

Accepted Manuscript



Metabolic syndrome and benign prostatic Hyperplasia: An update

Ho-Yin Ngai, Kar-Kei Steffi Yuen, Chi-Man Ng, Cheung-Hing Cheng, Sau-Kwan Peggy Chu

PII: S2214-3882(17)30048-6

DOI: [10.1016/j.ajur.2017.05.001](https://doi.org/10.1016/j.ajur.2017.05.001)

Reference: AJUR 168

To appear in: *Asian Journal of Urology*

Received Date: 29 September 2016

Revised Date: 12 December 2016

Accepted Date: 15 December 2016

Please cite this article as: Ngai H-Y, Steffi Yuen K-K, Ng C-M, Cheng C-H, Peggy Chu S-K, Metabolic syndrome and benign prostatic Hyperplasia: An update, *Asian Journal of Urology* (2017), doi: 10.1016/j.ajur.2017.05.001.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Review

Metabolic syndrome and benign prostatic Hyperplasia: An update

Ho-Yin Ngai^a, Kar-Kei Steffi Yuen^a, Chi-Man Ng^a, Cheung-Hing Cheng^b, Sau-Kwan Peggy Chu^b

^aDivision of Urology, Department of Surgery, Queen Elizabeth Hospital, Hong Kong

^bDivision of Urology, Department of Surgery, TuenMun Hospital, Hong Kong

Corresponding author: Ho-Yin Ngai

Email: ngaiho@ha.org.hk

Received 29 September 2017; received in revised form 12 December 2017; accepted 15 December 2017

Abstract:

Metabolic syndrome (MetS) is a cluster of metabolic abnormalities related to central adiposity and insulin resistance. Its importance is increasingly recognized as it associates with increased risks of metabolic and cardiovascular diseases. These metabolic aberrations of MetS may lead to development of benign prostatic hyperplasia (BPH) and lower urinary tract symptoms (LUTS) in men. A 26.5% to 55.6% prevalence of MetS in men with LUTS was reported in worldwide studies. Although the exact biological pathway is not clear yet, insulin resistance, increased visceral adiposity, sex hormone alterations and cellular inflammatory reactions played significant roles in the related pathophysiological processes. Clinician should recognize the cardiovascular and metabolic impacts of MetS in men with LUTS, early risk factors optimization and use of appropriate medical therapy may possibly alter or slower the progression of LUTS/BPH, and potentially avoid unnecessary morbidities and mortalities from cardiovascular and metabolic diseases for those men.

Keywords: Inflammation; Insulin resistance; Lower urinary tract symptoms; Metabolic syndrome X; Prostatic hyperplasia

Download English Version:

<https://daneshyari.com/en/article/5685888>

Download Persian Version:

<https://daneshyari.com/article/5685888>

[Daneshyari.com](https://daneshyari.com)