**Participant Flow**



**Baseline Characteristics**

Sociodemographic and clinical characteristics of the pregnant group (PG) and non-pregnant group (NPG).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | PG | | NPG |
| Characteristics |  |  | (n=30) | | (n=16) | P value |
| Race, n (%) |  | White | 18 (60) | | 14 (87.5) |  |
|  |  | Non-white | 16 (40) | | 2 (12.5) | .092a |
| Smoking, n (%) |  | Yes | 2 (6.7) | | 1 (6.3) |  |
|  |  | No | 28 (93.3) | | 15 (93.8) | 1.00a |
| Parity, n (%) |  | 0 | 17 (56.7) | | 15 (93.8) |  |
|  |  | 1 | 8 (26.7) | | 1 (6.2) |  |
|  |  | 2 | 2 (6.7) | | 0 |  |
|  |  | 3 or more | 3 (10.0) | | 0 | .084b |
| Median maternal age, n (range) |  | - | 28 (20-34) | | 26 (20-34) | .124b |
|  |  |  |  |  |  |
| Median body mass index (range) |  | **-** | 23.26 (17-32) | | 22.41 (18-35) | .580a |
|  |  |  |  |  |  |
|  |  |  |  |  |  |  |

a The discrete variables were compared by Fisher’s exact test; b The continuous variables were compared by the Mann-Whitney test.

**Outcome Measures**

Primary outcome

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sequence 1 Pregnant Woman | **PSS** | **PP** | **PSU** | **DLE** | **PSS2** | **PSU2** | **PP2** | **DLE2** |
| HR | 82 (66-115) | **84,5 (61-104)** | 80,5 (63-110) | 79,5 (60-98) | 83,5 (55-110) | 83 (58-105) | **80,5 (63-114)** | 77 (58-97) |
| SBP | 118,5 (97-134) | **106 (94-141)** | 114 (99-130) | 111,5(89-129) | 113 (98-134) | 109 (96-127) | **109 (89-122)** | 114 (98-126) |
| DBP | 67,5 (59-81) | **62 (49-82)** | 67,5 (60-84) | 66,5 (57-82) | 67,5 (58-83) | 66 (53-79) | **64 (54-77)** | 69,5 (56-87) |
| RR | 20 (18-25) | **20 (16-24)** | 20 (19-24) | 20 (18-24) | 21 (16-28) | 20 (16-27) | **20 (18-22)** | 21 (16-22) |
| SpO2 | 96 (93-97) | **96,5 (94-99)** | 96,5 (95-98) | 96 (93-97) | 97 (93-98) | 96 (93-97) | **97 (95-99)** | 96 (93-98) |
| Baseline Fetal HR | 145 (130-160) | **140 (125-150)** | 140 (130-160) | 140 (120-155) | 140 (130-160) | 140 (120-150) | **135 (127-150)** | 132 (120-150) |

Values are expressed as median.

Legend: Heart rate (HR), oxygen saturation (SpO2), systolic blood pressure (SBP), diastolic blood pressure (DBP), respiratory rate (RR) and baseline fetal Heart rate (HR).

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sequence 2 Pregnant Woman | **PSS** | **PP** | **DLE** | **PSU** | **PSS2** | **DLE2** | **PP2** | | **PSU2** |
| HR | 90,5 (77-103) | **83 (68-100)** | 83 (68-89) | 81,5 (67-93) | 84,5 (70-94) | 78,5 (68-92) | **83,5 (74-93)** | 83 (62-93) | |
| SBP | 112 (96-125) | **108 (86-119)** | 105,5 (97- | 107 (97-129) | 109 (95-127) | 107 (98-129) | **103,5 (96-120)** | 108,5 (96-129) | |
| DBP | 67,5 (55-85) | **62,5 (48-76)** | 64 (54-76) | 67,5 (59-79) | 67 (57-82) | 65 (57-83) | **64,5 (54-77)** | 65,5 (56-81) | |
| RR | 20 (18-26) | **20 (19-24)** | 20 (16-25) | 20 (18-25) | 20 (17-26) | 20 (16-30) | **20 (18-28)** | 20,9 (16-26) | |
| SpO2 | 97 (93-98) | 98 (96-100) | 97 (95-98) | 97 (96-99) | 97,5 (95-99) | 97 (96-99) | **97 (96-99)** | 97 (94-99) | |
| Baseline Fetal HR | 147 (130-160) | **140 (130-150)** | 140 (130-150) | 145 (130-154) | 142 (130-150) | 140 (120-150) | **140 (120-150)** | 140 (120-150) | |

Values are expressed as median.

Legend: Heart rate (HR), oxygen saturation (SpO2), systolic blood pressure (SBP), diastolic blood pressure (DBP), respiratory rate (RR) and baseline fetal Heart rate (HR).

Secondary outcomes

Comfort of the pregnant group (PG) and non-pregnant group (NPG)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sequences 1 and 2** |  | PG (n=30) | NPG (n=16) |
| **Comfort, n (%)** | Yes | 30 (100%) | 16 (100%) |
|  | No | 0 | 0 |

**Adverse Events**

No adverse events associated with this study