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RISK FACTORS OF OVARIAN CANCER INCIDENCE IN PKU MUHAMMADIYAH TEACHING HOSPITAL, YOGYAKARTA

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ABSTRACT

Ovarian cancer is non-communicable diseases that has a high mortality rate. In 2014-2017 ovarian cancer is 5th out of all types cancers diagnosed in PKU Muhammadiyah Teaching Hospital Yogyakarta. Most of them are asymptomatic in early stage and come to hospital at late stage. Recognize and identify the risk factors of ovarian cancer are very important to prevent the patient from morbidity and mortality. The purpose of this study was to know the relations between low parity, infertility, age, and family history with ovarian cancer in PKU Muhammadiyah Teaching Hospital Yogyakarta. This study was an observational analytical study with cross sectional design. The sample was medical record of women with ovarian cancer and non ovarian cancer in PKU Muhammadiyah Teaching Hospital Yogyakarta, period of April 2014-September 2017 with inclusion and exclusion criteria. Data analysis used chi-square test. The bivariat analysis showed that there is no relation between ovarian cancer incidence with low parity ($p=0,790$ OR=0,87; 95% CI 0,305-2,466), no relation with infertility ($p=0,104$ OR=2,48; 95% CI 0,815-7,545), and no relation with family history ($p=0,01$; OR=3,18; 95%: 0,315-32,039). But there is a relation between age with ovarian cancer ($p=0,01$ OR=0,11; 95% CI 0,022-0,510). There are no relations between low parity, infertility, and family history with ovarian cancer. But there is a relation between age with ovarian cancer.

Keywords: *risk factors, ovarian cancer, non-communicable diseases*