

# Korelasi antara gula darah puasa, disfungsi ereksi, dan lower urinary tract symptoms (LUTS) pada pasien dengan pembesaran prostat jinak = Correlation between fasting glucose level erectile dysfunction and lower urinary tract symptoms (LUTS) in patients diagnosed with benign prostatic hyperplasia

Tommie Prasetyo Utomo Wiharto, author

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## Abstrak

Tujuan Mengetahui hubungan antara nilai glukosa darah puasa, disfungsi ereksi DE, dan lower urinary tract symptoms LUTS pada pasien dengan pembesaran prostate jinak. Metode Terdapat 42 pasien berusia lebih dari 50 tahun dengan pembesaran prostat jinak. LUTS dan DE dievaluasi dengan menggunakan International Prostate Symptom Score IPSS and International Index of Erectile Function-5 IIEF-5. Diabetes mellitus ditegakkan jika gula darah puasa lebih dari 126 mg/dL. LUTS dikategorikan menjadi 3 grup; ringan, sedang, dan berat dimana DE dikategorikan menjadi 2; positif dan negative. Semua data dianalisa menggunakan SPSS ver. 22. Hasil Usia rata-rata pasien adalah 68,83 8,56 tahun dengan mayoritas menderita DE 83.33 dan LUTS 80.96. Diabetes mellitus ditemukan pada 26,19 pasien dengan rata-rata nilai gula darah puasa 108.3 21.1 mg/dL. Nilai IPSS didapati berhubungan signifikan dengan nilai gula darah puasa  $r = 0.879$ ,  $p$

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Aims To discover the correlation between fasting glucose level, erectile dysfunction, and lower urinary tract symptoms LUTS in patients diagnosed with benign prostatic hyperplasia BPH .Methods There were 42 patients with BPH related LUTS aged over 50 years old enrolled in this study. LUTS and erectile dysfunction ED were evaluated using International Prostate Symptom Score IPSS and International Index of Erectile Function 5 IIEF 5 . Diabetes mellitus was established if fasting glucose level was above 126 mg dL. LUTS was classified into 3 groups mild, moderate, and severe LUTS while ED was classified into 2 groups ED positive and ED negative. Data were analyzed using SPSS ver. 22 Results Patients rsquo mean age was 68.83 8.56 years old with most of them had ED 83.33 and also suffered from severe LUTS 80.96 . Diabetes mellitus was observed in 26.19 subjects with mean fasting glucose level was 108.3 21.1 mg dL. IPSS score were significantly correlated with fasting glucose level  $r 0.879$ ,  $p$