

عنوان مقاله:

Molecular Typing of *Klebsiella pneumoniae* isolates using Repetitive Extragenic Palindromic Sequence-Based PCR in Kurdistan province, Iran

محل انتشار:

بیستمین کنگره بین المللی میکروب شناسی ایران (سال: 1398)

تعداد صفحات اصل مقاله: 1

نویسندگان:

Pegah Shakib - *Razi Herbal Medicines Research Center, Lorestan University of Medical Sciences, Khorramabad, Iran*

Rashid Ramazanzadeh - *Cellular and Molecular Research Center, Department of Microbiology, School of Medicine, Kurdistan University of Medical Sciences, Sanandaj, Iran*

Gholamreza Goudarzi - *Razi Herbal Medicines Research Center, Department of Microbiology, School of Medicine, Lorestan University of Medical Sciences, Khorramabad, Iran*

خلاصه مقاله:

Introduction and Objectives: *Klebsiella pneumoniae* is one of the main causes of hospital infection and a member of Enterobacteriaceae family. The main purpose of the present study was determine the repetitive extragenic palindromic polymerase chain reaction (rep-PCR) pattern among *Klebsiella pneumoniae* isolates in Kurdistan province, Iran. **Materials and Methods:** During a period from October 2015 to July 2016, 70 *Klebsiella pneumoniae* isolates were collected from different clinical specimens from general hospitals in Kurdistan province, Iran. The genetic relation of isolates was performed using rep-PCR typing assay. **Results:** 27 clusters distinguished by the result of fingerprinting by rep-PCR. this pattern of isolates showed a wide diversity of clinical isolates in Kurdistan province, Iran. **Conclusion:** the present study revealed the emergence and spread of *Klebsiella pneumoniae* isolates with .diverse genetic backgrounds in a hospital in Kurdistan province

کلمات کلیدی:

Klebsiella pneumoniae; repetitive extragenic palindromic polymerase chain reaction (rep-PCR) typing; Kurdistan province

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