

The 6th Joint Conference Ramathibodi - Osaka University

~ Cutting Edge Innovation on COVID-19 and Beyond ~

29th - 30th November 2021

Abstract Sheet

Lecture Title	Current Situation of Multidrug Resistant and Principle of Management
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Abstract [English]

Antimicrobial resistance (AMR) has been a continually increased important threat to human. Major resistant bacterial pathogens such as carbapenem-resistant Gram-negative bacilli are frequently resistant to many groups of antibiotics such that only a few active agents are left. Major factors that contribute to the emergence and spread of these pathogens include inappropriate use of antimicrobial agents in human and agricultural sectors, and suboptimal infection prevention and control (IPC). Therefore, integrative measures encompassing antimicrobial stewardship in both sectors, improve in IPC efforts, and public education with consistent political support are crucial. Thailand established the National Strategic plan in 2017 emphasizing all dimensions of AMR management. Hospitals around the country adopted the Integrated AMR Management (IAM) concept while regulation of antimicrobial use in community and agriculture is deployed. These efforts led to lower prevalence of drug-resistant *Streptococcus pneumoniae*, fluoroquinolone-resistant *Salmonella*, and carbapenem-resistant *Acinetobacter baumannii*. The remaining challenge is carbapenem-resistant Enterobacterales.