EVIDENCE-BASED DIAGNOSIS:

Advanced Workshop on Evaluating and Using Medical Tests for Clinicians, Educators, Editors, and Policy Makers

June 20-21, 2013

China Basin Landing
185 Berry Street
Lobby 3, Room 6702
San Francisco, CA

COURSE CHAIR
Michael A. Kohn, MD, MPP
Associate Professor of Epidemiology & Biostatistics,
University of California, San Francisco;
Attending Emergency Physician,
Mills-Peninsula Medical Center

COURSE CO-CHAIRS
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Chief, Division of Clinical Epidemiology, Professor, Departments of Epidemiology & Biostatistics and Pediatrics;
Attending Physician, Department of Pediatrics,
University of California, San Francisco

Christopher R. Carpenter, MD
Associate Professor of Emergency Medicine, Director, Evidence-Based Medicine, Washington University School of Medicine,
St. Louis; Evidence-Based Diagnostics Section Editor, Academic Emergency Medicine
Medicine today relies increasingly on diagnostic, prognostic, and screening tests. We spend vast resources on testing, and new tests are being developed and marketed all the time. Medical professionals, educators, policy makers, journal editors, and researchers need to know how to:

- critically appraise a journal article about a new test;
- determine if the new test is superior to an existing test;
- determine if the new test adds anything to the history, physical exam, and other tests;
- use the new test in clinical practice and interpret its results.

This hands-on workshop uses real examples from the medical literature and clinical practice to help practitioners, teachers, policy makers, and researchers learn how to evaluate and use medical tests. These skills are hard to learn just by reading articles and books or by listening to lectures. The course faculty has found that the best (and the most fun) way to learn this material is by working through problems in small groups. We are clinician-teachers, policy makers, editors, and researchers in several different specialties (Emergency Medicine, Pediatrics, Internal Medicine, Obstetrics and Gynecology, Radiology, Neurology, and Family Medicine). Like you, we struggle to keep up with the rapid advances in diagnostic technology and stay abreast of changes in testing strategies.

While most of the course will cover diagnostic and prognostic tests, the Friday afternoon session will focus on controversies in breast, cervical, prostate, colon, and lung cancer screening.

The course venue is located in the UCSF Department of Epidemiology and Biostatistics at China Basin Landing, 1 block from the San Francisco CalTrain station and Muni lines N, T, 30, 45, and 47. It is also right across 3rd Street from AT&T Park, where the World Champion San Francisco Giants will be playing the Miami Marlins on the Thursday evening and Friday morning between the first and second days of the course. We have reserved a block of tickets on the Club Level and will have a faculty and attendee reception with food and beverages prior to the game (optional event for extra charge).

This course is presented by the Division of Clinical Epidemiology of the Department of Epidemiology and Biostatistics, UCSF School of Medicine, through the Office of Continuing Medical Education. The textbook “Evidence-Based Diagnosis” by Drs. Newman and Kohn (Cambridge University Press, 2009) is an important component of the curriculum, and you may wish to purchase it in advance to familiarize yourself with the concepts. The course accepts no funding from for-profit corporations.

INTENDED AUDIENCE

The course is aimed primarily at physicians, particularly those in teaching, policy making, editorial, or research positions who are involved in training other clinicians to interpret results, approving tests for clinical use, deciding how to report results, and studying test accuracy. However, it will be valuable for anyone who wishes to critically evaluate and apply clinical research about medical tests. For a preview of the course material, take the online pre-test at http://ebd.studysites.net

OBJECTIVES

After this course participants will be able to improve:

- Application of the principles of diagnostic test assessment, including the calculation and use of interval likelihood ratios and the relationship between these likelihood ratios and the ROC curve;
- Utilization of published ROC curves;
- Identification and correction of under-appreciated flaws, biases, and limitations in studies of diagnostic tests;
- Presentation of diagnostic test information to experienced clinicians;
- Ability to account for special issues related to screening and genetic markers of prognosis and ability to integrate that understanding into selection and interpretation of tests.

ACCREDITATION

The University of California, San Francisco School of Medicine (UCSF) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. UCSF designates this live activity for a maximum of 15.0 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This CME activity meets the requirements under California Assembly Bill 1195, continuing education and cultural and linguistic competency.

Nurses: For the purpose of recertification, the American Nurses Credentialing Center accepts AMA PRA Category 1 Credit™ issued by organizations accredited by the ACCME.

Physician Assistants: AAPA accepts category 1 credit from AOACCME, Prescribed credit from AAFP, and AMA Category 1 Credit for the PRA for organizations accredited by the ACCME.

For more information, please visit the workshop website at http://ebd.studysites.net

For a preview of the course material, take the online pre-test at http://ebd.studysites.net
THURSDAY, JUNE 20, 2013

8:30 am  Continental Breakfast and Registration
9:00  Introduction to the Course and Evidence-based Diagnosis  Michael A. Kohn, MD, MPP
9:15  Inside the Diagnostician’s Mind  Gurpreet S. Dhaliwal, MD
10:00  Dichotomous Tests  Thomas B. Newman, MD, MPH
11:15  Break
11:30  SMALL GROUPS
- Influenza and Pertussis Testing
- Abdominal CT for Appendicitis
- Head CT/LP for Subarachnoid Hemorrhage
1:00 pm  Lunch (Provided)
1:45  Bias in Studies of Diagnostic Tests  Thomas B. Newman, MD, MPH
2:45  Systematic Review of Diagnostic Tests  Christopher R. Carpenter, MD
3:45  Break
4:00  SMALL GROUPS
- Ultrasound for Intussusception, Ectopic Pregnancy, and DVT
- Echocardiogram for Acute Cardiac Ischemia
- Physical Findings for Appendicitis, Elbow Fracture, and Epidural Abscess
5:30  Adjourn for the day, but join the faculty at AT&T Park across the street for a reception and ballgame (optional event with additional fee).

FRIDAY, JUNE 21, 2013

8:30 am  Continental Breakfast
9:00  First Day Recap  Michael A. Kohn, MD, MPP
9:15  Multi-level and Continuous Tests  Michael A. Kohn, MD, MPP
10:15  ROC Curves and Interval Likelihood Ratios  Thomas B. Newman, MD, MPH
11:15  Break
11:30  SMALL GROUPS
- WBC Counts
- BNP, D-Dimer, Serum Lactate
- Stroke Scores
1:00 pm  Lunch (Provided)
1:45  Quantifying Treatment Effects  Mark J. Pletcher, MD, MPH
2:30  Biases in Studies of Screening Programs  Thomas B. Newman, MD, MPH
3:15  Break
3:30  SMALL GROUPS
- CT for Lung Cancer
- Mammography
- Prostate-specific Antigen
- Colonoscopy
- PAP Smear/HPV
5:00  Post-test and Discussion with the Faculty
6:00 pm  Adjourn
GENERAL INFORMATION
Workshop pre-test available online at http://ebd.studysites.net
This no-obligation, 12-question pre-test will give you an idea of the material covered in our workshop. If you enroll in the workshop, we will use your score on this pre-test and your responses to the pre-course survey to place you in a small group with others who have similar backgrounds and interests. You will receive the answer key to this pre-test in your course materials. Pre-registration is recommended to guarantee your space in the course.

HOW TO ENROLL
Tuition: $600 ($550 if textbook purchased separately*)
Physicians/Nurses/Allied Health Professionals/Pharmacists/Residents/Fellows
$750 ($700 if textbook purchased separately*)
Pharmaceutical and Medical Device Industry Rate
$90 Optional Reception and Baseball Game

* Required course textbook “Evidence-Based Diagnosis” by Tom Newman and Michael Kohn, will be handed out at check-in on the first day of class for those who pay the higher rate. Alternatively, we recommend you purchase this book in advance as it can help you prepare for the course. Payment may be made by Visa, MasterCard, AmEx or check.

REGISTRATION
Online: www.cme.ucsf.edu
Mail: Complete course registration form and send with payment to: UCSF Office of CME P.O. Box 45368 San Francisco, CA 94145-0368

Phone: To register by phone or to inquire about registration status, please call UCSF’s CME Registration Office at (415) 476-5808.
Fax: Fax completed registration form to: (415) 502-1795 (be sure to include your credit card number)

REFUND POLICY
Cancellations received in writing before the first day of the course will be refunded, less a $75 administrative fee. No refunds will be made on cancellations received after that date.
No refunds will be given for cancellation to the baseball game and reception.

CONFERENCE LOCATION
China Basin Landing at 185 Berry Street is located just one block from the Caltrain Depot and the Muni metro J and T lines and the 10, 30, 45, and 47 bus lines.
Parking is available at a number of public garages around China Basin Landing. Please note that these garages will charge premium rates on Giants game days.
To reach the classrooms, enter the building at Lobby 3 next to Foccacia Market and take the elevator to the 6th Floor. Turn left as you get off the elevator and walk almost to the end of the hall—the classrooms are on your right.

ADDITIONAL TRAVEL INFORMATION
A block of rooms has been reserved for course participants at the Marriott Marquis Hotel, located at 55 Fourth Street (at Mission Street) in San Francisco. This hotel is a quick bus ride from the conference location on the 30 or 45 Muni lines.
Room Rate: $269/night (limited availability)
Cut-off date: 5/29/13
To make your reservation call: 800-228-9290
Refer to the “UCSF Courtesy Room Block” to receive the discounted rate.

Some comments from previous course attendees:

“This was my second go at it; I learned a lot last year, and even more this year. I probably could have another go at it and still learn even more. The format is far superior to the usual passive learning experience characteristic of most, if not all, CME activities.”

“This was a great course! Even though I did fairly well on the pre-test, I have a much better and more comprehensive understanding of the material and I know it will be extremely useful in my career.”

“BEST CME I have taken in years. I can honestly say I learned A LOT in those 2 days. … Overall, it was a well-run, very interesting and very productive workshop. Definitely worth flying across the country for.”

“The small group sessions were the best part of the course. It was great to be in the same group throughout the course so that a group dynamic could be established. The small size of the group was also much appreciated, which allowed everyone to participate and be involved.”

“The atmosphere was welcoming and friendly and the attendees an interesting and eclectic group.”
For more information or to register online visit our website at www.cme.ucsf.edu. You may also reach us by calling the Office of CME at (415) 476-4251 or email info@ocme.ucsf.edu.

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FACULTY
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Professor of Family & Community Medicine, and of Epidemiology & Biostatistics, University of California, San Francisco

Attending Physician, UCSF Lakeshore Family Medicine Center

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Assistant Professor of Clinical Radiology, Associate Program Director, Nuclear Medicine Residency, University of California, San Francisco

FAULTY (CON’T)
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Delphine S. Tuot, MD, MAS
Division of Nephrology and Center for Innovation in Access and Quality, San Francisco General Hospital Assistant Professor, Department of Medicine, UCSF Attending Physician, San Francisco General Hospital

Cover Photo courtesy of SFCVB - Doug Peebles
ADVANCED WORKSHOP ON EVALUATING AND USING MEDICAL TESTS FOR CLINICIANS, EDUCATORS, EDITORS, AND POLICY MAKERS

June 20-21, 2013
China Basin Landing • 185 Berry Street, Lobby 3, Room 6702
San Francisco, California

Mail to: UCSF Office of CME
P.O. Box 45368
San Francisco, CA 94145-0368
Fax: (415) 502-1795

Online registration: www.cme.ucsf.edu
Registration Information: (415) 476-5808
Course Information: (415) 476-4251

Dr.  Mr.  Mrs.  Ms.

Last Name  First  M.I.
Degree  Specialty
Address
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Email

Would you like to be on our priority email list?  Yes  No

Date of birth to be used as OCME registrant number: ___ ___ / ___ ___ / ___ ___

Please indicate if you have any special needs: ____________________________________

Registration Fees (Receipt/Confirmation will be mailed within two to four weeks):

$600  Physicians/Allied Health Providers  (Price includes required course book
“Evidence-Based Diagnosis” provided at the course)

$550  Physicians/Allied Health Providers  (Price does not include required course book)

$750  Industry  (Price includes required course book)

$700  Industry  (Price does not include required course book)

$90  Optional Reception and Baseball Game – San Francisco Giants vs. Miami Marlins
(Cub Level)

Make checks payable to UC Regents

Please charge my credit card:  Visa  MasterCard  AmEx

Card #  Expiration date

Name on Card (Please Print)  Authorized Signature

Refund Policy: Cancellations received in writing before the first day of the course will be refunded, less a $75 administrative fee. No refunds will be made on cancellations received after that date.

Please check our website for up to date information on the course: www.cme.ucsf.edu.

On-Site Registration
Date: Thursday, June 20, 2013
Time: 8:30 AM
Location: China Basin Landing
185 Berry Street
Lobby 3, Room 6702
San Francisco, CA 94158