

ABSTRACT

Objective : To understand the difference factors that influence succeeding on getting sperm for azoospermia patients of PESA or TESE.

Design : Used cross sectional research method design.

Setting : Laboratory of infertility unit of Siloam Hospital Surabaya city

Sample : Used medical data record of patients who undergo surgery to obtain sperm using PESA method totaling 60 patients whereas patient who undergo surgery to obtain sperm using TESE method totaling 42 patients.

Result(s) : Research result shown indication of statistically significant differentiation testicular volume ($p = 0,045$) and history of previous surgery ($p = 0,007$) of patients between the success of getting the sperm by the method of PESA / TESE. While age variable ($p = 0,447$), type of infertility ($p = 0,787$), and FSH ($p = 0,319$) did not significantly different between the success of getting the sperm by the method of PESA / TESE.

Conclusion(s) : Differences in factors affecting the success of a sperm with PESA or TESE in azoospermia patients in this study is a factor of testicular volume and history of previous surgery. In patients with large testis volume and/or have never done surgery of the reproductive organs before, it is advisable to use methods of PESA.

Keywords : Patients age, type of infertility, history of previous surgery, testicular volume, FSH, PESA/TESE method.