

POSTER PRESENTATION

Open Access

Antimicrobial stewardship programs in Emilia-Romagna, Italy

A Pan^{1*}, C Gagliotti², M Arlotti², P Bassi², L Bertozzi², M Borsari², C Cancellieri², R Carletti², S Giordani², M Libanore², G Magnani², P Marchegiano², E Mazzini², S Mezzadri², M Minghetti², S Nola², C Puggioli², P Ragni², G Ratti², M Sisti², C Vandelli², P Viale², P Vitali², ML Moro¹

From International Conference on Prevention & Infection Control (ICPIC 2011) Geneva, Switzerland. 29 June – 2 July 2011

Introduction / objectives

To evaluate the state-of-the-art of antimicrobial stewardship programs in Emilia-Romagna we sent a questionnaire to university hospitals (UH) and Local Health Authorities hospitals (LHAH) of Emilia-Romagna.

Methods

A multiple-choice questionnaire was sent to all public UH/LHAH of the region. The survey was constituted by 18 different questions, in 7 sections. An 8 parameters antimicrobial stewardship (AMS) score was calculated (score 0-14).

Results

All 17 UH/LHAH completed the survey. An antimicrobial stewardship group was present in 11/17 (58%) UH/LHAH. All UH/LHAH had implemented some antimicrobial control strategies. We analysed 4 areas. A) Restricted formulary: all UH/LHAH had restricted formularies, with a median of 12 antimicrobials. B) Education: courses on surgical prophylaxis had been performed in 56% of surgical specialties, courses on antimicrobial therapy in 47% of UH/LHAH over the last year. C) Guidelines: guidelines on surgical antibiotic prophylaxis and on antimicrobial therapy were available in 100% and 71% of UH/LHAH, respectively. D) Data feed back: data on antibiotic consumption and on antimicrobial resistance were periodically fed back to the wards by 100% and 88% of UH/LHAH, respectively. The AMS score varied significantly among UH/LHAH, from 2 to 13 points.

Conclusion

All UH/LHAH have implemented some kind of antimicrobial stewardship program, although significant differences exists between centres. To face these differences a regional project has been implemented.

Disclosure of interest

None declared.

Author details

¹Area Rischio Infettivo, Agenzia Sanitari e Sociale Dell'Emilia-Romagna, Bologna, Italy. ²Regione Emilia-Romagna, Bologna, Italy.

Published: 29 June 2011

doi:10.1186/1753-6561-5-S6-P143

Cite this article as: Pan et al.: Antimicrobial stewardship programs in Emilia-Romagna, Italy. *BMC Proceedings* 2011 **5**(Suppl 6):P143.

Submit your next manuscript to BioMed Central and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit



¹Area Rischio Infettivo, Agenzia Sanitari e Sociale Dell'Emilia-Romagna, Bologna, Italy
Full list of author information is available at the end of the article