

Scientific References

1) Testosterone - What It Does And Doesn't Do.

<https://www.health.harvard.edu/medications/testosterone--what-it-does-and-doesnt-do>

2) Adverse effects of testosterone replacement therapy: an update on the evidence and controversy - Anthony Grech, John Breck, Joel Heidelbaug. Ther Adv Drug Saf. 2014 Oct

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4212439/>

3) The Relationship between Testosterone Deficiency and Men's Health - Akira Tsujimura. World J Mens Health. 2013 Aug

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3770847/>

4) FDA warns about blood clot risk with testosterone products

<https://www.health.harvard.edu/blog/fda-warns-blood-clot-risk-testosterone-products-201406247240>

5) Hunza - a healthy and a long living people - Todor Vlahchev, Zoran Zhivkov. Asklepii 2002

<https://pubmed.ncbi.nlm.nih.gov/16060041/>

6) Testosterone levels show steady decrease among young US men - Kristie L. Kahl. Urology Times Journal, Vol 48 No 7

<https://www.urologytimes.com/view/testosterone-levels-show-steady-decrease-among-young-us-men>

7) 2D:4D Suggests a Role of Prenatal Testosterone in Gender Dysphoria - Mostafa Sadr, Behzad S Khorashad, Ali Talaei, Nasrin Fazeli. Arch Sex Behav 2020 Feb

<https://pubmed.ncbi.nlm.nih.gov/31975034/>

8) Endocrine Disrupting Chemicals and Reproductive Health in Boys and Men - WiwatRodprasert, JormaToppari and Helena E. Virtanen. Front. Endocrinol., 07 October 2021

<https://www.frontiersin.org/articles/10.3389/fendo.2021.706532/full>

9) Testosterone and Endocrine Disruptors: Influence of Endocrine Disruptors on Male Reproductive Tract - Eveline Fontenele, Rosana Quezado&Tânia Sanchez Bachega. Testosterone pp 353–374. First Online:01 April 2017

https://link.springer.com/chapter/10.1007/978-3-319-46086-4_18

10) Study links BPA in plastics to erectile dysfunction - Ray Hainer. Health.com

<https://edition.cnn.com/2009/HEALTH/11/11/bpa.erecile.dysfunction/>

11) Nothing Boring About Boron - Lara Pizzorno. Integr Med (Encinitas). 2015 Aug

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4712861/>

12) Comparative effects of daily and weekly boron supplementation on plasma steroid hormones and proinflammatory cytokines - Mohammad Reza Naghii, Mahmoud Mofid, Ali Reza Asgari, Mehdi Hedayati. J Trace Elem Med Biol 2011 Jan

<https://pubmed.ncbi.nlm.nih.gov/21129941/>

13) A Randomized, Double-Blind, Placebo-Controlled, Crossover Study Examining the Hormonal and Vitality Effects of Ashwagandha (Withaniasomnifera) in Aging, Overweight Males - Adrian L. Lopresti, Peter D. Drummond, and Stephen J. Smith. Am J Mens Health. 2019 Mar-Apr

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6438434/>

14) Ashwagandha and testosterone: the science behind the link - Mike Bohl, MD, MPH, ALM. RO Sep 01, 2021

<https://ro.co/health-guide/ashwagandha-testosterone/>

15) Review on a Traditional Herbal Medicine, Eurycoma longifolia Jack (Tongkat Ali) - Shaheed Ur Rehman, Kevin Choe, and Hye Hyun Yoo. Molecules. 2016 Mar

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6274257/>

16) Eurycoma longifolia Jack in managing idiopathic male infertility - Mohd Ismail Bin MohdTambi, M. Kamarul Imran. Asian J Androl. 2010 May

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3739276/>

17) Effect of Tongkat Ali on stress hormones and psychological mood state in moderately stressed subjects - Shawn M Talbott, Julie A Talbott, Annie George. J Int Soc Sports Nutr. 2013

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3669033/>

18) Beneficial effects of fenugreek glycoside supplementation in male subjects during resistance training - Sachin Wankhede, Vishwaraman Mohan, Prasad Thakurdesai. J Sport Health Sci. 2016 Jun

<https://pubmed.ncbi.nlm.nih.gov/30356905/>

19) Effect of fenugreek extract supplement on testosterone levels in male: A meta-analysis of clinical trials - Anahita Mansoori, Seyed Ahmad Hosseini, MarzieZilae. February 2020Phytotherapy Research

<https://pubmed.ncbi.nlm.nih.gov/32048383/>

20) Ginseng and male reproductive function - Kar Wah Leung and Alice ST Wong. Spermatogenesis. 2013 Jul 1

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3861174/>

21) Effect of Panax Ginseng on Testosterone Level and Prostate in Male Rats – MS Fahim, Z. Fahim, JM Harman. Archives of Andrology Volume 8, 1982 - Issue 4

<https://pubmed.ncbi.nlm.nih.gov/7202345/>

22) Effect of Lepidium meyenii (MACA) on sexual desire and its absent relationship with serum testosterone levels in adult healthy men - G F Gonzales 1 , A Córdova, K Vega, A Chung. Andrologia 2002 Dec

<https://pubmed.ncbi.nlm.nih.gov/12472620/>

23) 4 maca benefits backed by science - Chimene Richa, MD

<https://ro.co/health-guide/benefits-of-maca/>

24) Effects of artichoke extract supplementation on gonads of cadmium-treated rats - Ebru Gurel, Metin Caner, Levent Bayraktar. Biol Trace Elem Res 2007 Oct

<https://pubmed.ncbi.nlm.nih.gov/17914219/>

25) Pharmacological Studies of Artichoke Leaf Extract and Their Health Benefits - Maryem Ben Salem, Hanen Affes, Kamilia Ksouda. Plant Foods Hum Nutr 2015 Dec

26) The Effects of a Multi-Ingredient Performance Supplement on Hormonal Profiles and Body Composition in Male College Athletes - Matthew H. Sharp, Kevin A. Shields, Jacob T. Rauch. Sports (Basel). 2016 Jun

<https://pubmed.ncbi.nlm.nih.gov/29910274/>

27) Ameliorative effects of stinging nettle (*Urtica dioica*) on testosterone - A Nahata, V K Dixit. Andrologia 2012 May

<https://pubmed.ncbi.nlm.nih.gov/21806658/>

28) An extract of *Urtica dioica* L. mitigates obesity induced insulin resistance in mice skeletal muscle via protein phosphatase 2A - Diana N Obanda, David Ribnicky, Yongmei Yu. Sci Rep. 2016 Feb 26

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4768183/>

29) Effect of vitamin D supplementation on testosterone levels in men - S Pilz, S Frisch, H Koertke, J Kuhn, J Dreier. Horm Metab Res. 2011 Mar

<https://pubmed.ncbi.nlm.nih.gov/21154195/>

30) Zinc status and serum testosterone levels of healthy adults - A S Prasad. C.S Mantzoros, F W Beck. Nutrition 1996 May

<https://pubmed.ncbi.nlm.nih.gov/8875519/>

31) Effects of magnesium supplementation on testosterone levels of athletes and sedentary subjects at rest and after exhaustion. Vedat Cinar, Yahya Polat, Abdulkirim Kasim Baltaci, Rasim Mogulkoc. Biol Trace Elem Res 2011 Apr

<https://pubmed.ncbi.nlm.nih.gov/20352370/>

32) Is endothelial function impaired in erectile dysfunction patients? C Kaya, Z Uslu, I Karaman - Int J Impot Res. 2006 Jan

<https://pubmed.ncbi.nlm.nih.gov/16049523/>

33) Androgen Insufficiency in Men

<https://www.bumc.bu.edu/sexualmedicine/patientinformation-physicians/androgen-insufficiency-in-men/>

34) Endocrine Disruptors Acting on Estrogen and Androgen Pathways Cause Reproductive Disorders - Saira Amir, Syed Tahir Abbas Shah - nt J Environ Res Public Health. 2021 Feb

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7913912/>

35) Impact of androgen deprivation therapy on sexual function - Clarisse R Mazzola, John P Mulhall - Asian J Androl v.14(2); 2012 Mar

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3735098/>

36) Levels of prolactin and testosterone and associated sexual dysfunction and breast abnormalities in men – Brianne Redman, Chris Kitchen, Kirk W. Johnson - Journal of Psychiatric Research Vol. 143, November 2021

<https://www.sciencedirect.com/science/article/pii/S0022395621005215>

37) One patient out of four with newly diagnosed erectile dysfunction is a young man - Paolo Capogrosso, Michele Colicchia, Eugenio Ventimiglia - J Sex Med. 2013 Jul

<https://pubmed.ncbi.nlm.nih.gov/23651423/>

38) Boron Citrate: What is It and Why Use It?

<https://craftmedical.com/blog/boron-citrate-what-is-it-and-why-use-it/>

39) Induction of nitric oxide synthase expression by *Withania somnifera* in macrophages - Teresa Luvone, Giuseppe Esposito, Francesco Capasso - Life Sci. 2003 Feb 21

<https://pubmed.ncbi.nlm.nih.gov/12551750/>

40) Evaluate the effect of *Eurycoma longifolia* (Tongkat Ali) and concurrent training on erectile function - Alice Erwig Leitão, Melissa Carvalho de Souza Vieira - Maturitas. 2021 Mar

<https://pubmed.ncbi.nlm.nih.gov/33541567/>

41) Efficacy of Tongkat Ali (*Eurycoma longifolia*) on erectile function improvement - Surachai Kotirum, Shaiful Bahari Ismail - Complement Ther Med. 2015 Oct

<https://pubmed.ncbi.nlm.nih.gov/26365449/>

42) Red ginseng for treating erectile dysfunction - Dai-Ja Jang, Myeong Soo Lee, Byung-Cheul Shin - Br J Clin Pharmacol. 2008 Oct

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2561113/>

43) Effectiveness of Ginseng in Treating Erectile Dysfunction - Amy Ting Shy Yee, Lee Tiong Chan

<https://www.scirp.org/journal/paperinformation.aspx?paperid=112894>

44) Maca extract on well-being and sexual performances in patients with mild erectile dysfunction - T Zenico, A F G Cicero, L Valmorri - Andrologia. 2009 Apr

<https://pubmed.ncbi.nlm.nih.gov/19260845/>

45) Erectile Dysfunction is helped by Pygeum Bark Extract

<https://doctorherdmanclinic.com/resources/articles/mens-health/erectile-dysfunction-pygeum-bark-extract/>

46) Vitamin D and Male Erectile Function - Onder Canguven, Ahmad H. Al Malki - World J Mens Health. 2021 Jan

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7752519/>

47) Does vitamin D deficiency contribute to erectile dysfunction? Marc Sorenson, William B. Grant - Dermatoendocrinol. 2012 Apr 1

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3427191/>

48) Endothelial Dysfunction Can Cause Erectile Dysfunction - Eliyahu Kresch, Justin Achua, Russell Saltzman - World J Mens Health. 2021 Jul

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8255400/>

49) Efficacy and Safety of Ashwagandha (*Withania somnifera*) Root Extract in Improving Sexual Function - Swati Dongre, Deepak Langade - Biomed Res Int. 2015

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4609357/>

50) *Eurycoma longifolia* Jack (Tongkat Ali): Its Traditional Uses, Chemistry, Evidence-Based Pharmacology and Toxicology - Shaheed Ur Rehman, Kevin Choe - Molecules. 2016 Mar

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6274257/>

51) Testofen, a specialised Trigonella foenum-graecum seed extract reduces age-related symptoms of androgen decrease, increases testosterone levels and improves sexual function in healthy aging males - Amanda Rao, Elizabeth Steels, Warrick J Inder - Aging Male. 2016 Jun

<https://pubmed.ncbi.nlm.nih.gov/26791805/>

52) Effects of Korean ginseng berry extract on sexual function in men with erectile dysfunction - YD Choi, CW Park, J Jang, H Kim - International Journal of Impotence Research volume 25, pages 45–50 (2013)

<https://www.nature.com/articles/ijir201245>

53) A Double-Blind, Randomized, Pilot Dose-Finding Study of Maca Root (L. Meyenii) for the Management of SSRI-Induced Sexual Dysfunction - Christina M. Dording, Lauren Fisher, George Papakostas - CNS Neurosci Ther. 2008 Fall

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6494062/>

54) Chronic kidney disease and erectile dysfunction - Etsu Suzuki, Hiroaki Nishimatsu - World J Nephrol. 2014 Nov 6

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4220354/>

55) Toxic Chemicals Threaten Humanity's Ability to Reproduce

<https://theintercept.com/2021/01/24/toxic-chemicals-human-sexuality-shanna-swan/>

56) Temporal trends in sperm count: a systematic review and meta-regression analysis - H. Levine, N. Jørgensen, A. Martino-Andrade - Human Reproduction Update, Volume 23, Issue 6

<https://academic.oup.com/humupd/article/23/6/646/4035689>

57) Association of Urinary Phthalate Metabolites With Erectile Dysfunction in Racial and Ethnic Groups - David S. Lopez, Shailesh Advani, Konstantinos K. Tsilidis - Am J Mens Health. 2017 May

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5675227/>