**Table 1. Comparative characteristics of the patients with primary chronic glomerulonephritis who carried pregnancy and who did not have pregnancies**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter\*** | **Study group****( n = 40)** | **Control group****( n = 35)** | **P value** |
| Age, year | 29.9 [25.1; 33.4] | 33.0 [28.5; 36.7] | 0.174 |
| CKD grade, n (%) |
| 1 | 17 (42.5) | 12 (34.3) | 0.946 |
| 2 | 9 (22.5) | 14 (40.0) |  |
| 3а | 12 (30.0) | 7 (20.0) |  |
| 3b | 2 (5.0) | 2 (5.7) |  |
| GFR, mL/min/1.73 m2 | 76.0 [55.9; 107.3] | 81.0 [60.5; 107.5] | 0.629 |
| Arterial hypertension, n (%) | 25 (62.5) | 18 (51.4) | 0.359 |
| Proteinuria ≥ 1 g/24h, n (%) | 13 (32.5) | 8 (22.9) | 0.443 |

CKD, chronic kidney disease; GFR, glomerular filtration rate

\* In the study group at discharge from the hospital after delivery, in the control group at the beginning of the follow-up

**Table 2. Changes of glomerular filtration rate over the total follow-up period in patients with primary chronic glomerulonephritis who carried pregnancy and who did not have pregnancies**

|  |  |
| --- | --- |
| **GFR changes over time** | **Group, n (%)** |
| **Study** | **Control** |
| No changes or a decrease by less than 15% from the baseline rate | 11 (27.5) | 20 (57.1) |
| Reduction by > 15 and < 30% | 9 (22.5) | 6 (17.1) |
| Reduction by > 30% and less than 50% | 6 (15.0) | 5 (14.3) |
| Reduction by > 50% | 14 (35.0) | 4 (11.4) |
| Total number of patients, N | 40 | 35 |

GFR, glomerular filtration rate

**Table 3. Comparative characteristics of clinical particulars, course and outcomes of pregnancies in the patients from the study group who reached and did not reach chronic kidney disease C5 during subsequent follow-up**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Reached CKD С5, N (%)****( n = 11)** | **Did not reach CKD C5, N (%)****( n = 29)** | **OR (95% CI)** | **P value** |
| CKD C3а and 3b | 8 (72.7) | 6 (20.7) | 10.22 (2.06–50.76) | 0.005 |
| Baseline proteinuria ≥ 1 g/24h | 4 (36.4) | 5 (17.2) | 2.74 (0.58–13.07) | 0.205 |
| Proteinuria ≥ 1 g/24h during gestation | 8 (72.7) | 5 (17.2) | 12.80 (2.48–65.98) | 0.002 |
| Baseline arterial hypertension | 9 (81.8) | 13 (44.8) | 5.54 (1.01–30.26) | 0.048 |
| Arterial hypertension during gestation | 9 (81.8) | 13 (44.8) | 5.54 (1.01–30.26) | 0.048 |
| Preeclampsia | 8 (72.7) | 9 (31.0) | 5.93 (1.27–27.71) | 0.024 |
| Severe preeclampsia | 2 (18.2) | 0 | 15.53 (0.68–352.7) | 0.085 |
| Fetal growth retardation | 5 (45.5) | 8 (27.6) | 2.19 (0.52–9.23) | 0.287 |
| UTI in the mother during gestation | 4 (36.4) | 3 (10.3) | 4.95 (0.89–27.49) | 0.067 |
| AKI in the mother with CKD | 5 (45.5) | 3 (10.3) | 7.22 (1.34–38.92) | 0.021 |
| Caesarean section | 6 (54.5) | 15 (51.7) | 1.12 (0.28–4.51) | 0.873 |
| Delivery at less than 34 weeks of gestation | 3 (27.3) | 2 (6.9) | 5.06 (0.72–35.78) | 0.104 |
| Delivery at less than 37 weeks of gestation | 5 (45.5) | 3 (10.3) | 7.22 (1.34–38.92) | 0.021 |
| Treatment of the neonate in NICU | 4 (36.4) | 2 (6.9) | 7.71 (1.17–51.07) | 0.034 |
| Unfavorable pregnancy outcome | 3 (27.3) | 0 | 24.29 (1.14–518.1) | 0.041 |

AKI, acute kidney injury; CI, confidence interval; CKD C5, chronic kidney disease grade 5; NICU, neonatal intensive care unit; OR, odds ratio; UTI, urinary tract infection