

REFERENCES

- Arumugham, V.B., & Shahin, M.H. (2023). 'Therapeutic Uses of Diuretic Agents'. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK557838/>
- Aschenbrenner, D. S., & Venable, S. J. (2012) 'Drug therapy in nursing', Philadelphia: *Wolters Kluwer Health/Lippincott Williams & Wilkins*, 4th ed, 385-524.
- Abosamak, N.E.R., & Shahin, M.H. (2023) 'Beta2 Receptor Agonists and Antagonists', In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing.* Available at: <https://www.ncbi.nlm.nih.gov/books/NBK559069/>
- Achmad, B. F., Alim, S., Kusumawati, H. I., Fitriawan, A. S., Kurniawan, D., & Kafil, R. F. (2022) 'Cardiovascular Disease Risk Profiles in Indonesian Athletes', *Open Access Macedonian Journal of Medical Sciences*, 10(A), 924–929. Available at: <https://doi.org/10.3889/oamjms.2022.9648>
- Ambardini, R.L., Kushartanti, W., Arovah, N.I., Rahayu, A., Yuniana, R. (2021) '*Buku Saku: Anti-Doping (Panduan bagi Atlet, Pelatih dan Praktisi Olahraga untuk Mencegah Doping)*', CV Mine. ISBN: 978-623-7550-82-2
- Ambrose, P. J., Tsourounis, C., Olander, R., & Uryasz, F. (2010) 'Characteristics of drug and dietary supplement inquiries by college athletes', *Sports health*, 2(1), 12–18. Available at: <https://doi.org/10.1177/1941738109347978>
- Athletics Integrity Unit. (2024) 'GLOBAL LIST OF INELIGIBLE PERSONS,' Last update: 1 February 2024. Available at: <https://www.athleticsintegrity.org/disciplinary-process/global-list-of-ineligible-persons>
- Badan POM. (2015) 'Pedoman Umum'. Available at: <http://pionas.pom.go.id/ioni/pedoman-umum>

- Badan POM. (2023) 'Profil BPOM'. Available at: <https://www.pom.go.id/profil>
- Bilard, J., Ninot, G., & Hauw, D. (2011) 'Motives for illicit use of doping substances among athletes calling a national antidoping phone-help service: an exploratory study', *Substance use & misuse*, 46(4), 359–367. Available at: <https://doi.org/10.3109/10826084.2010.502553>
- Bird, S. R., Goebel, C., Burke, L. M., & Greaves, R. F. (2016) 'Doping in sport and exercise: anabolic, ergogenic, health and clinical issues', *Annals of clinical biochemistry*, 53(Pt 2), 196–221. Available at: <https://doi.org/10.1177/0004563215609952>
- Brack, G., Penny, F., & Jill, C. (2013) 'Pharmaceutics and Routes of Drug Administration', *Oxford Publishing*. In: *Medicines management for nursing practice: Pharmacology, patient safety, and procedures*, 70-81, ISBN: 9780199697878. Available at: <https://doi.org/10.1093/oso/9780199697878.003.0010>
- Cadwallader, A. B., de la Torre, X., Tieri, A., & Botrè, F. (2010) 'The abuse of diuretics as performance-enhancing drugs and masking agents in sport doping: pharmacology, toxicology and analysis', *British journal of pharmacology*, 161(1), 1–16. Available at: <https://doi.org/10.1111/j.1476-5381.2010.00789.x>
- Chan, D. K. C., Tang, T. C. W., Yung, P. S., Gucciardi, D. F., & Hagger, M. S. (2019) 'Is unintentional doping real, or just an excuse?', *British journal of sports medicine*, 53(15), 978–979. Available at: <https://doi.org/10.1136/bjsports-2017-097614>
- Chu, B., Marwaha, K., Sanvictores, T., & Ayers, D. (2022) 'Physiology, Stress Reaction', In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK541120/>

- Cong, L. *et al.* (2020) 'Use of Cardiovascular Drugs for Primary and Secondary Prevention of Cardiovascular Disease Among Rural-Dwelling Older Chinese Adults', *Frontiers in pharmacology*, 11, 608136. Available at: <https://doi.org/10.3389/fphar.2020.608136>
- DepKes RI. (2007) 'Pedoman Penggunaan Obat Bebas dan Bebas Terbatas', Jakarta: Departemen Kesehatan RI. Available at: <https://farmalkes.kemkes.go.id/?p=3602>
- Drugbank Online. (2023) 'Database for Drug and Drug Target Info' Available at: <https://go.drugbank.com/>
- Ellison, D. H. (2019) 'Clinical Pharmacology in Diuretic Use', *Clinical journal of the American Society of Nephrology*: CJASN, 14(8), 1248–1257. Available at: <https://doi.org/10.2215/CJN.09630818>
- Ehrnborg, C., & Rosén, T. (2009) 'The psychology behind doping in sport', *Growth hormone & IGF research: official journal of the Growth Hormone Research Society and the International IGF Research Society*, 19(4), 285–287. Available at: <https://doi.org/10.1016/j.ghir.2009.04.003>
- Epstein, E.M., & Waseem, M. (2023). 'Crystalloid Fluids', In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK537326/>
- European Commission, Directorate-General for Education, Youth, Sport and Culture. (2018) 'Study on the economic impact of sport through sport satellite accounts', *Publications Office of the European Union*. Available at: <https://dx.doi.org/10.2766/963129>
- Farzam, K., & Jan, A. (2023) 'Beta Blockers', In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK532906/>

- Glaucoma Australia. (2017) 'Medicines Used in the Treatment of Glaucoma', Available at: <https://glaucoma.org.au/news-details/treatment/medicines-used-in-the-treatment-of-glaucoma>
- Goyal, N., Vohra, T., & Hurst, G. M. (2023) 'The Jackson 5 System for Creating Rank Order Lists: Easy as A-B-C, 1-2-3', *Journal of graduate medical education*, 15(3), 394–395. Available at: <https://doi.org/10.4300/JGME-D-22-00776.1>
- Greenbaum, D. H., McLachlan, A. J., Roubin, R. H., Moles, R., & Chaar, B. B. (2023) 'Examining pharmacists' anti-doping knowledge and skills in assisting athletes to avoid unintentional use of prohibited substances', *The International journal of pharmacy practice*, 31(3), 290–297. Available at: <https://doi.org/10.1093/ijpp/riad015>
- Hallare, J., & Gerriets, V. (2023) 'Half Life', In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing.* Available at: <https://www.ncbi.nlm.nih.gov/books/NBK554498/>
- Handelsman, D.J. (2020) 'Performance Enhancing Hormone Doping in Sport.', *Endotext [Internet]. South Dartmouth (MA): MDText.com, Inc.* Available at: <https://www.ncbi.nlm.nih.gov/books/NBK305894/>
- Hemmersbach, P. (2020) 'The Probenecid-story - A success in the fight against doping through out-of-competition testing', *Drug testing and analysis*, 12(5), 589–594. Available at: <https://doi.org/10.1002/dta.2727>
- Henney, J. E. (2001) 'Cyberpharmacies and the role of the US Food and Drug Administration', *Journal of medical Internet research*, 3(1), E3. Available at: <https://doi.org/10.2196/jmir.3.1.e3>
- Horde, G.W., & Gupta, V. (2023) 'Drug Clearance', In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing.* Available at: <https://www.ncbi.nlm.nih.gov/books/NBK557758/>

- IADO. (2023) 'Anti-Doping Case Disclosure'. Available at:
<https://iado.id/h/index.php/en/public-disclosure/>
- IADO. (2023) 'Exemption Process for Using Athlete / Therapeutic Use Exemption (TUE) – Indonesia Anti-Doping Organization (IADO)'. Available at:
<https://iado.id/h/index.php/id/tue-2/>
- Kemendes RI. (2022) 'Penyakit Jantung Penyebab Utama Kematian, Kemendes Perkuat Layanan Primer,' Available at:
<https://sehatnegeriku.kemkes.go.id/baca/rilis-media/20220929/0541166/penyakit-jantung-penyebab-utama-kematian-kemendes-perkuat-layanan-primer/>
- Kemendagri RI. (2023) 'Usulan RKA-K/L TA 2024 Kemendagri Disetujui Komisi X DPR RI, Mendagri Dito Ucapkan Terima Kasih,' Available at:
<https://www.kemendagri.go.id/detail/4210/usulan-rka-k-l-ta-2024-kemendagri-disetujui-komisi-x-dpr-ri-mendagri-dito-ucapkan-terima-kasih>
- Kim, J., & De Jesus, O. (2023) 'Medication Routes of Administration', In: *StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2023 Jan-*. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK568677/>
- Kim, S., Chen, J., Cheng, T., Gindulyte, A., He, J., He, S., Li, Q., Shoemaker, B. A., Thiessen, P. A., Yu, B., Zaslavsky, L., Zhang, J., & Bolton, E. E. (2023). PubChem 2023 update. *Nucleic Acids Res.*, 51(D1), D1373–D1380. <https://doi.org/10.1093/nar/gkac956>
- Kozhuharov, V. R., Ivanov, K., & Ivanova, S. (2022), 'Dietary Supplements as Source of Unintentional Doping', *BioMed research international*, 2022, 8387271. Available at: <https://doi.org/10.1155/2022/8387271>
- Ladage, D., Schwinger, R. H., & Brixius, K. (2013) 'Cardio-selective beta-blocker: pharmacological evidence and their influence on exercise capacity', *Cardiovascular therapeutics*, 31(2), 76–83. Available at:
<https://doi.org/10.1111/j.1755-5922.2011.00306.x>

- Lauritzen, F. (2022) 'Dietary Supplements as a Major Cause of Anti-doping Rule Violations', *Frontiers in sports and active living*, 4, 868228. Available at: <https://doi.org/10.3389/fspor.2022.868228>
- Lee, S. Y., Park, J. H., Yoon, J., & Lee, J. Y. (2023) 'A Validation Study of a Deep Learning-Based Doping Drug Text Recognition System to Ensure Safe Drug Use among Athletes', *Healthcare (Basel, Switzerland)*, 11(12), 1769. Available at: <https://doi.org/10.3390/healthcare11121769>
- Ljungqvist, A. (2017) 'Brief History of Anti-Doping', *Medicine and sport science*, 62, 1–10. Available at: <https://doi.org/10.1159/000460680>
- Mahendru, D., Kumar, S., Prakash, A., & Medhi, B. (2019) 'Drugs in sport: The curse of doping and role of pharmacologist', *Indian journal of pharmacology*, 51(1), 1–3. Available at: https://doi.org/10.4103/ijp.IJP_143_19
- Mayo Clinic. (2024) 'Beta-Adrenergic Blocker (Ophthalmic Route)', Available at: <https://www.mayoclinic.org/drugs-supplements/beta-adrenergic-blocker-ophthalmic-route/description/drg-20069403>
- Menkes RI. (1993) 'Peraturan Menteri Kesehatan Nomor 917/MENKES/PER/X/1993 tentang Wajib Daftar Obat Jadi'.
- Morente-Sánchez, J., & Zabala, M. (2013) 'Doping in sport: a review of elite athletes' attitudes, beliefs, and knowledge', *Sports medicine (Auckland, N.Z.)*, 43(6), 395–411. Available at: <https://doi.org/10.1007/s40279-013-0037-x>
- Mottram, D., Chester, N., Atkinson, G., & Goode, D. (2008) 'Athletes' knowledge and views on OTC medication', *International journal of sports medicine*, 29(10), 851–855. Available at: <https://doi.org/10.1055/s-2008-1038403>
- National Institutes of Health. (2019). 'LiverTox: Clinical and Research Information on Drug-Induced Liver Injury. Adverse Drug Reaction Probability Scale (Naranjo) in Drug Induced Liver Injury', *National Institute of Diabetes and*

Digestive and Kidney Diseases. Available at:
<https://www.ncbi.nlm.nih.gov/books/NBK548069/>

National Institutes of Health. (2020). 'LiverTox: Clinical and Research Information on Drug-Induced Liver Injury. Probenecid', *National Institute of Diabetes and Digestive and Kidney Diseases.* Available at:
<https://www.ncbi.nlm.nih.gov/books/NBK548599/>

National Institutes of Health. (2023). 'LiverTox: Clinical and Research Information on Drug-Induced Liver Injury. Drug Records', *National Institute of Diabetes and Digestive and Kidney Diseases.* Available at:
<https://www.ncbi.nlm.nih.gov/books/NBK547852/>

Oliver, E., Mayor, F., Jr, & D'Ocon, P. (2019) 'Beta-blockers: Historical Perspective and Mechanisms of Action', *Revista espanola de cardiologia (English ed.)*, 72 (10), 853–862. Available at:
<https://doi.org/10.1016/j.rec.2019.04.006>

Pimple, A.P., Kudal, V.S., Sanap, G.S., & Murkute, P.S. (2022) 'A Review: Routes of Drug Administration with Their Recent Advances', *International Journal of Creative Research Thoughts (IJCRT)*, 10 (2), 421-432, ISSN: 2320-2882. Available at: <http://doi.one/10.1729/Journal.29350>

Raya, M. (2017, February 13) 'Petembak Riau Positif Doping: Teledor Konsumsi Obat Tanpa Resep Dokter' Detiksport. Available at:
<https://sport.detik.com/sport-lain/d-3421661/petembak-riau-positif-doping-teledor-konsumsi-obat-tanpa-resep-dokter>.

Raya, M. (2017, February 13) 'Sidang Pertama Digelar, Atlet Berkuda Tolak Tuduhan Doping di PON' Detiksport. Available at:
<https://sport.detik.com/sport-lain/d-3421637/sidang-pertama-digelar-atlet-berkuda-tolak-tuduhan-doping-di-pon>

- Raya, M. (2017, April 4) ‘Hadapi PON, Petembak Ini Bersikukuh Tak Konsumsi Doping’ Detiksport. Available at: <https://sport.detik.com/sport-lain/d-3464964/hadapi-pon-petembak-ini-bersikukuh-tak-konsumsi-doping>
- Salisbury, B.H., & Tadi, P. (2023) ‘5-Alpha-Reductase Inhibitors’, In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available at: <https://www.ncbi.nlm.nih.gov/books/NBK555930/>
- Sepriani, R., Bafirman, & Mudjiran. (2023) ‘Web-based anti-doping education: A needs analysis for achievement sport athletes’, *Journal Sport Area*, 8(1), 34-42. Available at: [https://doi.org/10.25299/sportarea.2023.vol8\(1\).10457](https://doi.org/10.25299/sportarea.2023.vol8(1).10457)
- Sepriani, R., Bafirman, Mudjiran, Gusril, Syafrudin, & Bachtiar, S. (2022) ‘Athlete Doping Knowledge Analysis: A Case Study of the 20th National Sports Week (PON) Papua 2021 in Indonesia’, *International Journal of Human Movement and Sports Sciences*, 10(4), 723 - 731. DOI: 10.13189/saj.2022.100413.
- Swiss Sport Integrity Foundation. (2024) ‘S5 Diuretics and other masking agents’. Available at: <https://www.sportintegrity.ch/en/anti-doping/prevention/education/mobile-lesson/s5-diuretics>
- van de Kerkhof, D. H., de Boer, D., Thijssen, J. H., & Maes, R. A. (2000). Evaluation of testosterone/epitestosterone ratio influential factors as determined in doping analysis. *Journal of analytical toxicology*, 24(2), 102–115. <https://doi.org/10.1093/jat/24.2.102>
- Ventura, R., & Segura, J. (2010). Masking and manipulation. *Handbook of experimental pharmacology*, (195), 327–354. https://doi.org/10.1007/978-3-540-79088-4_15
- Wishart, D. S., *et al.* (2018). DrugBank 5.0: a major update to the DrugBank database for 2018. *Nucleic acids research*, 46(D1), D1074–D1082. Available at: <https://doi.org/10.1093/nar/gkx1037>

World Anti-Doping Agency. (2021) 'World Anti-Doping Code 2021.' Available at:

<https://www.wada-ama.org/en/resources/world-anti-doping-program/world-anti-doping-code>

World Anti-Doping Agency. (2022) '2021 Annual Report: Raising the Game.'

Available at: <https://www.wada-ama.org/en/resources/annual-report>

World Anti-Doping Agency. (2023) 'International Standard for Therapeutic Use Exemptions (ISTUE).' Available at: <https://www.wada-ama.org/en/resources/world-anti-doping-program/international-standard-therapeutic-use-exemptions-istue>

World Anti-Doping Agency. (2023) 'ISTI Guidelines for Sample Collection.'

Available at: <https://www.wada-ama.org/en/resources/world-anti-doping-program/isti-guidelines-sample-collection>

World Anti-Doping Agency. (2023) 'Therapeutic Use Exemptions.' Available at:

<https://www.wada-ama.org/en/what-we-do/science-medicine/therapeutic-use-exemptions>

World Anti-Doping Agency. (2023) 'World Anti-doping Code International

Standard Prohibited List 2024.' Available at: <https://www.wada-ama.org/en/resources/world-anti-doping-program/2024-prohibited-list>

Zeitlinger, M. A., *et al.* (2011) 'Protein binding: do we ever learn?', *Antimicrobial*

agents and chemotherapy, 55(7), 3067–3074. Available at: <https://doi.org/10.1128/AAC.01433-10>