

# Accepted Manuscript



Cardiovascular risks of exogenous testosterone use among men: A systematic review and meta-analysis

G. Caleb Alexander, MD, MS, Geetha Iyer, MBBS, Eleanor Lucas, BA, Dora Lin, MHS, Sonal Singh, MD

PII: S0002-9343(16)31024-5

DOI: [10.1016/j.amjmed.2016.09.017](https://doi.org/10.1016/j.amjmed.2016.09.017)

Reference: AJM 13734

To appear in: *The American Journal of Medicine*

Received Date: 25 July 2016

Revised Date: 20 September 2016

Accepted Date: 20 September 2016

Please cite this article as: Alexander GC, Iyer G, Lucas E, Lin D, Singh S, Cardiovascular risks of exogenous testosterone use among men: A systematic review and meta-analysis, *The American Journal of Medicine* (2016), doi: 10.1016/j.amjmed.2016.09.017.

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.

ALEXANDER. UNDER REVIEW. DO NOT CITE OR CIRCULATE.

## CARDIOVASCULAR RISKS OF EXOGENOUS TESTOSTERONE USE AMONG MEN: A SYSTEMATIC REVIEW AND META-ANALYSIS

G. Caleb Alexander, MD, MS<sup>1-3</sup>  
Geetha Iyer, MBBS<sup>1,2</sup>  
Eleanor Lucas, BA<sup>1,2</sup>  
Dora Lin, MHS<sup>1,2</sup>  
Sonal Singh, MD<sup>2,3</sup>

1. Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland
2. Center for Drug Safety and Effectiveness, Johns Hopkins University, Baltimore, Maryland
3. Division of General Internal Medicine, Department of Medicine, Johns Hopkins Medicine, Baltimore, Maryland

### Support

This work was supported in part by the Johns Hopkins Center of Excellence in Regulatory Science and Innovation (1 U01 FD004977-02). This funding source had no role in the design and conduct of the study, analysis or interpretation of the data; and preparation or final approval of the manuscript prior to publication.

### Conflict of Interest

Dr. Alexander is Chair of the FDA's Peripheral and Central Nervous System Advisory Committee, serves as a paid consultant to a mobile start-up PainNavigator, serves as a consultant to IMS Health, and serves on an IMS Health scientific advisory board. This arrangement has been reviewed and approved by Johns Hopkins University in accordance with its conflict of interest policies. Dr Singh has served as an expert witness for plaintiffs against Pfizer and as a consultant for Eli Lilly, in both cases for products unrelated to those examined herein. The authors have no other conflicts of interest.

### Correspondence

G. Caleb Alexander, MD, MS  
Johns Hopkins Bloomberg School of Public Health  
Department of Epidemiology  
615 N. Wolfe Street W6035  
Baltimore, MD 21205  
Phone: 410 955 8168; Fax: 410 955 0863  
Email: galexan9@jhmi.edu

### Length and word count

Abstract 287 words; Text 3353 words; References 73; Tables 2; Figures 2

### Running title

Cardiovascular risks of testosterone

### Keywords

Exogenous testosterone, systematic review, meta-analysis, cardiovascular risks

Download English Version:

<https://daneshyari.com/en/article/5576337>

Download Persian Version:

<https://daneshyari.com/article/5576337>

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