Prevalence of streptococcus group B in vagina of 35-37 weeks pregnant women

Nayereh Seyedi Moqadami¹, Bizhan Nomanpour², Peyman Lashgari³

ABSTRACT

Background & Aim: streptococcus group B is gram positive diplococcus that can be colonized in genital tract of women and can be transfer to child from genital tract and make septicemia.

According to the importance of septicemia with this bacteria and its risk of death in neonatal, we evaluate the prevalence of streptococcus group B in vagina of 35-37 weeks pregnant women hospital between 2010 to 2012.

Materials and Methods: This study is a cross-sectional study and performed from 2010 till 2012 in Sarem women’s hospital. The vaginal secretion specimens have taken from vagina 35-37 weeks women referring to sarem hospital and routine diagnostic tests such as catalase and CAMP were performed in microbiology laboratory. The prevalence and demographic results were analysis with SPSS software version 18.

Results: Period of this study, 1610 pregnant women referred to Sarem women’s hospital. There are 119 positive culture of streptococcus group B (GBS+) and the prevalence was 7.39 %. Demographic analysis didn’t have any significant results except in educational level.

Conclusion: according to our results the prevalence of streptococcus group B in this study was lower than other countries but it is similar to other studies in our country.

Keywords: Streptococcus group B, Prevalence, Pregnancy.

1.MD, Obstetrics, Gynecologist & Perinatology Fellowship,Sarem Fertility & Infertility Research Center, Sarem Hospital, Tehran, Iran.
2-PhD, biology, Sarem Cell Research Center, Sarem Hospital, Tehran, Iran.
3-BSc, Lab. science, Sarem Hospital. Tehran. Iran

*Corresponding Author, nayereh.seyedinoghaddam@gmail.com

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