





 **Current Issue**


 **Browse Issues**


 **Search**



 **About this Journal**

 **Instruction to Authors**

 **Online Submission**

 **Subscription**

 **Contact Us**



 **RSS Feed**

Acta Medica Iranica

2009;47(4) : 20-25

Characterization of Vancomycin Resistant *Enterococcus faecium*

M Talebi, SS Eshraghi, MR Pourshafie, MR Pourmand, MR Eshraghian

Abstract:

Background: To determine the species distribution, updated drug susceptibility patterns and genes conferring resistance in clinical vancomycin resistant enterococcal (VRE) isolates.

Methods: Clinical enterococcal isolates collected during 7 months, from September 2005 to April 2006 from hospitalized patients and outpatients were studied. Twenty five VRE were isolated from 450 enterococci samples (5.6%). VRE isolates were subjected to antibiotic susceptibility tests. Genotype of these isolates was determined by PCR.

Results: All of the isolates were *E. faecium* and carried the *vanA* gene. Antibiotic susceptibility tests showed that the isolates were resistant to ampicillin 25(100%), ciprofloxacin 25(100%), gentamicin 24(96%), erythromycin 25(100%), tetracyclin 10(40%) and chloramphenicol 2(8%).

Conclusion: VRE strains were resistant to three antibiotics and were susceptible to new antibiotics linezolid and *dalfopristin-quinupristin*. *Switching to treatment with these antibiotics* would relieve the problem for a short time.

Keywords:

Enterococcus faecium

TUMS ID: 4251

Full Text HTML  Full Text PDF  188 KB

top ▲

[Home](#) - [About](#) - [Contact Us](#)

TUMS E. Journals 2004-2009
Central Library & Documents Center
Tehran University of Medical Sciences

Best view with Internet Explorer 6 or Later at 1024*768 Resolutions