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Archive of SID

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Archive of SID

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- 1- International Olympic Committee
 - 2- Doping
 - 3- L- Carnitine
 - 4- Coline
 - 5- Amphetamines



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- 1- World Anti Doping Agency : <http://www.wada.org>
 - 2- <http://www.ioc.org>
 - 3- Gas Chromatography
 - 4- Isotope Mass Spectrometry

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- 1- Cannabinoids
 - 2- Beta – 2 Agonists

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- 1- Eeno
 - 2- Delbeke
 - 3- Jeschke
 - 4- Laure
 - 5- Hoberman

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4. Ama, P.F.M., Betnga, B., Ama, V.J and Kamga, J.P. (2003). "Football and doping: Study of African amateur footballers". *British Journal of Sports Medicine*, 37; PP: 307-310.
5. Cown, D.A., and Kicman, A.T. (1997). "Doping in sport : Misuse, analytical tests and legal aspects". *Clinical Chemistry*, 43 : PP:1110-1113.
6. Eenoo, P.V. and Deelbeke, F.T. (2003). "The prevalence of doping in Flanders in comparison to the prevalence of doping in international sports". *International Journal of Sports Medicine*, 24 ; PP : 565-570.
7. Gen, K., Harrison, G., Pope, J., Geoffrey, C., Hudson, J.J. (2003). "Risk factors for anabolics-androgenic steroid use among weightlifters; a case control study". *Drug and Alcohol Dependence*, 71; PP:77-86.

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8. Gundersen, S., Tapio, V., Ilka, P. and Ingared, L. (2003). "Abnormal hematologic profiles in the elite cross-country skiers; Blood doping or?" *Clinical Journal of Sports Medicine*, 13; PP:132-137.
 9. Hoberman, J. (2002). "Sports physicians and the doping crisis elite sport". *Clinical Journal of Sports Medicine*, 12: PP:203-208.
 10. Jeschke, J., Nekola, J. and Chlumsky, J. (1999). "Doping in sports". *Cas Lek Cesk*, 138 : PP:191-297.
 11. Jordi, S. (1996). "Doping control in sports medicine". *Therapeutic Drug Monitoring* , 18 : PP:471-476.
 12. Laure, P., Binsinger, C. and Lecerf, T. (2003). "General practitioners and doping in sports : attitude and experience". *British Journal of Sports Medicine*, 37 : PP: 335-338.
 13. Laure, P. (2002). "Doping : epidemiological studies". *Press Med*, 29: PP1365-1372.
 14. Laure, P. (1997). "Epidemiological approach of doping in sport, a review". *Journal of Sports Medicine and Physical Fitness*, 37: PP:218-224.
 15. Lipi, G. and Guidi, G. (1999). "Doping and sports". *Minerva Med*, 90 : PP: 345-357.
 16. Mosavi Jazayeri, M.H. and Amani. R. (2004). "Nutrition knowledge and practices of bodybuilding trainers in Ahwaz, Iran". *Pakistan Journal of Nutrition*, 3 : PP:228-231.
 17. Ozdemir, L, Nur, N., Bagsivan , I., Bulut, O., Sumer, H. and Tezeren, G. (2005). "Doping and performance changing during in athletes living in Sivas, mid-Anatolia: a brief report" . *Journal of Sports Science and Medicine*, 4 :PP:248-252.
 18. Randall, R.W., Grage, M and Rodrigo, A., (2002). "Anabolic steroids and pre adolescent athletic : Prevalence, knowledge and attitude". *The Sport Journal* , 5 : PP:1-11.
 19. Saudan, C., Baume, N., Robinson, N., Avois , L., Mangin , P. and Saugy, M. (2006). "Testosterone and doping control". *British Journal of Sports Medicine*, 40 : PP:121-124.

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20. Scarping, V., Arrigo, A., Benzi, G., Garattini, S., Vecchia, C., Bernardi, L.R., Silvestrini, G and Tuccimei, G. (1990). "Evaluation of prevalence of doping among Italian athletes". *Lancet*, 27 : PP:1048-1050.
21. Solberg, S. (1982). "Anabolic steroids and Norwegian weightlifters". *British Journal of Sports Medicine*, 16 : PP:169-171.
22. Somavilla, M., Gambelunghe, C., and Rossi, R. (2002). "Testing for nandrolon metabolites in urine samples of professional athletes and sedentary subjects by GC/MS/MS analysis". *Biomed Chromatogr*, 16 : PP:508-512.
23. Timothy, D.N. (2004). "Tainted Glory-doping and athletic performance". *The New England Journal of Medicine* , 351 : PP:847-849.
24. Waddington, I. (1999). "Doping in sports : Sociological aspects". *Special meeting of the European Commission called to investigate doping in sport, March 1999*.
25. Wong, B.J. (2003). "Doping in sport : An overview and analysis of doping and its regulation in international sport". *International Olympic Committee*, 16, 2003.
26. Yesalis, C.E., and Bahrke, M.S. (2000). "Doping among adolescent athletes". *Clinical Endocrinology and Metabolism*, 4 : PP:25-53.