

# Hubungan antara derajat trabekulasi dan volume kandung kemih dengan gejala saluran kemih bawah pasca reseksi prostat transuretra di RSUP Haji Adam Malik Medan = Correlation between trabeculation grade and bladder volume with lower urinary tract symptoms after transurethral resection of the prostate in benign prostate hyperplasia patients at Haji Adam Malik Hospital Medan

Aditya Pramaviri, author

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## Abstrak

Gejala saluran kemih bawah LUTS pada laki laki seringkali dikaitkan dengan pembesaran prostat jinak BPH yang menyebabkan obstruksi infravesika yang sering diikuti oleh trabekulasi sehingga terjadi gangguan fungsi kandung kemih Reseksi prostat transuretra TURP adalah tindak baku emas yang bertujuan untuk menghilangkan obstruksi ini Namun gejala LUTS masih banyak dikeluhkan setelah dilakukan TURP Penelitian cross sectional ini dilakukan untuk mencari hubungan antara gejala LUTS pasca TURP dengan derajat trabekulasi dan volume kandung kemih di RSUP H Adam Malik Medan Selama tahun 2013 didapatkan 39 pasien BPH rata rata umur 68 36 7 638 tahun dengan retensi urin berulang yang dilakukan tindakan TURP Dari keseluruhan sampel kelompok yang terbanyak ditemukan adalah derajat trabekulasi sedang 35 9 dan volume kandung kemih 200 cc 46 2 Dua puluh dua sampel 56 4 mengeluhkan LUTS ringan dengan rerata IPSS total 6 28 3 986 Derajat trabekulasi dan volume mempunyai korelasi positif kuat 0 661 dan 0 723 p value.

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Lower urinary tract symptoms LUTS in older male is often associated with benign prostate hyperplasia BPH and caused bladder outlet obstruction BOO with the consequential trabeculation that impair bladder contractility and viscoelasticity Transurethral resection of the prostate TURP is the gold standard for relieving BPH caused BOO Nevertheless many still complained of persisting symptoms even after undergoing TURP This cross sectional study was conducted to analyze the correlation between bladder volume and trabeculation in determining LUTS after TURP in BPH patient In 2013 bladder trabeculation and volume was measured during TURP from 39 BPH patients with recurrent urinary retention and were re evaluated 6 months after The most common findings were moderate trabeculation 35 9 bladder volume 200cc 46 2 and mild degree LUTS 56 4 after TURP with mean IPSS 6 28 3 986 Bladder trabeculation and volume are positively and strongly correlated with LUTS after TURP 0 661 and 0 723 respectively p value 0 01 Analytical linear regression found that these two variables are significant factors in determining LUTS after TURP with positive predictive value of 62 In conclusion bladder trabeculation and volume had strong significant correlation with LUTS after TURP although there are other possible determining factors that are not included in the study