

Section 1 Principles of Infection Management

1.1 Pillars of Infection Management

Dr. Firza Gronthoud

1.2 Diagnostic Stewardship

Dr. Firza Gronthoud

1.3 Antimicrobial Stewardship

Dr. Firza Gronthoud

1.4 Infection Prevention and Control

Dr. Firza Gronthoud

Section 2 Diagnosis of Infections

2.1 Commensal flora

Dr. Firza Gronthoud

2.2 Diagnosing Bacterial Infections

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2.3 Diagnosing Viral Infections

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2.4 Diagnosing Invasive Fungal Infections

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2.5 Diagnosing Parasitic Infections

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2.6 Laboratory Detection of β -lactam Resistance in Enterobacteriaceae

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2.7 Understanding the antibiogram

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2.8 Understanding Microbiological Culture

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2.9 Understanding Serology

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2.10 Understanding Molecular Diagnosis

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Section 3 Treatment of Infections

3.1 Basic Principles of Antimicrobial treatment

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3.2 Basic Principles of Antifungal treatment

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3.3 β -lactam Allergy

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3.4 Antimicrobial agents in pregnant women

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3.5 Antimicrobial agents and liver injury

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3.6 Antimicrobial agents and neurotoxicity

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3.7 Antimicrobial agents and drug interactions

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3.8 Pharmacokinetic and Pharmacodynamic Considerations

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3.9 Source Control

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3.10 Antibiotic treatment failure

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Section 4 Special Problems

4.1 Acute Streptococcal Pharyngitis

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4.2 Animal Bites

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4.3 Asymptomatic bacteriuria

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4.4 Atypical Pneumonia

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4.5 Bacterial skin and soft tissue infections

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4.6 Bloodstream infections

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4.7 Bordetella pertussis

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4.8 Breast abscess

Dr. Jennifer Tomlins & Simon Tiberi

4.9 Bronchiectasis

Dr. Patrick Lillie

4.10 Bronchitis

Dr. Patrick Lillie

4.11 Brucellosis

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4.12 Candiduria

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4.13 Cardiac Implanted Device associated infections

Dr. Julian Rycroft & Simon Tiberi

4.14 Chlamydia Trachomatis

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4.15 Cholangitis

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4.16 Deep Neck Space Infections

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4.17 Empyema

Dr. Patrick Lillie

4.18 Encephalitis

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4.19 Endocarditis

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4.20 Neisseria Gonorrhea

Dr. Anda Samson

4.21 Hepatitis A

Dr. Anda Samson

4.22 Hepatitis B

Dr. Anda Samson

4.23 Hepatitis C

Dr. Anda Samson

4.24 Hepatitis E

Dr. Anda Samson

4.25 Histoplasmosis

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4.26 Human Immunodeficiency Virus and Opportunistic Infections

Dr. Anda Samson

4.27 Infections in haematopoietic stem cell transplants

Dr. Patrick Lillie

4.28 Infections in the ICU

Dr. Firza Gronthoud

4.29 Infectious Diarrhoea

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4.30 Influenza

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4.31 Intra-abdominal infections

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4.32 Invasive Candidiasis

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4.33 Invasive Group A Streptococcal Infections

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4.34 Invasive Pulmonary Aspergillosis

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4.35 Keratitis

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4.36 Lung abscess

Dr. Patrick Lillie

4.37 Measles

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4.38 Meningitis

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4.39 Near Drowning associated pneumonia

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4.40 Neutropaenic sepsis

Dr. Patrick Lillie

4.41 Non-resolving Pneumonia

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4.42 Norovirus

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4.43 Onychomycosis

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4.44 Osteomyelitis

Dr. Caryn Rosmarin

4.45 Otitis Externa

Dr. Firza Gronthoud

4.46 Pelvic Inflammatory Disease

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4.47 Perianal abscess

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4.48 *Pneumocystis jirovecii* Pneumonia (PJP) in patients with a haematological malignancy or solid-organ transplant

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4.49 Pneumonia (CAP, HAP and VAP)

Dr. Patrick Lillie

4.50 Post Exposure prophylaxis for Healthcare Workers exposed to bloodborne viruses

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4.51 Post-operative infections

Dr. Firza Gronthoud

4.52 Prosthetic Joint Infection

Dr. Devan Vaghela & Dr. Simon Tiberi

4.53 Prostatitis

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4.54 Pyomyositis

Dr. Firza Gronthoud

4.55 Ringworm

Dr. Firza Gronthoud

4.56 Salmonella carriage

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4.57 Septic arthritis

Dr. Caryn Rosmarin

4.58 Septic bursitis

Dr. Caryn Rosmarin

4.59 Splenectomy from prophylaxis to treatment

Dr. Anda Samson

4.60 The immunocompromised patient

Dr. Anda Samson

4.61 Typhoid Fever

Dr. Julian Rycroft

4.62 Urinary Tract Infections

Dr. Firza Gronthoud

4.63 Uveitis

Dr. Anda Samson

4.64 Varicella Zoster

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Section 5 Difficult to treat organisms

5.1 AmpC, Extended Spectrum Beta-lactamase and Carbapenemase producers

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5.2 *Acinetobacter baumannii*

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5.3 *Achromobacter xylosoxidans*

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5.4 *Pseudomonas aeruginosa*

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5.5 *Stenotrophomonas maltophilia*

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5.6 *Staphylococcus aureus*

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5.7 Vancomycin Resistant Enterococci

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5.8 *Helicobacter pylori*

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5.9 *Clostridioides difficile*

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5.10 Actinomycosis

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5. 11 Nocardia

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Section 6 Appendix

6.1 Syndromic Approach to Infections

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6.2 Specimen collection

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6.3 Spectrum of Activity of Antibiotics

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6.4 Doses of common antimicrobials

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6.5 Pathogen Specific Infection Control Precautions

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6.6 Pillars of Infection Control

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6.7 Transmission based Precautions

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