

عنوان مقاله:

Evaluation of Antibacterial Effects of Cinnamon Extract and Essence on Bacteria Isolated From Patients with Urinary Tract Infection

محل انتشار:

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نویسندگان:

Masoud Dadashi – Department of Microbiology, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Gita Eslami – Department of Microbiology, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Hossein Goudarzi – Department of Microbiology, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Fatemeh Fallah – Pediatric Infections Research Center, Mofid Hospital, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Hossein Dabiri – Department of Microbiology, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Ali Hashemi – Department of Microbiology, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran

Najmeh Ardeshtiri – Department of Microbiology, School of Medicine, Mazandaran University of Medical Sciences, Mazandaran, Iran

Mohammad Javad Nasiri – Department of Microbiology, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran

خلاصه مقاله:

With using antibiotic in societies which usage of this kind of the drug without any limitation cause appear resistance against antibiotics. This survey consider to use the extract and essence of the cinnamon (which have a so many rate of planting in Iran) and also survey on extract on bacteria whose cause urinary tract infections, and compare this with common antibiotics. This study was experimental design. We have been isolate the E.coli, Klebsiella pneumoniae, Staphylococcus aureus, Staphylococcus epidermidis, Streptococcus agalactiae and Enterococcus faecalis from UTI and then determine of antibacterial effect of cinnamon against this bacteria with subculture and put the exact diagnosis on them. Antibacterial effects of the herb extract, nalidixic acid and Co-trimoxazol were evaluated by method of agar disc diffusion. Enterococcus faecalis, E.coli and Streptococcus agalactiae had 100% sensitivity in extract and essence. Staphylococcus epidermidis and MRSA had 80% sensitivity to extract and essence, and Klebsiella pneumoniae had 90% sensitivity to extract and essence of cinnamon. After all, we totally conclude that essence and extract of cinnamon have a much more effectiveness on bacteria isolated from UTI.

کلمات کلیدی:

Cinnamon, antibacterial effect, antibiotic sensitivity, Urinary Tract Infection, Extract

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