

عنوان مقاله:

Effect of Enteropathogenic Escherichia coli on Renal Factors in Wistar Rats

محل انتشار:

سیزدهمین کنگره بین المللی میکروب شناسی بالینی استاد البرزی (سال: 1398)

تعداد صفحات اصل مقاله: 1

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خلاصه مقاله:

Background and Objectives: Urinary tract infection (UTI) is one the most common bacterial infections and is regularly treated in primary health care by general practitioners (GPs) The highest incidence of UTI is found in young, healthy women, but bacterial infection of the urinary tract is seen in all ages and in both genders . The most common cause of UTI is extraintestinal pathogenic Escherichia coli. causing more than 70% of community-acquired UTI.. **Materials and Methods:** This study was performed on 50 male wistar rats which were divided into 5 groups of 10 rats each. 1×10^9 CFU of E.Coli was injected intraperitoneally. On days 5, 7 and 14 after injection the rats were anesthetized and blood sample was taken and sent to laboratory for serology tests. **Results:** The effect of Enteropathogenic E.Coli on BUN enzyme showed a significant difference in all the days ($P < 0.05$). Also, regarding the effect of Enteropathogenic E.Coli on creatinine, the results indicated a significant difference, compared to control and sham groups ($P < 0.05$). Also, Uric enzyme analysis showed a significant difference in the groups that received E.Coli ($P < 0.05$). **Conclusion:** based on the results, Enteropathogenic E.Coli can affect renal enzymes negatively and lead to kidney and other systemic diseases.

کلمات کلیدی:

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