

*Supplementary Material*

**Comparison of Analgesic Effects between Nalbuphine and Sufentanil in First-Trimester Surgical Abortion: A Randomized, Double-blind, Controlled Trial**

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## Supplementary Tables

**Supplemental Table S1. Modified Behavioral Pain Scale score for non-intubated patients**  
(Chanques et al.,2009)

<b>Item</b>	<b>Description</b>	<b>Score</b>
<b>Facial expression</b>	Relaxed	1
	Partially tightened (brow lowering)	2
	Fully tightened (eyelid closing)	3
	Grimacing (folded cheek)	4
<b>Upper or lower limbs</b>	No movement	1
	Partially bent upper or lower limbs	2
	Fully bent with finger flexion	3
	Permanently retracted, affecting inspection	4
<b>Vocalization</b>	No pain vocalization	1
	Moaning not frequent ( $\leq 3/\text{min}$ ) or prolonged ( $\leq 3$ s)	2
	Moaning frequent ( $> 3/\text{min}$ ) and prolonged ( $\geq 3$ s)	3
	Howling or verbal complaint including “ow, ouch”	4

**Supplemental Table S2. The proportion of pain score between two groups**

Pain intensity	Sufentanil group	Nalbuphine group	P value
NRS (15 min postsurgery)			0.002
1	31(30.39%)	49(48.04%)	
2	39(38.24%)	39(38.24%)	
3	26(25.49%)	8(7.84%)	
4	6(5.88%)	6(5.88%)	
NRS (30 min postsurgery)			<0.001
1	30(29.41%)	62(60.78%)	
2	49(48.04%)	31(30.39%)	
3	20(19.61%)	7(6.86%)	
4	2(1.96%)	2(1.96%)	
5	1(0.98%)	0(0%)	
NRS (1h postsurgery)			<0.001
1	40(39.22%)	74(72.55%)	
2	47(46.08%)	26(25.49%)	
3	13(12.75%)	2(1.96%)	
4	2(1.96%)	0(0%)	
NRS (6h postsurgery)			<0.001
1	56(54.90%)	88(86.27%)	
2	40(39.22%)	13(12.75%)	
3	5(4.90%)	1(0.98%)	

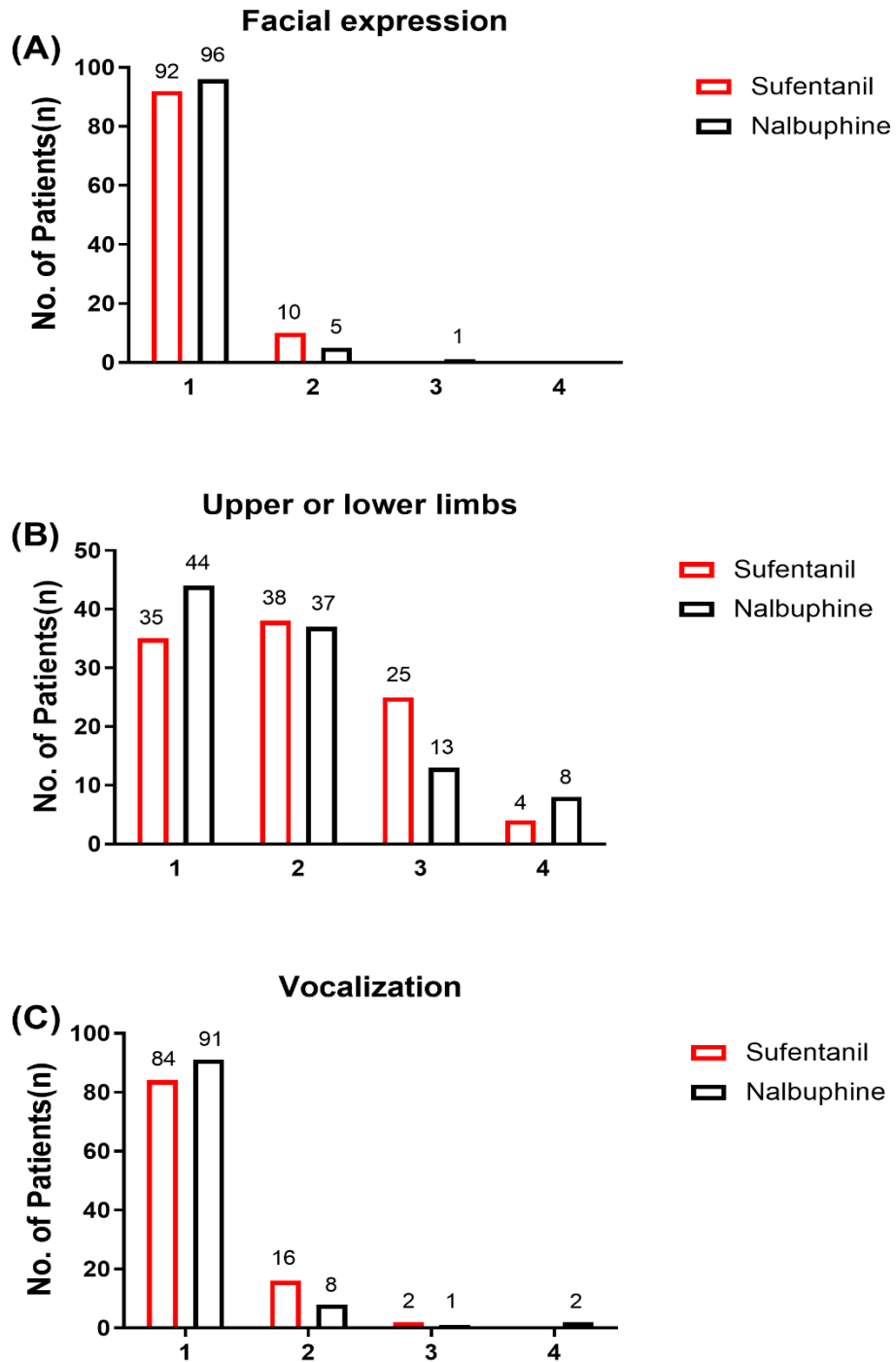
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4	1(0.98%)	0(0%)
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Data were expressed as n (%). NRS= numerical rating scale

## 2 Supplementary Figure



**Supplementary Figure 1. Modified BPS-NI in the two studied groups (A):** Facial expression (scores: 1 = Relaxed, 2 = Partially tightened (brow lowering), 3 = Fully tightened (eyelid closing), 4 = Grimacing (folded cheek); **(B):** Upper or lower limbs (scores: 1 = No movement, 2 = Partially bent

upper or lower limbs, 3 = Fully bent with finger flexion, 4 = Permanently retracted, affecting inspection); **(C):** Vocalization (scores: 1 = No pain vocalization, 2 = Moaning infrequently ( $\leq 3$  /min) or prolonged ( $\leq 3$  s), 3 = Moaning frequently ( $> 3$  /min) and prolonged ( $\geq 3$  s), 4 = Howling or verbal complaint including “ow, ouch” (BPS-NI = behavioral pain scale for non-intubated patients).