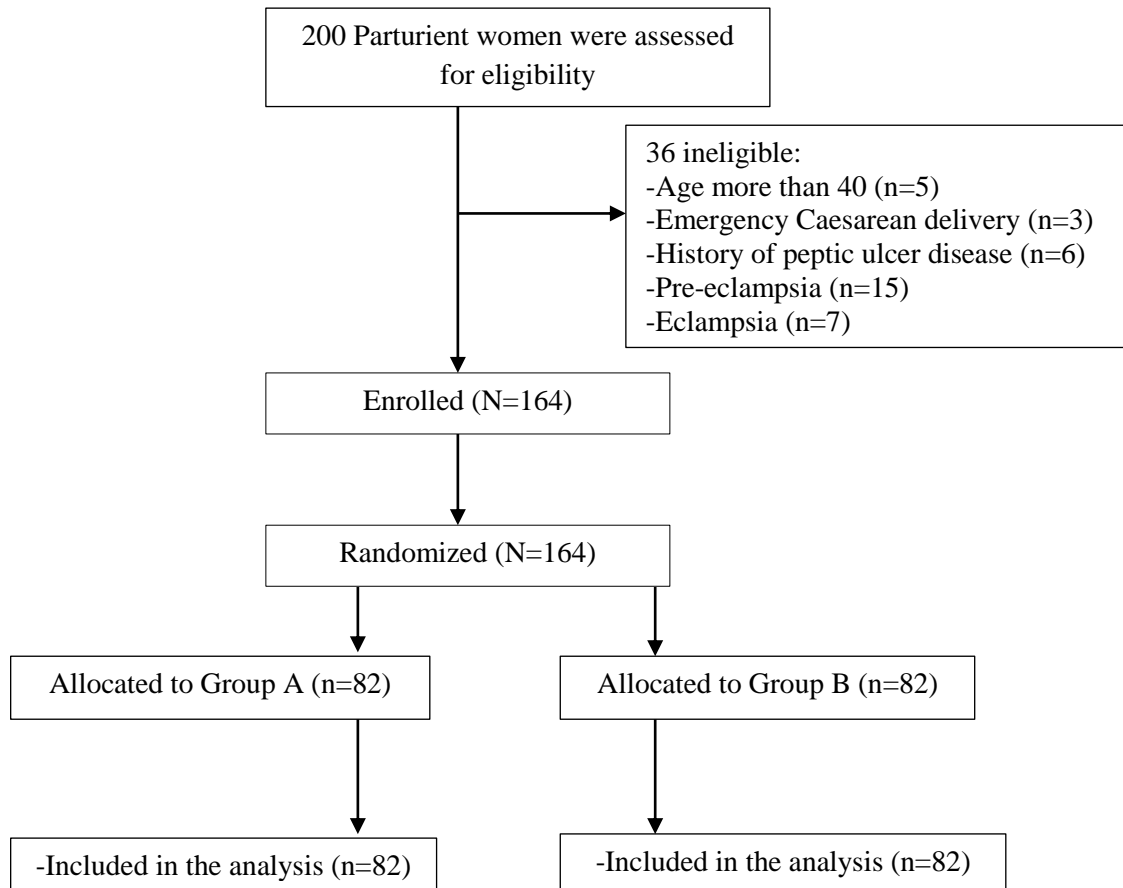


## Results



**Figure 1.** CONSORT diagram of participant flow.

**Table 1: Baseline Characteristics of the Study Participants**

	Total	Group A	Group B	
Variables	N (%)	n (%)	n (%)	P-value
Age Group (Years)				
18-32	83 (50.6)	43 (52.4)	40 (48.8)	0.639 <sup>a</sup>
33-40	81 (49.4)	39 (47.6)	42 (51.2)	
Gestational Age (Weeks)				
37-39	106 (64.6)	47 (57.3)	59 (72.0)	0.050 <sup>a</sup>
40-42	58 (35.4)	35 (42.7)	23 (28.0)	
Parity				
0	43 (26.2)	26 (31.7)	17 (20.7)	0.272 <sup>a</sup>
1 – 2	94 (57.3)	43 (52.4)	51 (62.2)	
3 – 6	27 (16.5)	13 (15.9)	14 (17.1)	
ASA Category				
I	0 (0.0)	0 (0.0)	0 (0.0)	-
II	164 (100.0)	82 (100.0)	82 (100.0)	
Body Mass Index Category				
Normal (18.5-24.9 kg/m <sup>2</sup> )	100 (61.0)	50 (61.0)	50 (61.0)	1.000 <sup>b</sup>
Overweight (25-29.9 kg/m <sup>2</sup> )	62 (37.8)	31 (37.8)	31 (37.8)	
Obesity (≥ 30 kg/m <sup>2</sup> )	2 (1.2)	1 (1.2)	1 (1.2)	
Number of Previous CS				
0	69 (42.1)	41 (50.0)	28 (34.1)	0.040 <sup>a</sup>
≥ 1	95 (57.9)	41 (50.0)	54 (65.9)	

Group A: Rectal Diclofenac (50mg), Intravenous Paracetamol (600mg) and 1g (10mls) Intravenous Vitamin C; Group B: Rectal Diclofenac (50mg), Intravenous Paracetamol (600mg) and 10mls of Sterile Water; <sup>a</sup>Chi-square test; <sup>b</sup>Fisher's exact test; ASA: American Society of Anesthesiologists; CS: Caesarean Section

**Table 3: Postoperative Pains from the End of the Surgery to the first 24 Hours**

				Mean Difference (Group A – Group B)	Mean Percentage Difference	
	Total	Group A	Group B			
Variable	Mean±SD	Mean±SD	Mean±SD	Mean (95% CI)	(%)	P-value
Mean Pain Score						
NRS-Baseline	0.0±0.0	0.0±0.0	0.0±0.0	0.0 (-0.0 to 0.0)	0.0	-
NRS-2 Hours	5.0±2.4	3.2±1.5	6.9±1.4	-3.7 (-4.2 to -3.3)	73.3	< 0.001*
NRS-6 Hours	5.6±1.0	5.8±1.1	5.4±1.0	0.5 (0.2 to 0.8)	8.9	0.003*
NRS-12 Hours	4.6±1.0	4.5±0.9	4.7±1.1	-0.2 (-0.5 to 0.1)	4.3	0.145
NRS-18 Hours	3.8±1.0	3.7±1.0	3.9±0.9	-0.2 (-0.5 to 0.1)	5.3	0.195
NRS-24 Hours	2.5±1.0	2.5±1.0	2.5±0.9	0.0 (-0.3 to 0.3)	0.0	1.000
NRS-Total (Baseline + 2 + 6 + 12 + 18 + 24 Hours)	3.6±0.6	3.3±0.5	3.9±0.6	-0.6 (-0.8 to -0.4)	16.7	< 0.001*
Rescue Analgesia						
Mean time for first rescue analgesic request (Minutes)	136.5±68.7	180.5±65.6	92.4±35.4	88.1 (71.9 to 104.4)	64.5	< 0.001*
Mean pain score at first rescue analgesic request	6.5±0.9	6.1±0.7	6.9±0.9	-0.8 (-1.1 to -0.6)	12.3	< 0.001*
Mean total number of time rescue analgesic requested	1.5±0.6	1.3±0.5	1.7±0.6	-0.6 (-0.6 to -0.3)	40.0	0.001*
Mean total number of time rescue analgesic was given	1.2±0.5	1.0±0.6	1.3±0.5	-0.3 (-0.5 to -0.1)	26.1	< 0.001*
Mean total dose of rescue IV PCM used in 24 hours (mg)	85.4±450.0	85.4±450.0	0.0±0.0	85.4 (-12.8 to 183.5)	100.0	0.088*
Mean total dose of rescue IM Diclofenac (mg) used in 24 hours	121.2±36.6	113.4±37.7	129.0±33.9	-15.6 (-26.6 to -4.5)	12.9	0.006*
Mean total dose of rescue IM Pentazocine (mg) used in 24 hours	89.6±7.4	89.3±10.5	90.0±0.0	-0.7 (-3.0 to 1.6)	0.8	0.529
Mean total dose of rescue analgesic used in 24 hours	1.2±0.4	1.0±0.3	1.3±0.5	-0.3 (-0.5 to -0.3)	25.0	< 0.001*

Group A: Rectal Diclofenac (50mg), Intravenous Paracetamol (600mg) and 1g (10mLs) Intravenous Vitamin C;  
 Group B: Rectal Diclofenac (50mg), Intravenous Paracetamol (600mg) and 10mls of Sterile Water; \*Independent Samples T Test is Significant at  $P < 0.05$ ; IV: Intravenous; IM: Intramuscular; NRS: Numerical Rating Scale

**Side Effects of the Study Agents**

Participants in both study groups did not report any side effects such as vomiting, headache, abdominal cramp, dizziness, pain on injection site, and hot flush linked to the study agents.