

# ANSORP NOW

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## Dear ANSORP Investigators

Greetings from Seoul !  
I hope all ANSORP investigators are doing well.

This is the **2012 November issue of ANSORP NOW**. It provides update information and current status of ANSORP activities. "ANSORP NOW" is a monthly newsletter, delivered to all ANSORP investigators by e-mail and website of APFID ([www.apfid.org](http://www.apfid.org)). Please read this ANSORP NOW carefully to update our international collaboration. If you have any ideas, opinions, or issues that can be shared with other ANSORP investigators, please send us e-mails or FAX.

I always appreciate your active participation in the ANSORP activities.



Jae-Hoon Song, MD, PhD  
Organizer, ANSORP  
Founder & Chairman, APFID

## Approval of new APEC project

A new project entitled "*Strengthening health security – APEC symposium on strategies to control and prevent antimicrobial resistance*", which was presented at the APEC Health Working Group (HWG) meeting held in St. Petersburg, Russia in June to get APEC support, was finally approved by APEC.

The APEC symposium on antimicrobial resistance (AMR) will be held in Kuala Lumpur, Malaysia in March 2013 in conjunction with 9th International Symposium on Antimicrobial Agents and Resistance (ISAAR). ISAAR and APEC Symposium will be a perfect match to emphasize the importance of AMR and to explore the future solutions to AMR.

## Current status of ANSORP studies

- **A prospective, hospital-based, multicenter surveillance on antimicrobial resistance and serotypes of *Streptococcus pneumoniae* in hospitalized patients over 50 years with invasive pneumococcal diseases or pneumonia in Asia**

- Principle investigator : Dr. Jae-Hoon Song (Korea)
- This investigator initiated study will be started in December 2012 or early next year.

- **A prospective multi-center, multi-national serosurvey study for pertussis among children in Asian countries**

- Principle investigators : Dr. Cheng-Hsun Chiu and Dr. Chun-Yi Lu (Taiwan), Dr. Yae-Jean Kim (Korea)
- Study proposal is currently revising by PIs after reviews of Sanofi-Aventis. This study can be initiated soon.

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## Interesting papers

### Costs of healthcare- and community-associated infections with antimicrobial-resistant versus antimicrobial-susceptible organisms.

*Clin Infect Dis.* 2012 Sep;55(6):807-15

Neidell MJ, Cohen B, Furuya Y, Hill J, Jeon CY, Glied S, Larson EL

#### **ABSTRACT**

**OBJECTIVE:** We compared differences in the hospital charges, length of hospital stay, and mortality between patients with healthcare- and community-associated bloodstream infections, urinary tract infections, and pneumonia due to antimicrobial-resistant versus -susceptible bacterial strains.

**METHODS:** A retrospective analysis of an electronic database compiled from laboratory, pharmacy, surgery, financial, and patient location and device utilization sources was undertaken on 5699 inpatients who developed healthcare- or community-associated infections between 2006 and 2008 from 4 hospitals (1 community, 1 pediatric, 2 tertiary/quaternary care) in Manhattan. The main outcome measures were hospital charges, length of stay, and mortality among patients with antimicrobial-resistant and -susceptible infections caused by *Staphylococcus aureus*, *Enterococcus faecium*, *Enterococcus faecalis*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, and *Acinetobacter baumannii*.

**RESULTS:** Controlling for multiple confounders using linear regression and nearest neighbor matching based on propensity score estimates, resistant healthcare- and community-associated infections, when compared with susceptible strains of the same organism, were associated with significantly higher charges (\$15,626; confidence interval [CI], \$4339-\$26,913 and \$25,573; CI, \$9331-\$41,816, respectively) and longer hospital stays for community-associated infections (3.3; CI, 1.5-5.4). Patients with resistant healthcare-associated infections also had a significantly higher death rate (0.04; CI, 0.01-0.08).

**CONCLUSIONS:** With careful matching of patients infected with the same organism, antimicrobial resistance was associated with higher charges, length of stay, and death rates. The difference in estimates after accounting for censoring for death highlight divergent social and hospital incentives in reducing patient risk for antimicrobial resistant infections.

### European Antibiotic Awareness Day 2012: Getting smart about antibiotics, a public-professional partnership

*J Infect.* 2012 Nov;65(5):377-9

Stockley JM

#### **ABSTRACT**

November 18th 2012 is the fifth annual European Antibiotic Awareness Day (EAAD), an opportunity to raise public and professional awareness about the importance of prudent antibiotic use, and the threat of antibiotic resistance to public health. The aims of EAAD have been supported and reinforced by antibiotic stewardship campaigns across Europe, aimed at both healthcare professionals, and the public. Within the UK, antimicrobial stewardship is embedded within the Health and Social Care Act 2008, and is taken into account by the Care Quality Commission when making decisions about registration. The Department of Health Advisory Committee on Antimicrobial Resistance and Healthcare Associated Infection has recently produced guidance for antimicrobial stewardship in hospitals, 'Start Smart - then Focus', and the Royal College of General Practitioners has agreed antimicrobial stewardship as a clinical priority for 3 years, providing educational and audit materials, and tools to help general practitioners in patient consultations, to manage public demand for antibiotics when not clinically indicated. British Infection Association members need to be familiar with these initiatives and resources, and are encouraged to lead on local initiatives within their own workplaces and communities.

*If you need PDF version of the papers, please contact ANSORP Project Manager (Dr. So Hyun Kim, [shkim@ansorp.org](mailto:shkim@ansorp.org)).*

## 9<sup>th</sup> ISAAR 2013 in Kuala Lumpur, Malaysia in March 2013

We would like to cordially invite you to join the 9<sup>th</sup> **International Symposium on Antimicrobial Agents and Resistance (ISAAR 2013)**, which will be held at Kuala Lumpur Convention Center (KLCC) in Kuala Lumpur, Malaysia from March 13 to 15, 2013. Please visit [www.isaar.org](http://www.isaar.org) for updates to the program and additional information to enhance your participation in this important meeting on infectious diseases and antimicrobial resistance. We hope that many ANSORP investigators can join the ISAAR 2013.

#### **IMPORTANT DATES**

- Deadline for Abstract Submission Jan 28, 2013
- Deadline for Early Registration Feb 20, 2013
- Deadline for Late Registration Mar 1, 2013



*We always appreciate your active contribution to ANSORP activities. If you have any questions, or issues that can be shared with other ANSORP investigators, please let us know them at any time.*