

SUPPLEMENTARY MATERIAL

Table 1. Categorization of Infectious Problems

Group	Infectious Problems
Bloodstream infection	Bacteremia Central-line associated blood stream infection Fungemia
Febrile neutropenia	Febrile neutropenia without identified source of infection
Gastrointestinal/IAI	Appendicitis Esophageal candidiasis Intra-abdominal process <i>Clostridiodes difficile</i> infection Necrotizing enterocolitis
Head and neck	Dental abscess Mastoiditis Oral candidiasis Orbital and periorbital cellulitis Oropharyngeal infection Otitis media Retropharyngeal abscess Sinusitis
Non-infectious	Non-infectious
Other	Chorioretinitis Endocarditis Lymphadenitis Mediastinitis

	Meningitis
	None identified
	Osteomyelitis
	Septic arthritis
	Sexually transmitted infection
	Ventriculoperitoneal shunt infection
Prophylaxis	Perioperative prophylaxis
	Prophylaxis
Respiratory infection	Acute chest syndrome
	Aspiration pneumonia
	Community acquired pneumonia
	Cystic fibrosis exacerbation
	Pneumonia
	Presumed respiratory infection
	Tracheitis
	Ventilator-associated pneumonia/hospital-associated pneumonia
Sepsis	Culture negative sepsis
	Suspected fungal infection
	Rule-out central-line associated blood stream infection
	Rule-out sepsis
	Sepsis/septic shock
Skin and soft tissue infection	Animal bite
	Omphalitis
	Skin and soft tissue infection
	Surgical site infection

Urinary tract infection

Catheter-associated urinary tract infection

Urinary tract infection

Table 2. Medical Service Categorization

Medical Service Group	Medical Services
Cardiovascular Intensive Care	Cardiovascular Intensive Care
Hematology/Oncology/Stem Cell	Hematology/Oncology Stem Cell Transplant
Intensive Care Unit	Intensive Care
Medical services	Adolescent Medicine Cardiac Cath Cardiology Dentistry Dermatology Endocrinology Gastroenterology General Pediatrics Immunology & Allergy Nephrology Neurology Pain Management Pulmonary Rheumatology
Neonatology	Neonatology
Solid Organ Transplant	Cardiovascular Transplant Kidney Transplant Liver Transplant Transplant Surgery

Surgical services

Cardiovascular Surgery

General Surgery

Hand

Neurosurgery

Ophthalmology

Orthopedic Surgery

Otolaryngology (ENT)

Plastic Surgery

Urology

Table 3. Categorization of Recommendation Type

Recommendation Type Group	Recommendation Type
Change agent	Broaden empirically
	Broaden based on culture/sensitivity
	Change antimicrobial (availability)
	Change antimicrobial based on culture/sensitivity
	Narrow based on culture/sensitivity
	Narrow empirically
Lengthen duration	Lengthen duration
Clarify	Clarify indication/plan
IV to PO	IV to PO
Monitoring	Monitoring
Optimize dose regimen	Decrease dose
	Decrease frequency
	Increase dose
	Increase frequency
	Prolonged infusion
PO to IV	PO to IV
Duration modification	Duration suggestion
	Shorten duration
Discontinue	Stop (Consolidate to fewer agents)
	Stop (No indication)
	Stop (Redundant therapy)
ID consult	ID consult
Other	Other