

Hubungan antara protusi prostat intrabuli, volume total prostatt, volume zona transisional, indeks zona transisional dengan derajat obstruksi pada penderita prostat jinak = Correlation between intravesical prostatic protrusion, prostate volume, transition zone volume and transition zone index with severity of clinical symptom benign prostatic hyperplasia

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Abstrak

OBJECTIVE: To determine if Intravesical prostatic protrusion (IPP), total prostate volume, transition zone volume and transition zone index is correlated with the severity of clinical benign prostatic hyperplasia.

PATIENTS AND METHODS: From January to May 2005, 56 patients with symptom of BPH were enrolled in this study. All patients were requested to undergo urofiowmetry, postvoid residual urine measurement and international Prostate Symptom Score (IPSS). TRUS was used to calculate the total prostate volume, transition zone (ZT) volume and the transition zone index (TZ index = TZ volume/total prostate volume). And IPP was measured by transabdominal ultrasonography.

RESULT: There were a significant correlation between IPSS and post void residual with total prostate volume, transition zone, transition zone index and intravesical prostatic protrusion. Only transition zone and transition zone index were significant correlation with Q max. Strongest correlation in IPSS and postvoid residual was transition zone (ZT) volume ($r = 0.480$ and $r = 0.621$) in Q max was transition zone index ($r = 0.508$).

CONCLUSION : From this study there were correlation between intravesical prostatic protrusion, prostate volume, transition zone volume and transition zone index however the correlation is weak.