

#349 Tadalafil treatment might potentially be effective for BPH patients with metabolic syndrome.

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Patients

The BPH patients who received tadalafil treatment from January 2018 to December 2022 in our institution were enrolled in the study.

Examining the time of treatment change for evaluating the efficacy of tadalafil therapy.

Items for evaluation

BMI, diabetes, hypertension, dyslipidemia

Start Tadalafil

Treatment change

Definition of treatment change

Additions or changes of anticholinergic agent, cholinergic agent, beta-3 adrenergic agonists, 5 alpha reductase inhibitors and surgical treatment.

RESULTS

Patients Background

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Number of Patients	102	IPSS at start of tadalafil	Uroflowmetry at start of tadalafil		
Age	71.00 (44.00-89.00)	Total	15.00 (3.00-33.00)	Qmax (mL/sec)	13.70 (3.90-24.30)
BMI	23.61 (15.70-35.60)	Incomplete emptying	2.00 (0.00-5.00)	Qave (mL/sec)	5.45 (2.10-11.50)
<20	19	Frequency	3.00 (0.00-5.00)	Voided Volume (mL)	179.00 (43.00-566.00)
≧20	83	Intermittency	2.00 (0.00-5.00)	Residual urine (mL)	35.00 (0.00-300.00)
Lifestyle Diseases		Urgency	2.00 (0.00-5.00)	Prostatic Volume	
Hypertension	47	Weak stream	4.00 (0.00-5.00)	Total (mL)	31.85 (7.70-101.00)
Diabetes	23	Straining	2.00 (0.00-5.00)	Adenoma (mL)	19.00 (2.00-67.20)
Dyslipidemia	15	Nocturia	2.00 (0.00-5.00)		
		QOL score	5.00 (1.00-6.00)		

Result 1. BMI

Result 2. Hypertension

Result 3. Diabetes

Result 4. Dyslipidemia







Tadalafil was more effective in patients with multiple risk factors

The existence of HT tended to be a factor in tadalafil response

Why did tadalafil demonstrate better performance in patients with lifestyle diseases?

Patients with lifestyle diseases more likely have arteriosclerosis П

Patients with lifestyle diseases more likely have worse pelvic blood flow

Tadalafil has the effect of improving pelvic blood flow

Patients with lifestyle diseases would receive the effect of improving pelvic blood flow more intensely

The existence of DM tended to be a factor in tadalafil response

The existence of DL tended to be a factor in tadalafil response

month

CONCLUSIONS

Tadalafil would be more effective in patients with lifestyle diseases.

Limitation

- 1. This was a retrospective study
- 2. small number of patients
- 3. We did not evaluate the effect of tadalafil by the subjective or objective clinical parameters, such as IPSS, OABSS, UFM and PFS.

Disclosure Statement We have no COI concerning the present study.