

($P < 0.05$). ESWT can promote proliferation of endothelial cells in corpus cavernosum. The result was significantly higher in the ESWT group than in the DMED group ($P < 0.05$). ESWT can improve cell metabolism in vivo. The expression of mitochondrial membrane proteins is higher in the ESWT group than in the DMED group ($P < 0.05$). And the lactate concentration is higher in the ESWT group than in the DMED group ($P < 0.05$).

Conclusions: There was a metabolic coupling between oxidative phosphorylation and anaerobic glycolysis of cells in the corpus cavernosum. And after ESWT there were a lot of lactic acid produced by anaerobic glycolysis of endothelial cells taking part in the tricarboxylic acid cycle of cells in corpus cavernosum, which could generate a great deal of energy to support growth and proliferation.

Keywords: Defocused low-energy shock wave; erectile dysfunction

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AB099. Improvement of persistent detrusor overactivity after relief of bladder outlet obstruction treated by phytotherapeutic agent

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Background: Many patients with benign prostatic hyperplasia need treatment for remaining storage symptoms after surgery. Therefore, we evaluated the effect of plant

combination on persistent detrusor overactivity (DO) after relief of bladder outlet obstruction (BOO).

Methods: Rats were assigned as three groups: control ($n=6$), persistent DO ($n=6$), and persistent DO treated with the plant combination ($n=6$) groups. Persistent DO after relief of partial BOO was made and 6 of them were orally administered with the plant combination.

Results: After 4-week treatment with the plant combination, significantly reduced DO by cystometry was observed compared with persistent DO group. Moreover, oxidative stress, pro-inflammatory cytokines, and M3 muscarinic receptor were significantly increased. Additionally, significantly decreased oxidative stress, pro-inflammatory cytokines, and M3 muscarinic receptor in the bladder were observed after treatment with the plant combination.

Conclusions: Treatment with the plant combination improves persistent DO after relief of BOO mediated by antioxidative and anti-inflammatory effect. Further study is necessary to identify exact mechanism of treatment effect of the plant combination.

Keywords: Detrusor overactivity (DO); bladder outlet obstruction (BOO); phytotherapy

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AB100. The gold standard of erectile function assessment— intracavernosal pressure detection: How to anesthetize?

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