



ANTIBIOTIC STEWARDSHIP (ABS): CURRENT CHALLENGES AND DEVELOPMENTS

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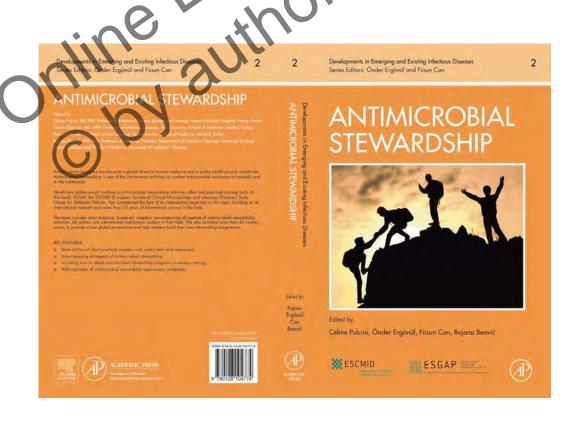
ESCMID Summerschool 2017 (Germany)

A very brief overview!

- Two-day ESGAP courses
 - ABS course in Istanbul October 2017, and Madrid 2018
 - Antibiotic prescribing course in Madrid in November 2017

• ESGAP book

ESCIMIO





Understand antibiotic resistance, and how antimicrobial stewardship can slow down or reduce it, with this free

online course

WATCH THE TRAILER

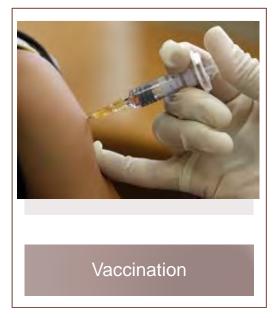




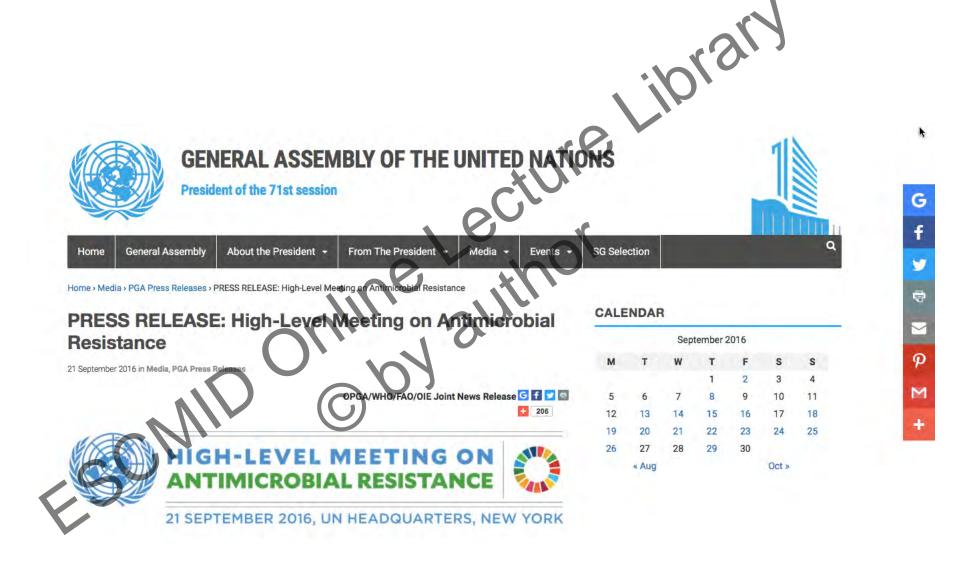
HOTHTOPECOY author
ESCHITOPECOY author

More resistance





One Health approach



March 2017: Interagency Group



Home * News & Blog * CARA: The Conscience of Antimicrobial Resistance Accountability, and the next big thing for CDDEP



CARA: The Conscience of Antimicrobial Resistance Accountability, and the next big thing for CDDEP

15 Nov 20 % Author: Hellen Gelband

A UN Declaration is a great thing.

This includes the "political declaration of the high-level meeting of the General Assembly on antimicrobial resistance," which, this September, gave the world its marching orders to do what's necessary to ensure that everyone in the world has access to effective antibiotics for the long term. It provides a role for everyone to play, building on the World Health Organization's Global Action Plan for antimicrobial resistance (AMR), which already has buy-in from the UN's Food and Agriculture Organization (FAO) and World Organization for Animal Health (OIE) for a One Health front.

Risk of losing political momentum

PROBLEM OF DEFINITION AND WORDS



Definition of antibiotic stewardship? Difficult to translate ON Author

CMI Theme issue – November 2017

INNOVATION WEST CONSERVATION

Funding allocation

Innovation

New antibiotics

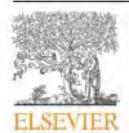
New diagnostics

Existing antibiotics

Human resources for ABS teams

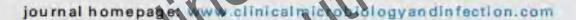
Scholary

Clinical Microbiology and Infection xxx (2017)



Contents lists available at ScionceDirect

Clinical Microbiology and Infection





Commentary

Ensuring universal access to old antibiotics: a critical but neglected priority

C. Pulcini 1.2. B. Beovic 3, 4, G. Béraud 3, 5, 6, 7, 8, J. Carlet 8, O. Cars 9, P. Howard 3, 10, G. Levy-Hara 1.1.2, G. Li 13, D. Nathwani 14, F. Roblot 5, 15, M. Sharland 13

MORE INVERNATIONAL COLLABORATION

WHO activities

- Newsletter
- Essential Medicines List
- Priority Pathogen List for R and D
- Point-prevalence survey methodology in hospitals
- GLASS
- Interactive map showing progress of national action plans
- Community of practice

• Lack of regulatory framework

Not enough networks, collaboration

'periences/resources'

PERSPECTIVE Library

PERSPECTIVES

PERSPECTIVE Library



Cochrane Database of Systematic Reviews

Interventions to improve antibiotic prescribing practices for hospital inpatients (Review)

Davey P, Marwick CA, Scott CL, Charant E, McNall R, Brown E, Gould IM, Ramsay CR, Michie S

objectives: a systematic review and meta-analysis

Emelie C Schuts, Marlies E J L Hulscher, Johan W Mouton, Cees M Verduin, James W T Cohen Stuart, Hans W P M Overdiek, Paul D van der Linden, Stephanie Natsch, Cees M P M Hertogh, Tom F W Wolfs, Jeroen A Schouten, Bart Jan Kullberg, Jan M Prins

CMI Theme issue – November 2017

Too much focus on hospitals

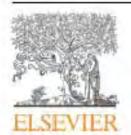
- We know what to do in hospitals
- We 'just' need:
 - Resources
 - Leadership
 - A faciliting system
 - To share tools and experiences
 - More training courses for stewards
- We need more focus on community and LTCFs settings
- And we need to involve new health professionals (nurses, community pharmacists, primary care doctors...)

Broaden the target audience

- Educate all heathcare professionals
 Reach other specialties
- Reach other specialties
- Communication and engagement of the public



Clinical Microbiology and Infection xxx (2017) 1-7



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Review

Managing responsible antimicrobial use: perspectives across the healthcare system

O.J. Dyar ^{1, 4}, G. Tebano ^{2, 4}, C. Pulcini ^{3, *}, on behalf of ESGAP (ESCMID Study Group for Antimicrobial stewardship)

- System approach
- Input from social sciences
 - Governance
 - Certification and accountability

Real synergy with infection control teams

RESEARCH ON STEWARDSHIP

Many papers on antibiotic stewardship
Often lacking:

Novelty
Social sciences input
Good methods
Relevant outcom

The way forward: good methods Accepted Manuscript

Good epidemiological practice: A harvative review of appropriate scientific methods to evaluate the impact of antimicrobial stewardship interventions

Marlieke EA. de Kraker, Mohamed Abbas, Benedikt Huttner, Stephan Harbarth



Focus on the unmet needs with



Interventions to improve antibiotic prescribing practices for hospital inpatients (Review)

Davey P, Marwick CA, Scott CL, Charani E, McNeil K, Brown E, Gould IM, Ramsay CR, Michie S

IF YOU ARE PASSIONATE ABOUT THIS TOPIC...

References for further reading

- ESGAP: https://www.escmid.org/index.pap?id=140 and http://esgap.escmid.org
- WHO: http://www.who.int/drugresistance/en/
- ECDC: <u>http://ecdc.europa.eu/en/healthtopics/antimicrobial_resistance/ Pages/index.aspx</u>
- CDC: http://www.cdc.gov/drugresistance/
- UK: https://www.gov.uk/government/collections/antimicrobial-resistance-amr-information-and-resources
- Australia: http://www.safetyandquality.gov.au/our-work/healthcare-associated-infection/antimicrobial-stewardship/
- Practical guide (D. Nathwani et al.): http://www.biomerieux-industry.com/node/886

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