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UNIVERSITAS PEMBANGUNAN NASIONAL “VETERAN” Jakarta**

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**HUBUNGAN FAKTOR USIA, OBESITAS, DAN ROKOK TERHADAP
KONSENTRASI SPERMATOZOA PADA PRIA INFERTILITAS DI RSPAD
GATOT SOEBROTO PADA PERIODE 1 JULI 2022 – 31 JULI 2024**

RINCIAN HALAMAN (xvi + 68 halaman, 7 tabel, 4 gambar, 7 lampiran)

ABSTRAK

Tujuan

Infertilitas merujuk pada situasi di mana pasangan suami istri tidak dapat mencapai kehamilan secara alami setelah berhubungan seksual tanpa penggunaan alat kontrasepsi selama periode 12 bulan. Faktor risiko infertilitas pada pria dipengaruhi oleh berbagai faktor seperti bertambahnya usia, obesitas, dan rokok. Tujuan penelitian ini adalah ingin mengetahui hubungan faktor usia, obesitas, dan rokok terhadap konsentrasi spermatozoa pada pria infertilitas di RSPAD Gatot Soebroto pada periode 1 Juli 2022 – 31 Juli 2024.

Metodologi

Penelitian ini bersifat analitik observasional menggunakan metode cross sectional dengan sampel laki laki yang melakukan pemeriksaan analisa semen di RSPAD Gatot Soebroto pada 1 Juli 2022 – 31 Juli 2024 yang memenuhi kriteria inklusi.

Hasil

Terdapat 53 responden, 58,5% berusia ≤ 35 tahun dengan rata-rata usia 34,11 tahun, rentang 21-59 tahun. Sebanyak 62,3% mengalami obesitas, 49,1% adalah perokok, dan untuk konsentrasi spermatozoa sebanyak 35,8% normozoospermia, 37,7% oligozoospermia, dan 22,6% azoospermia.

Kesimpulan

Terdapat hubungan signifikan antara usia dan rokok terhadap pria infertilitas. Tidak terdapat hubungan signifikan antara obesitas antara konsentrasi pada pria infertilitas.

Daftar Pustaka : 54 (2004-2024)

Kata kunci : Infertilitas pria, Faktor risiko infertilitas, Konsentrasi sperma

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***THE RELATIONSHIP BETWEEN AGE, OBESITY, AND SMOKING FACTORS ON
SPERMATOZOA CONCENTRATION IN INFERTILE MEN AT RSPAD GATOT
SOEBROTO DURING THE PERIOD OF JULY 1, 2022 – JULY 31, 2024***

PAGE DETAILS (xvi + 68 pages, 7 tables, 4 figures, 7 appendices)

ABSTRACT

Purpose

Infertility refers to a condition where a married couple is unable to achieve pregnancy naturally after engaging in sexual intercourse without contraception for a period of 12 months. Risk factors for male infertility are influenced by various aspects, such as increasing age, obesity, and smoking. This study aims to examine the relationship between age, obesity, and smoking factors on spermatozoa concentration in infertile men at RSPAD Gatot Soebroto during the period of July 1, 2022 – July 31, 2024.

Methodology

This study is an analytical observational study using a cross-sectional method with male samples who underwent semen analysis at RSPAD Gatot Soebroto from July 1, 2022 – July 31, 2024, meeting the inclusion criteria.

Results

There were 53 respondents, 58.5% of whom were aged ≤ 35 years, with an average age of 34.11 years, ranging from 21 to 59 years. A total of 62.3% were obese, 49.1% were smokers, and regarding spermatozoa concentration, 35.8% had normozoospermia, 37.7% had oligozoospermia, and 22.6% had azoospermia.

Conclusion

There is a significant relationship between age and smoking with male infertility. There is no significant relationship between obesity and spermatozoa concentration in infertile men.

Bibliography :54(2004-2024)

Keywords : Male infertility, Infertility risk factors, Sperm concentration