PREGNANCY OUTCOMES IN WOMEN WITH ASYMPTOMATIC BACTERIURIA

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Problem statement: Asymptomatic bacteriuria (AB) is a common complication of pregnancy, described in 6-10% of the patients. One of the common opinions that AB can increase the likelihood of urinary tract infection and have negative impact both for the mother and the fetus. Therefore AB is being treated [1]. Still, those recommendations have a low level of evidence. Also there are data that AB is not associated with increased incidence of premature labor and low birth weight [2].

Methods: We performed chart review of 1600 pregnant patient and identified 132 (9,2%) women with a diagnosis of AB. Two urine cultures were performed in 3% of women, in other cases diagnosis was not performed correctly. 79% of patients received treatment. 21% did not receive therapy for various reasons. 25% of treated patient received antibiotics and 75% phytotherapy.

Results: 100% of patient had some complications of pregnancy. Anemia diagnosed in 48% of patients, recurrent anaerobic vaginitis in 27%. In 36% of the cases premature rupture of membranes was noted, further complicated with hypotonic uterine dysfunction in 27%. Acute intrauterine hypoxia was noted in 17% of cases and C-section was performed in 20% of the patients. Perinatal complications were described in 42% of the newborns.

Conclusion: Any patient with a suspected AB should be closely monitored, given risk of various perinatal complications

References:

- 1 Grabe M. (chairman), Bjerklund-Johansen .E., et. al. Guidelines on Urological Infections. European Association of Urology. – 2013 – P.106
2. Kazemier BM., Koningstein FN., et al. Maternal and neonatal consequences of treated and untreated asymptomatic bacteriuria in pregnancy: a prospective cohort study with an embedded randomised controlled trial. Lancet Infect Dis. – 2015. – № 15(11) – P. 1324-33