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Evaluating the potential of novel antimicrobial strategies in a multimodal treatment model for implant-related infections: antibiotics, antimicrobial peptides, bacteriophages, induction heating

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Evaluating the potential of novel antimicrobial treatment strategies in a multimodal treatment model for implant-related infections

antibiotics, antimicrobial peptides, bacteriophages, induction heating

1. Advancing the treatment of metal implant-related infections involves hot topics (*This thesis*)
2. Bacteriophage therapy serves as a potent additive to antibiotic treatment to reduce bacterial biofilms (*This thesis*)
3. Effective management of biofilm-associated infections involves a careful combination of antimicrobial strategies rather than one single approach (*This thesis*)
4. Less can be more when applying bacteriophages to eradicate bacterial infections (*This thesis*)
5. Stationary-phase bacteria are an inappropriate model to study persisters
6. Bacteriophage carry-over must be prevented to accurately estimate bacteriophage efficacy during bacterial enumeration
7. Biofilms are the perfect example that evolution favors teamwork
8. Whatever the activity of one's metabolism, it always comes at a cost
9. PhD programs must provide public communication training to strengthen public engagement with research
10. Acknowledging imperfection is the ultimate form of perfectionism
11. Fantasy novels provide the most enriching form of escapism

