

Debate: The rationale for local antibiotic use in surgery to prevent post-operative infection

Myth or Science?

Supported by: British Society for Antimicrobial Chemotherapy and European Wound Management Association

Chair: Dr Gavin Barlow

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BRITISH SOCIETY FOR
ANTIMICROBIAL
CHEMOTHERAPY



FIS 2017
ACTION ON
INFECTION

BIRMINGHAM, ICC



Programme

1730 Welcome, overview and quick quiz

Dr Gavin Barlow

1740 The use of topical antibiotics for the prevention of surgical site infection: a survey of practice and opinions

Miss Charlotte Cooper

1755 The argument for the motion..... (local antibiotics are a myth)

Professor Hilary Humphreys

1810 The argument for the motion..... (local antibiotics are science)

Dr Matthew Dryden

1825 Panel discussion/Questions

All

Warm up!



Definition

Topical, or local, use of antibiotics is defined as the application of an antibiotic agent directly to a surgical site, intraoperatively or immediately post-operatively, in the form of powders, sponges, irrigation solutions, sealants or dressings. It does not include antiseptic agents

Setting the scene

- Surgical site infection (SSI) is common
- Patients who develop SSI are more likely to be readmitted to hospital and have increased morbidity/mortality
- SSI increases healthcare costs

Setting the scene

- Perioperative antibiotics established for contaminated and clean-contaminated procedures and when evidence exists for clean procedures
- BUT, in the era of increasing antimicrobial resistance, should we be thinking about the existing paradigms with the aim of reducing systemic antibiotic use and/or the risk of SSI?
- Can local antibiotics (as defined), contribute to this?

Question 1

How many of you work as the following?

- Infection doctor
- Surgeon
- Nurse
- Pharmacist
- Other?

Question 2

Your predominant place of clinical work is in...

- Primary care
- Secondary care
- Other

Question 3

In your institution, are...

- local antibiotics (as defined) used to try and prevent SSI?
- there guidelines to inform the use of local antibiotics to prevent SSI?

Question 4

Do you use or advise on/recommend* local antibiotics (as defined) where you work to try and prevent SSI?

* Including if you have recommended use within a local guideline

Question 5

Do you believe local antibiotics can contribute to...

- a reduction in SSI (with/without using systemic antibiotics)?
- a reduction in systemic antibiotic use for SSI?