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**Pregnancy Rate, Semen Analysis and Varicocele Profile in Surabaya**

**Angka Kehamilan, Analisis Semen dan Profil Varikokel di Surabaya**

1. Dr. Fikri Rizaldi, SpU --> Dosen Fakultas Kedokteran / fikririz@gmail.com
2. Prof. Dr. Sabilal Alif, dr., SpU(K) --> Dosen Fakultas Kedokteran / alifsabilal@gmail.com

**Abstract**

**Introduction**: Varicoceles have classically been described to induce a stress pattern semen analysis. Improvement in semen parameters after varicocelectomy had been the main outcome of most studies, but the results were different.

**Objective**: To assess varicocele information from Soetomo and Ramelan Navy Hospital including patient's detail, semen analysis before-after operation and pregnancy rate. **Material and Method**: We reviewed medical records of patients retrospectively who underwent Varicocelectomy January 2007-December 2010 in Soetomo and Ramelan Navy Hospital. The data collected and classified based on patient’s age, chief complaint, type of varicocele, severity, semen analysis and pregnancy rate. There were 151 patients in both hospital, but only 18 patients had information about pregnancy and 24 patients had information about semen analysis after operation. **Result**: In four years there were 151 varicocele patients who underwent varicocelectomy. Most of them were 20-30 years old (61%), complained testicular discomfort (88.7%), unilateral (84.1%), grade II (55%) and had stress pattern of sperm analysis before operation (95.4%). Azoospermia in 7.3%. Overall pregnancy rate was 44.4%. Post operative sperm analysis improved 12/24 (50%) patients and normospermia 4/24 (16.7%) patients.

**Keyword**: varicocele, semen, analysis, pregnancy, rate,

**Daftar Pustaka**