ANTIBIOTIC STEWARDSHIP:
OPTIMIZING ANTIBIOTIC USE IN AN ERA OF INCREASING
RESISTANCE AND RISING COSTS

Supplement to the Journal of Hospital Medicine


Estimated time to complete the activity: 1 hour 45 minutes
Jointly sponsored by Postgraduate Institute for Medicine
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Program Description
With antimicrobial resistance on the rise and very few new
pharmaceutical agents in development, a well-managed
antimicrobial stewardship program in the hospital becomes
the first-line defense against the emergence of resistance
and provides not only a cost-containment measure but also
ensures the continued efficacy of available antimicrobials. A
successful stewardship program knows and understands the
local epidemiology and utilizes a multidisciplinary strategy
to ensure the selection of an appropriate antibiotic at the
right dose for the right duration. In addition, stewardship in
the community-based parenteral antinfective therapy (CoPAT)
program provides an opportunity for an integrated
patient-centric model of care as well as continuity of
care when patients transition from inpatient to outpatient
setting.

Learning Objectives
• Explain the impact of multidisciplinary antimicrobial
  stewardship programs on the emergence and transmission
  of antimicrobial-resistant microorganisms
• Identify potential challenges and controversies related to
  the implementation of antimicrobial stewardship pro-
  grams in health systems
• Use pharmacokinetic and pharmacodynamic data to facil-
  itate appropriate antimicrobial use
• Describe the role of CoPAT in an integrated patient-cen-
  tric model of antimicrobial stewardship and pharmaco-
  epidemiology
• Illustrate how a CoPAT model of care can be used to miti-
  gate complications and prevent emergency room visits
  and readmissions

Target Audience
This activity has been designed to meet the educational needs
of hospitalists and other healthcare providers involved in the
treatment of patients with infectious diseases.

Accreditation Statement
This activity has been planned and implemented in accord-
ance with the Essential Areas and policies of the Accredita-
tion Council for Continuing Medical Education (ACCME)
through the joint sponsorship of Postgraduate Institute for
Medicine (PIM) and Global Education Exchange, Inc.
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Credit Designation
Postgraduate Institute for Medicine designates this educa-
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