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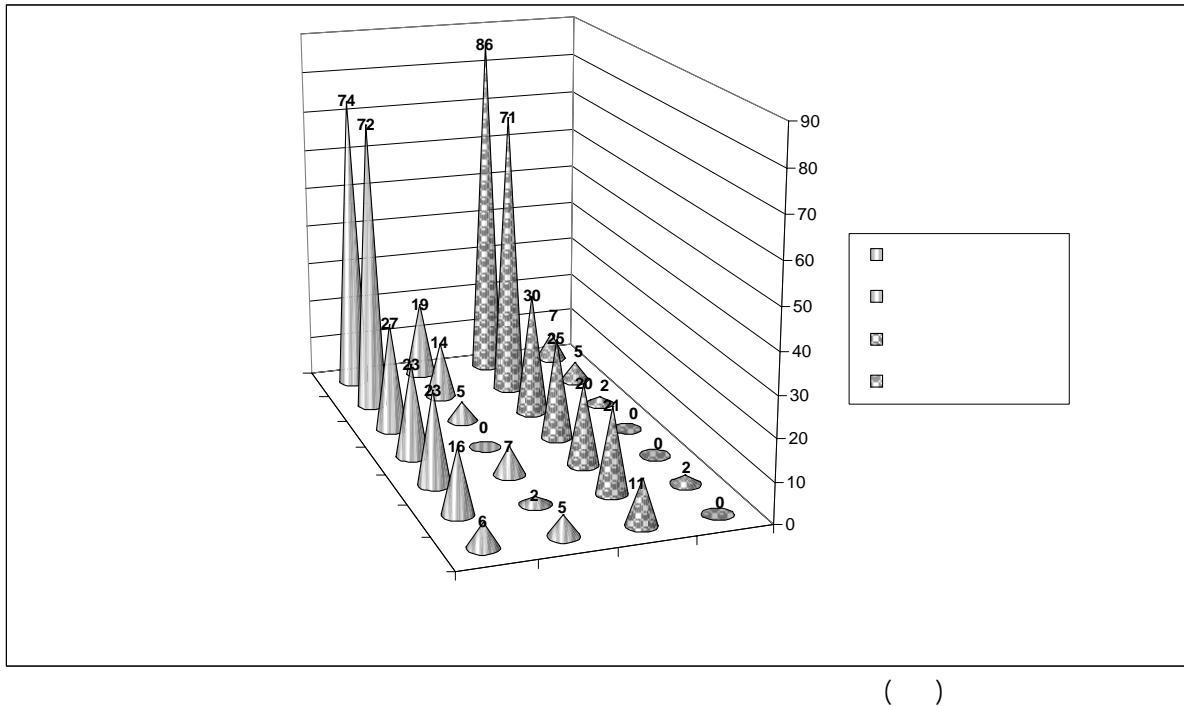
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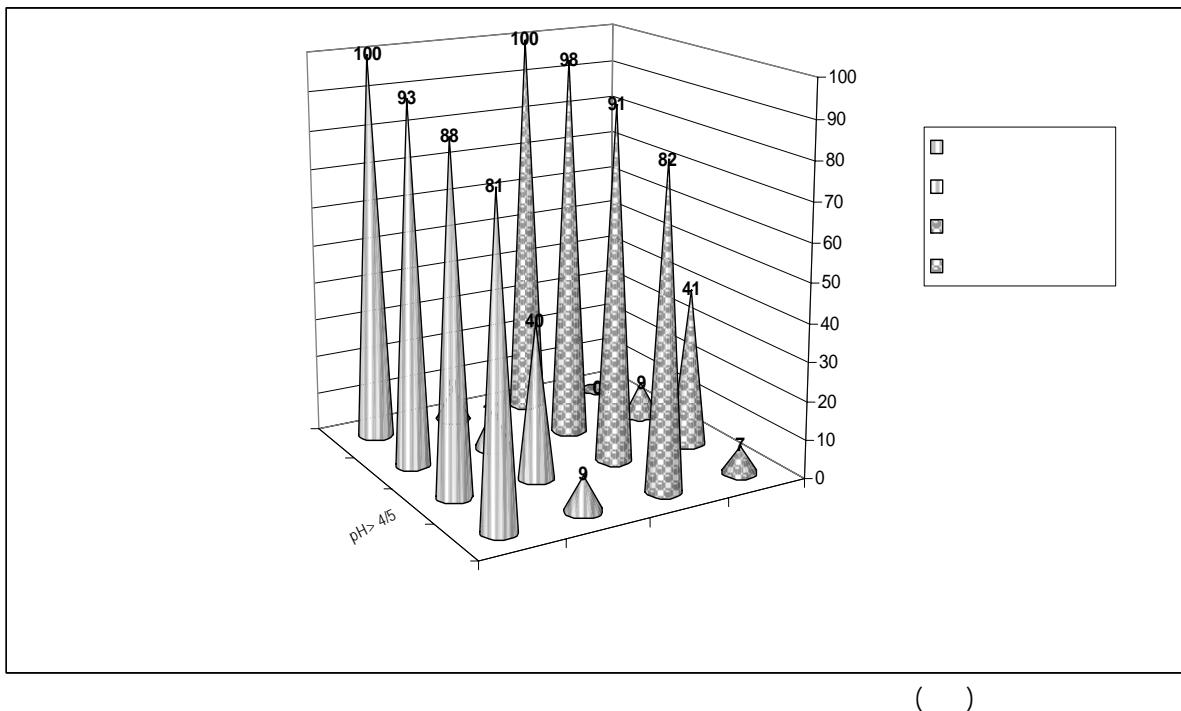
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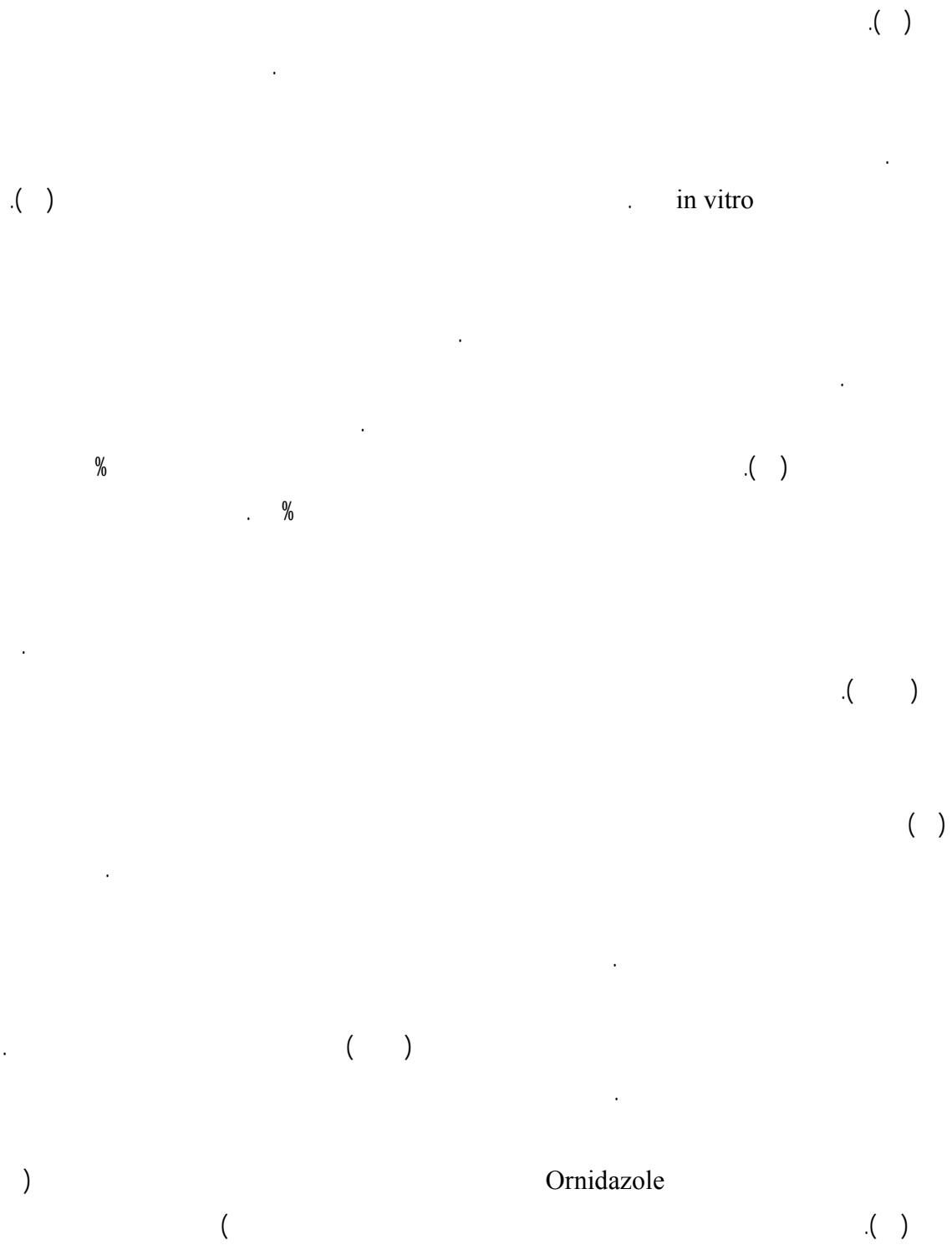
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REFERENCES

1. Weir E. Bacterial vaginosis: more questions than answers. CMAJ 2004; 171(5): 448.
2. Yen S, Shafer MA, Moncada J, Campbell CJ, Flinn SD, Boyer CB. Bacterial vaginosis in sexually experienced and nonsexually experienced young women entering the military. Obstet Gynecol 2003; 102(5): 927-33.
3. Cauci S, Driussi S, De Santo D, Penacchioni P, Iannicelli T, Lanzafame P, et al. Prevalence of bacterial vaginosis and vaginal flora changes in peri- and postmenopausal women. J Clin Microbiol 2002; 40(6):2147-52.
4. McGregor JA, French JI. Bacterial vaginosis in pregnancy. Obstet Gynecol Surv 2000; 55(5): 1-19.
5. Sweet RL. Gynecologic conditions and bacterial vaginosis: implications for the non-pregnant patient. Infect Dis Obstet Gynecol 2000; 8(3-4):184-90.
6. Pheifer TA, Forsyth PS, Durfee MA, Pollock HM, Holmes KK. Nonspecific vaginitis: role of *Haemophilus vaginalis* and treatment with metronidazole. N Engl J Med. 1978; 298(26): 1429-34.
7. Wain AM. Metronidazole vaginal gel 0.75% (MetroGel-Vaginal): a brief review. Infect Dis Obstet Gynecol 1998; 6(1): 3-7.
8. Medline Plus. Which side effects can this medication cause? January 2007. Available at: <http://www.nlm.nih.gov/medlineplus/druginfo/medmaster/a682399.html#side-effects>.
9. Beigi RH, Austin MN, Meyn LA, Krohn MA, Hillier SL. Antimicrobial resistance associated with the treatment of bacterial vaginosis . Am J Obstet Gynecol 2004; 191(4): 1124-9.

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10. Austin MN, Beigi RH, Meyn LA, Hillier SL. Microbiologic response to treatment of bacterial vaginosis with topical clindamycin or metronidazole. *J Clin Microbiol* 2005; 43(9): 4492-7.
 11. Klepser TB, Klepser ME. Unsafe and potentially safe herbal therapies. *Am J Health Syst Pharm*. 1999; 56(2): 125-38.
 12. World Health Organization. WHO traditional medicine strategy 2002–2005. WHO, Geneva; 2002.
 13. Herbal medicine. Aug 2008. available at : <http://www.nlm.nih.gov/medlineplus/herbalmedicine.html>.
 14. Van Kessel K, Assefi N, Marrazzo J, Eckert L. Common complementary and alternative therapies for yeast vaginitis and bacterial vaginosis: A systemic review. *Obstet Gynecol Surv* 2003; 58(5): 351-8.
 15. World Health Organization. WHO Monographs on selected medicinal plants. Volume 1. 1999: WHO, Geneva.
-
17. Saleem M, Nazli R, Afza N, Sami A, Ali MS. Biological significance of essential oil of *Zataria multiflora boiss.* *Nat Prod Res* 2004; 18(6): 493-7.
 18. Nakhai LA, Azadeh Mohammadrad A, Yasa N. Benefits of *Zataria multiflora boiss.* in experimental model of mouse inflammatory bowel disease. *Evid Based Complement Alternat Med* 2007; 4(1): 43-50.
-
21. Jafari Sh, Amanlou M, Borhan-Mojabi K, Farsam H. Comparative study of *Zataria multiflora* and *Anthemis nobelis* extracts with *Myrrhus communis* preparation in the treatment of recurrent aphthous stomatitis. *DARU* 2003; 11: 23-7.
 22. Amanlou M, Beitollahi JM, Abdollahzadeh S, Tohidast-Ekrad Z. Miconazole gel compared with *Zataria multiflora boiss.* gel in the treatment of denture stomatitis. *Phytother Res* 2006; 20(11): 966-9.
 23. Mansoor P, Hadjiakhondi A, Ghavami R, Shafiee A. Clinical evaluation of *Zataria multiflora* essential oil mouthwash in the management of recurrent aphthous stomatitis. *DARU* 2002; 10: 74-7.
-
25. Agnihotri S, Vaidya AD. A novel approach to study antibacterial properties of volatile components of selected Indian medicinal herbs. *Indian J Exp Biol* 1996; 34(7): 712-5.
 26. Islami A, Ansari A, Kashanian M, Bekhradi R, Akbari M, Akbari H, et al. *Zataria multiflora* vaginal cream compared with Clotrimazole vaginal cream in the treatment of Candida vaginitis. *Iranian J Pharm Res* 2004; 3(2): 36-37.

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29. Hammer KA, Carson CF, Riley TV. Antimicrobial activity of essential oils and other plant extracts. *J Appl Microbiol* 1999; 86(6): 985-90.
30. Cowan MM. Plant products as antimicrobial agents. *Clin Microbiol Rev* 1999; 12(4): 564-82.
31. López P, Sanchez C, Batlle R, Nerín C. Vapor-Phase Activities of Cinnamon, Thyme, and Oregano Essential Oils and Key Constituents against Foodborne Microorganisms. *J Agric Food Chem* 2007; 55(11): 4348-56.
32. Ozcan MM, Sağdıç O, Ozkan G. Inhibitory effects of spice essential oils on the growth of *Bacillus* species. *J Med Food* 2006; 9(3): 418-21.
33. Fan M, Chen J. Studies on antimicrobial activity of extracts from thyme. *Wei Sheng Wu Xue Bao* 2001; 41(4): 499-504.
35. Di Pasqua R, Hoskins N, Betts G, Mauriello G. Changes in membrane fatty acids composition of microbial cells induced by addiction of thymol, carvacrol, limonene, cinnamaldehyde, and eugenol in the growing media. *J Agric Food Chem* 2006; 54(7): 2745-9.
36. Kalemba D, Kunicka A. Antibacterial and Antifungal properties of essential oils. *Curr Med Chem* 2003; 10 (10): 813 –29.
37. Gutman RE, Peipert JF, Blurne J. Evaluation of clinical methods for diagnosing bacterial vaginosis. *Obstet Gynecol* 2005; 105(3): 551-6.
38. Baloğlu E, Ozyazici M, Baloğlu A, Ova L. A randomized controlled trial of a new ovule formulation of orindazole for the treatment of bacterial vaginosis. *J Clin Pharm Ther* 2003; 28(2): 131-6.