

### **Linezolid use in Bach Mai hospital 2015**

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**Summary:** *This study aimed to explore prescribing behavior in the use of linezolid, a new antibiotic for Gram positive infections, in Bach Mai hospital in first three quarters of 2015. A retrospective study was conducted on 311 medical records of inpatients prescribed with linezolid admitted in Bach Mai hospital from January to September of 2015. Of 311 selected medical records, 74 (23.8%) were prescribed linezolid with approved indications in which the most common was community acquired pneumoniae with 37 (11.9%) cases. A minor number of 10 (3.2%) cases were found to have rational reason for linezolid use. Up to 237 (76.2%) patients were prescribed linezolid with off-label indications and the majority of those were for treatment or prevention of neutropenic fever which account for 44.7%. Fourty seven pathogens were isolated including one Enterococcus spp. strain with decreased susceptibility and one methicilin resistant Staphylococcus aureus strain with resistance to linezolid. Oral route was indicated in 95.2% of the cases. Linezolid was commonly prescribed for off-label indications or approved indications without rational reason for its use. Interventions to limit the irrational use of linezolid are required.*