MACROLIDE RESISTANT *STREPTOCoccus PNEUMONIAE* IN CHAROENKRUNG PRACHARAK HOSPITAL, THAILAND

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**Abstract.** Macrolide resistant *Streptococcus pneumoniae* has been increasing rapidly in Southeast Asia. A review from 2000 through 2011 at Charoenkrung Pracharak Hospital that evaluated drug resistance to erythromycin found *S. pneumoniae* from 158 of the 390 (40.5%) patients: 3.6% intermediate, 36.9% highly resistant. A significant correlation was found between macrolide resistant *S. pneumoniae* and penicillin resistance (*p*<0.001), macrolide susceptible pneumococci and penicillin susceptibility (*p*<0.001). Trends of macrolide resistant *S. pneumoniae* at Charoenkrung Pracharak Hospital were found to have increased. Therefore, macrolide monotherapy should be avoided or care should be taken for prophylaxis or treatment in the patient suspected of *S. pneumoniae* infection.

**Keywords:** *Streptococcus pneumoniae*, macrolide resistance, Thailand