

Table 1: Comparison of the different demographic characteristics

Characteristics	Control (n=25)		Case (n=25)		P value
Average age (years)	32,20±4,44		31,84±5,96		0,8140
Age (years)					0,5465
[20-36]	20	80,00	17	68,00	0,4210
≥36	5	20,00	8	32,00	
Origin					
North Africa	10	40,00	6	24,00	0,2000
Sub-saharan Africa	7	28,00	8	32,00	
Asia	1	4,00	0	0,00	
Western Europe	4	16,00	10	40,00	
Eastern Europe	3	12,00	1	4,00	
Gestational age (weeks)	30,14±3,46		28,28±3,93		
Gestational age (weeks)					0,1192
<28	7	28,00	14	56,00	0,5791
[28-34[	15	60,00	10	40,00	
≥30	3	12,00	1	4,00	
Sex					
Male	14	56,00	11	44,00	
Female	11	44,00	14	56,00	

Table 2: Comparison of the different maternal risk factors

Characteristics	Control (n=25)		Case (n=25)		P value
PRM >18 h					0,0422
No	16	64,00	8	32,00	
Yes	9	36,00	17	68,00	
Spontaneous prematurity					-
Yes	25	100,00	25	100,00	
Maternal fever					0,9999
No	24	96,00	23	92,00	
Yes	1	4,00	2	8,00	
Maternal antibiotic					0,0269
No	12	48,00	4	16,00	
Yes	13	52,00	21	84,00	
Vaginal birth					0,5050
No	16	64,00	13	52,00	
Yes	9	36,00	12	48,00	
Abnormal heart rhythm					0,3865
No	15	60,00	11	44,00	
Yes	10	40,00	14	56,00	
Abnormal heart rhythm (n=24)					0,5154
Slow-down	3	30,00	7	50,00	
Acceleration	7	70,00	7	50,00	

Table 3: Comparison of the different neonatal risk factors

Characteristics	Control (n=25)		Case (n=25)		P value
First minute Apgar score					0,7060
<7	8	32,00	19	76,00	
≥7	17	68,00	6	24,00	
Apgar score in the fifth minute					0,9999
<7	4	16,00	5	20,00	
≥7	21	84,00	20	80,00	
Apgar score at the tenth minute					0,3000
<7	1	4,17	2	8,00	
≥7	23	95,83	23	92,00	
Birth weight					0,3000
<1000 g	8	32,00	13	52,00	
<1500 g	8	32,00	3	12,00	
≥1500 g	9	36,00	9	36,00	
First minute score	6,24±2,74		4,40±2,68		0,0505
Third minute score	6,88±2,68		6,08±2,51		0,3210
Fifth minute score	8,20±1,68		7,44±2,29		0,2241
Tenth minute score	8,96±1,08		8,24±1,88		0,1741
Birth weight	1458,80±634,65		1277,84±708,78		0,3261
Antibiotics duration	2,72±2,15		6,79±1,64		0,0005
Stunting					0,6831
No	20	80,00	22	88,00	
Yes	5	20,00	3	12,00	
Newborn fever					
No	25	100,00	25	100,00	-

Table 4: Comparison of clinical and biological signs found in newborns

Characteristic	Control (n=25)		Case (n=25)		P value
Somnolence					0,9999
No	25	100,00	24	96,00	
Yes	0	0,00	1	4,00	
Hypotonia					0,5465
No	20	80,00	17	68,00	
Yes	5	20,00	8	32,00	
Tachycardia					0,9999
No	23	92,00	24	96,00	
Yes	2	8,00	1	4,00	
Bradycardia					0,9999
No	23	92,00	25	100,00	
Yes	2	8,00	0	0,00	
Distress					0,2207
No	5	20,00	1	4,00	
Yes	20	80,00	24	96,00	
Polypnea					0,9999
No	24	96,00	24	96,00	
Yes	1	4,00	1	4,00	
CRP at H12 (mg/l)					0,0001
<6	20	80,00	3	12,00	
>6	5	20,00	22	88,00	
Cord PCT (ng/ml)					0,0011
<0,6	21	84,00	7	28,00	
>0,6	4	16,00	18	72,00	

Table 5: Pathogens associated with EOS in newborns

Pathogens	Number of cases	Percentage
Gram négative		
E. coli	12	44,5
Haemophilus Influenzae	4	14,8
Capnocytophago sputigena	1	3,70
Fusobacterium nucleatum	1	3,70
Gram positive		
Streptocoque constellatus	1	3,7
Streptocoque anginosus	3	11,1
Streptocoque agalactiae or B	2	7,4
Staphylocoque aureus	3	11,1
Total	27	100

Table 6: Comparison of the different bacteriological characteristics

Characteristics	Control (n=25)		Case (n=25)		P value
Bacteriology of the placenta					0,0002
Négative	25	100,00	7	28,00	
Positive	0	0,00	18	72,00	
Peripheral sampling					0,0007
Négative	25	100,00	7	28,00	
Positive	0	0,00	18	72,00	
Lumbar puncture					0,9999
Négative	0	0,00	24	96,00	
positive	25	100,00	1	4,00	
Blood culture					0,9999
Négative	25	100,00	24	96,00	
positive	0	0,00	1	4,00	