

THE EFFECT OF TAMSULOSIN 0.2MG IN PATIENTS WITH CHRONIC PELVIC PAIN SYNDROME : MULTICENTER, RANDOMIZED, PROSPECTIVE STUDY

Purpose : The Effect of alpha blocker reportedly was influenced by proper medication period in patients with chronic pelvic pain syndrome (CPPS). There are several reports that tamsulosin show lesser effects than other alpha blockers in patients with CPPS. So, we wished to recognize the therapeutic effect of tamsulosin 0.2mg administration for enough period in patients with CPPS.

Materials and methods : We evaluated 100 patients diagnosed with CPPS who took tamsulosin 0.2mg for 12 weeks. We divided them into three groups (group A; only administration of tamsulosin 0.2mg), group B (tamsulosin 0.2mg + NSAIDs), group C (tamsulosin 0.2mg + antibiotics). After washout period (2weeks), we compared to CPPS symptom score (NIH-CPSI), International Prostate Symptom Score (IPSS) and Uroflowmetry among 3 groups each 4 weeks. Mean age was 45.7±8.5 years (A group), 46.57±9.1 years (B group), 46.1±8.6 years (C group), and mean prostate size was 30.1±6.0cc, 29.7±6.3cc, 28.37±4.8cc, mean PSA level was 1.0±0.5, 0.9±0.65, 1.0±0.5ng/ml, respectively.

Results : Table 1. Changes of NIH-CPSI and IPSS after tamsulosin administration

NIH-CPSI	Baseline				3 month later				p-value
	total	pain domain	voiding domain	QoL domain	total	pain domain	voiding domain	QoL domain	
Group A	23.6±5.5	11.4±3.9	4.2±2.0	8.1±2.3	8.6±4.1	4.0±3.2	1.6±1.5	3±1.98	<0.05
Group B	23.9±5.9	11.6±3.5	4.0±2.1	7.9±2.6	7.7±4.9	3.4±2.7	1.5±1.2	2.81±1.75	<0.05
Group C	23.17±5.5	10.9±4.0	3.7±1.5	8.5±2.1	8.1±4.2	3.7±2.8	1.7±1.0	2.8±1.5	<0.05

IPSS	Baseline				3 month later				p-value
	total	voiding domain	Storage domain	QoL domain	total	voiding domain	Storage domain	QoL domain	
Group A	14.3±6.21	4.9±3.1	9.4±3.8	4.0±0.7	7.2±3.8	2.7±2.0	4.5±2.4	2.1±0.6	<0.05
Group B	13.3±6.6	4.9±3.8	8.4±4.3	4.0±0.9	5.9±3.4	2.1±1.7	3.8±2.3	1.9±0.7	<0.05
Group C	12.4±5.4	3.7±2.8	8.7±3.3	3.8±0.7	6.1±3.6	1.8±1.5	4.3±2.5	1.7±0.6	<0.05

Table 2. Statistical data among 3 groups in each domain of NIH-CPSI and IPSS after administration

ANOVA test	NIH-CPSI at 3 month				IPSS at 3 month			
	total	pain domain	voiding domain	QoL domain	total	voiding domain	Storage domain	QoL domain
Group A vs B	0.77	0.80	0.96	0.96	0.35	0.46	0.56	0.35
Group A vs C	0.95	0.97	0.99	0.91	0.59	0.12	1.00	0.01
Group B vs C	0.97	0.97	0.84	0.99	1.00	1.00	1.00	0.63

Conclusions : There was no difference between three groups in NIH-CPSI and IPSS domain except QoL domain in IPSS statistically. So, we suggest only tamsulosin 0.2mg administration for 12 weeks is effective in CPPS management

<i>Specify source of funding or grant</i>	No Funding
<i>Is this a clinical trial?</i>	Yes
<i>Is this study registered in a public clinical trials registry?</i>	No
<i>Is this a Randomised Controlled Trial (RCT)?</i>	Yes
<i>What were the subjects in the study?</i>	HUMAN
<i>Was this study approved by an ethics committee?</i>	Yes
<i>Specify Name of Ethics Committee</i>	Dong-A university hospital Ethics Committee
<i>Was the Declaration of Helsinki followed?</i>	Yes
<i>Was informed consent obtained from the patients?</i>	Yes