

Clinically Relevant “Nuts and Bolts” Hospital Microbiology

Dennis Wegner, PhD

Collaborative Laboratory Services – Ottumwa, Iowa

Sponsored by BD

Thursday April 30, 2009

Program Description

This one-day intermediate level program will focus on the challenges faced by the bench microbiologist in providing cost effective, clinically relevant microbiology. Dr Dennis Wegner will show how applying the latest microbiology techniques and approaches in hospitals of all sizes, including intermediate and smaller sized community hospitals, can provide high quality, patient care oriented microbiology at a minimum cost, that increases prospective payment reimbursements, reduces hospital stays, and improve a hospital's bottom line.

All participants will receive CLSI/NCCLS formatted bacteriology procedures they can immediately use in their own laboratories along with the complete presentation on CD.

Topics

- * **MRSA's - reducing prevalence, infection control controversies, vancomycin monotherapy lethal/serious infection treatment failures, and therapy without IV vancomycin or linezolid**
- * Using direct specimen gram stains to define appropriate antibiotic therapy for life threatening infections and to decide which pathogens warrant susceptibility testing
- * Medical and financial necessity for microbiology laboratory broad spectrum active intervention in antibiotic therapies to improve outcomes and reduce hospital stays
- * Blood culture techniques that increase sensitivity and reduce complications of undiagnosed septicemia, and optimize septicemia reimbursements.
- * Urine culture techniques that increase sensitivity and reduce confusion reading urine cultures from patients with long term catheters
- * Gram stain directed management of patients with bacterial pneumonia
- * Insensitivity of throat rapid streptococcal antigen detection kits and single blood agar plate throat cultures
- * Wounds, catheters, anaerobic cultures
- * Stool cultures, shiga toxin testing to detect non O157 E coli diarrhea
- * Easy, inexpensive in-house diagnosis of Giardia and Cryptosporidium
- * Effective communication with physicians and prospective payment coders
- * Clinical microbiology technologists vs plate jockeys

Faculty

Dennis Wegner, Ph.D

Is the consulting clinical microbiologist at Collaborative Laboratory Services in Ottumwa, Iowa, a laboratory group that services 6 community hospitals in southeast Iowa. Dr. Wegner has authored numerous articles, conducted several national teleconferences, and, over a 26 year period, has presented many workshops nationally and internationally

Agenda

- 7:30- 8:00 Registration
- 8:00-9:30 Course overview
Legally surviving proficiency testing
No mercy for MRSA – reducing prevalence, infection control
cost effective therapy without vancomycin or linezolid
- 9:30-9:45 Break
- 9:45-11:30 Microbiology broad spectrum antibiotic therapy active intervention
Improving gram stain quality
Blood cultures techniques that increase sensitivity and optimize septicemia reimbursement
- 11:30-12:30 Lunch
- 12:30-2:15 “Go with the flow” urine cultures
Gram stain directed therapy of bacterial pneumonia and optimizing prospective payment pneumonia reimbursements
Throat cultures and inadequacies of rapid Streptococcal antigen testing
- 2:15- 2:30 Break
- 2:30-3:45 Quantitative scoring gram stain diagnosis of bacterial vaginosis,
BV associated adverse pregnancy outcomes, and non culture diagnosis of BV
Other “germs of endearment”
“Stool school”
Wounds, exudates, drainages
- 3:45-4:00 “Stretch break”
- 4:00-4:30 cerebral spinal fluid cultures
Eye, ear, mastoid cultures
- 4:30-5:00 Open discussion on “buggy questions that are bugging you”

Dennis Wegner, PhD
Collaborative Laboratory Services
Ottumwa, Iowa

800-955-4008 / 641-684-4621 (Work)
641-799-1951 (Cell phone/voice mail/after hours & evenings)
dwegner@orhc.com