

11/2/  
2019



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Conflict of Interest Disclosure

"I declare that I have no financial interest, assignment or other relationship or any other agreement that could be perceived as a conflict of interest in the context of the presentation"



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Objectives

- Increase user engagement / adherence
- Develop and implement models of community-based research
- Increase on-line uptake / increase the awareness of online clinical practice / changing use of patients with diabetes
- Identify the various pathways to be considered in community-based research
- Investigate the various phases of a clinical trial and how to use them effectively based on existing resources / available interventions



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**The Resistance Problem**  
Antibiotic resistance is a global health threat.  
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**Streptococcus pneumoniae**

- Gram positive
- Cocci
- Diplococci
- Streptococci
- Meningitis



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**Community-acquired MRSA**  
The spread of emerging pathogens in health care settings is a worldwide problem, with MRSA being among the most common. MRSA is a leading cause of hospital-acquired infections and is also a major cause of community-acquired infections. MRSA is a leading cause of skin and soft tissue infections, including abscesses, cellulitis, and wound infections. MRSA is also a leading cause of pneumonia, sepsis, and osteomyelitis.



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**MSSA Management**

- Special treatment for MSSA skin lesions
- All methicillin-resistant strains of Staphylococcus aureus (MSSA) are susceptible to treatment with rifampin
- MSSA skin lesions respond well to oral
- rifampin with or without beta-lactams
- rifampin is active in biofilms
- rifampin is active in intracellular sites
- rifampin is active in the central nervous system



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**Anti-infective Guidelines**

- Independent review panel
- Antimicrobial stewardship, safety, efficacy, and resistance
- New antibiotic classes, including novel classes
- Resistance rates, MSSA, MRSA, VISA, VRSA, MRSE, MRSA, MRSA
- Implementation using the current process for appropriate use
- Clinical research, stewardship, and
- Technology, and healthcare with health systems

**Anti-infective 2019 Update**

- Overview
- MSSA, MRSA, VISA, VRSA, MRSE, MRSA, MRSA
- Staphylococcus aureus skin infections
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- Staphylococcus aureus skin infections



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**Take Home Messages**

**Intention, explicit theory, ethics and practice**  
\*Always consider if students will be able to control  
\*By using **open** activities or **closed** activities first  
\*Focus on **open** activities + **ethics**  
\*Focus on the consequences of providing activities (practice,  
use ethics, a **difficult**)  
\*Focus on **ethics**/community + **ethics**  
\*Focus on **ethics**/community + **ethics**

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