

**Table 1. Primers' sequences**

Target gene	Primers' sequences (5'-3')
<i>ACTB</i>	F: 5'-CTGGAACGGTGAAGGTGACA-3' R: 5'-GTAACAACGCATCTCATATTTGGAA-3'
<i>GAPDH</i>	F: 5'-AGAAGGCTGGGGCTCATTTG-3' R: 5'-TGATGGCATGGACTGTGGTCAT-3'
<i>CNR1</i>	F: 5'-TCATTAAGACGGTGTTTGCATTCT-3' R: 5'-CGTGTCGCAGGTCCTTACTC-3'
<i>CNR1a</i>	F: 5'-TGCAGAGCTCTCCGTAGTCA-3' R: 5'-TGGTCCTCGGGACAGAAG-3'
<i>CNR2</i>	F: 5'-TCATCTACACCTATGGGCATGTTCT-3' R: 5'-CCTCATTCGGGCCATTCC-3'

**Table 2. Characteristics of the population.**

Factors	Study group (n=115) A ± SD	Control group (n=35) A ± SD	p-value
Age [years]	28,8 ± 6,2	28,3 ± 4,7	0.42
Parity	2,1 ± 1,5	1,8 ± 0,9	0.52
Gestational age in labour [hbd]	31,1 ± 3,8	39,2 ± 1,5	<0.001
Birth weight [g]	1725 ± 780	3337 ± 498	<0.001
Hight [cm]	164,2 ± 5,4	166,6 ± 5,5	0.056
Weight before delivery [kg]	68,6 ± 10,7	74,2 ± 12,0	0.015
Weight before pregnancy [kg]	60,5 ± 9,9	60,7 ± 9,9	0.87
BMI before delivery [kg/m <sup>2</sup> ]	25,6 ± 4,4	26,7 ± 4,3	0.2
BMI before pregnancy [kg/m <sup>2</sup> ]	21,8 ± 3,9	21,9 ± 3,4	0.97
Temperature before delivery	36,7 ± 0,4	36,5 ± 0,4	0.023
Hemoglobin level on admission	11,5 ± 1,07	12,2 ± 1,04	0.011

Hematocrit level on admission	34,4 ± 5,7	36,2 ± 3,6	0.017
Average FHR on admission	144,5 ± 8,6	142,1 ± 6	0.58
CRP level on admission	15,8 ± 29,1	2,5 ± 2,5	0.008
Average blood pressure on admission	89,4 ± 8,25	90,6 ± 7,85	0.47
Heart rate on admission	80,9 ± 8,6	79,8 ± 9,8	0.5
Vaginal pH value on admission	6,17 ± 1,08	4,5 ± 0,35	0.003
WBC count on admission	547,9 ± 3175	439,2 ± 2100	0.003

*SD – standard deviation*

*A – Average*

**Table 3. CB1, CB1a, and CB2 gene expression.**

	Study group (n=115)		Control group (n=35)		
Receptors	A Cp ± SD	min-max	A Cp ± SD	min-max	p-value
CB1	31.1 ± 3.6	0 - 35.0	31.1 ± 1.8	27.2 - 34.2	0.47
CB1a	31.2 ± 3.6	0 - 35.7	31.3 ± 2.0	26.9 - 34.8	0.70
CB2	26.8 ± 13.5	0 - 36.0	31.1 ± 9.6	0 - 36.1	0.038
1/ΔCp CB2	0.06 ± 0.1	-0.05 - 0.5	0.07 ± 0.04	-0.04 - 0.1	0.57
REF	21.5 ± 2.8	0 - 27.6	21.7 ± 1.4	18.9 - 24.1	0.43

**Table 4. The correlation between PTB risk factors and the level of receptors.**

Risk factors	Receptors	R Spearman	p-value
Previous PTB	CB1	-0.202	0.03
Previous PTB	CB1a	-0.202	0.03
Obsolete in previous pregnancy	1/ΔCB1	0.245	0.0082
Obsolete in previous pregnancy	CB1a	-0.199	0.033
Obsolete in previous pregnancy	1/ΔCB1a	0.262	0.0047

Obsolete in a previous pregnancy	1/ $\Delta$ CB2	0.206	0.028
Fever on admission	CB1a	-0.202	0.046
Bleeding during the current pregnancy	1/ $\Delta$ CB2	0.236	0.012
Leukocyturia on admission	CB1	0.221	0.028
Leukocyturia on admission	CB1a	0.213	0.019
Urinary tract infection during the current pregnancy	CB2	0.253	0.04
Increased tenderness of the uterus before delivery	CB1	-0,202	0.039
Increased tenderness of the uterus before delivery	CB1a	-0,261	0.0067