

Penilaian perubahan urin maksimal (q max) pada penderita striktur uretra setelah kateter uretra dilepas dan tiga minggu pasca uretrotomi interna

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Abstrak

TUJUAN

Menilai perubahan pancaran urin maksimal (Amax) pada penderita striktur uretra setelah uretrotomi interna dan hubungannya dengan letak dan panjang striktur uretra.

BAHAN DAN CARA

Penelitian ini dilakukan secara deskriptif korelatif (cross-sectional study). Penelitian ini dilakukan dengan pemeriksaan Q max pada penderita striktur uretra setelah kateter uretra dilepas dan tiga minggu pasca uretrotomi intema di poliklinik bagian bedah urologi RSVP Dr. Hasan Sadikin Bandung selama periode Desember 2001-November 2002. Dilakukan analisa statistik dengan uji Mann-Whitney.

HASIL PENELITIAN

Didapatkan 61 penderita striktur uretra pasca uretrotomi intema dengan 41 penderita (67,2%) panjang striktur uretra ≤ 2 cm dan 47 penderita (77%) striktur uretra anterior.

Q max

Setelah Kateter Uretra Dilepas Q max

Tiga Minggu Setelah Uretrotomi Interna

Panjang Striktur < 10 ml/s ≥10 ml/s < 10 ml/s ≥10 ml/s

< 2cm 12,2 % 87,8 % 48,7 % 51,3 %

> 2cm 35% 65% 75% 25%

Letak Striktur

Anterior 19,1 % 80,9 % 55,6 % 44,4 %

Posterior 21,4 % 78,6 % 71,4 % 28,6 %

Pada analisa statistik dengan uji Mann-Whitney didapatkan hubungan yang bermakna antara panjang striktur uretra dengan pancaran urin maksimal { $p = 0,012$) dan hubungan yang tak bermakna antara letak striktur uretra dengan pancaran urin maksimal.

KESIMPULAN

Perubahan Q max pasca uretrotomi interna dipengaruhi oleh panjang striktur uretra dan tidak dipengaruhi oleh letak striktur uretra.

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OBJECTIVES

The aim of this study is to assess the changes in Q max of patients with urethral stricture after internal urethrotomy regarding the correlation with the location and the length of the stricture.

METHODS

A prospective cross-sectional observation was conducted to evaluate the correlation between Q max and the length as well as the location of stricture. The Q max obtained after urethral catheter removal were compared to the Q max three weeks after the procedures. The length and the locations of the stricture were evaluated using retrograde as well as antegrade uretrography. The study was conducted in OPD of Hasan Sadikin Hospital Bandung between December 2001 - November 2002. Statistical analysis used was Mann-Whitney test.

RESULTS

Fourty-one patients (67.2%) out of 61 patients with urethral stricture underwent internal urethrotomy have a stricture ≤ 2 cm in length while 47 patients (77%) have a stricture in the anterior part of the urethra

Q max

After urethral Catheter Removal

Removal Q max

Three Weeks After Interna

Length of stricture < 10 ml/s ≥10 ml/s < 10 ml/s ≥10 ml/s

≤ 2cm 12,2 % 87,8 % 48,7 % 51,3 %

> 2cm 35% 65% 75% 25%

Location of Stricture

Anterior 19,1 % 80,9 % 55,6 % 44,4 %

Posterior 21,4 % 78,6 % 71,4 % 28,6 %

There is a significant correlation between the length of the stricture and Q max ($p = 0.012$) but the correlation between the location of the stricture and Q max is not significant.

CONCLUSIONS

The changes of Q max after internal urethrotomy are influenced by the length of the stricture but not by the location of the stricture.