Molecular Predictive Markers of Breast Cancer: Risks and Benefits of Therapy

February 15, 2008

Mayo Clinic, Kinne Auditorium
Jacksonville, Florida

Course Directors
Edith A. Perez, MD
Lynn C. Hartmann, MD
Frances M. Palmieri, RN, MSN, OCN

What you will learn:
• Genetic markers as predictors of targeted therapy
• Value of gene profiles as predictors of benefits to adjuvant tamoxifen/aromatase inhibitor therapy
• Molecular markers and gene microarray studies
• Targeted therapy and toxicity – cost issues
• Cancer survivorship
• Promising studies and pipeline drugs

For more information and to register:
Register online:  www.mayo.edu/cme
Call:  800-462-9633 or 904-953-2598
Email:  cme-jax@mayo.edu

In conjunction with
26.2 with Donna -
The National Marathon to
Fight Breast Cancer
(www.breastcancermarathon.com)

February 17, 2008
in Jacksonville, FL
COURSE DESCRIPTION
Understanding and identifying molecular predictive markers for breast cancer and the risks and benefits of therapy help to optimize patient care and to outline strategies for effective drug development. Attendees will have ample time for questions and answers with the faculty and will leave with information which will have direct clinical impact for their practice.

COURSE LEARNING OBJECTIVES
At the conclusion of this course, participants should be able to:
• List markers for increased risk of breast cancer in benign breast biopsies.
• Discuss the role of molecular markers as predictors of benefits of HER2 targeted therapy.
• Differentiate molecular predictors of efficacy of non-HER2 targeted therapies.
• Explain the role of molecular predictors to benefit anti-estrogen therapy.
• Interpret the predictive role of BRCA1-2 and other genes for breast cancer risk.
• Analyze the status and role of “pipeline” novel targeted drugs in early development.
• Summarize important highlights from the San Antonio Breast Cancer Symposium 2007.
• Identify processes to integrate your role of providing cancer survivorship planning into everyday practice.

Attendance at this Mayo course does not indicate nor guarantee competence or proficiency in the performance of any procedures, which may be discussed or taught in this course.

INTENDED AUDIENCE
This course is intended for medical oncologists, scientists and others interested in cutting edge research in breast cancer.

CREDIT
Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Mayo Clinic College of Medicine designates this educational activity for a maximum of 4.0 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Nurses and pharmacists are eligible to receive up to 4.0 hours of credit from Florida Board of Nursing, CE Broker #123455

EDUCATIONAL GRANTS
This course is supported in part by educational grants from multiple companies in accordance with ACCME Standards.

At the time of this printing a complete listing of commercial supporters was not available. Appropriate acknowledgment will be given to all supporters at the time of the meeting.
DATE AND LOCATION
This course will be held Friday, February 15, 2008. Course headquarters will be located in Kinne Auditorium in the Cannaday Building on the campus of Mayo Clinic, 4500 San Pablo Road, Jacksonville, Florida. Jacksonville International Airport (JAX) is approximately 45 minutes north of Mayo Clinic and is served by most major airlines.

REGISTRATION
Register online at www.mayo.edu/cme or complete the attached registration form and return by mail or fax. The registration fee includes tuition, continental breakfast, and break refreshments. Although it is not Mayo School of Continuing Medical Education policy to limit the number of registrants for a course, the meeting space may dictate closure of enrollment. Registrations are accepted on a first-come, first-served basis. A letter of confirmation will be sent upon receipt of payment and completed registration form. Please present this letter when checking in at the meeting registration desk.

CANCELLATION POLICY
Your registration fee, less a $50 administrative fee, will be refunded when written notification is received by the Mayo School of Continuing Medical Education before January 25, 2008 (fax#: 904-953-2954). No refunds will be made after January 25.

 Lodging Accommodations
Participants in this educational activity may utilize hotel accommodations listed on www.breastcancermarathon.com site. Please book early and identify yourself as a participant in breast cancer marathon activities. Hotel accommodations are the responsibility of the attendee. We encourage you to book early. Hertz has extended special rates for this Mayo CME course. Meeting reservations can be booked online at hertz.com or by calling Hertz at 1-800-654-2240 and referring to CV#03S00003. Hotel accommodations and travel are the responsibility of the attendee.

MAYO CLINIC FACULTY
Edith A. Perez, MD *
Professor of Medicine
College of Medicine, Mayo Clinic
Jacksonville, Florida

Lynn C. Hartmann, MD*
Professor of Oncology
College of Medicine, Mayo Clinic
Rochester, Minnesota

Frances M. Palmieri, RN, MSN, OCN*
Mayo Clinic Breast Clinic
Nurse Manager
Jacksonville, Florida

*Course Directors

FACULTY DISCLOSURE
As a provider accredited by ACCME, Mayo Clinic College of Medicine (Mayo School of CME) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course director(s), planning committee, faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty also will disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.
DISTINGUISHED GUEST FACULTY

José Baselga, MD
Hospital Vall D’Hebron
Barcelona, Spain

Julie Gralow, MD
Associate Professor
University of Washington
Seattle Cancer Care Alliance
Seattle, Washington

Clifford A. Hudis, MD
Associate Professor
Memorial Sloan-Kettering Cancer Center
New York, New York

Susan M. Love, MD
The Dr. Susan Love Research Foundation
Pacific Palisades, California

Mark D. Pegram, MD
Professor of Medicine
University of Miami
Miller School of Medicine
Miami, Florida

Kathleen I. Pritchard, MD
Professor, Department of Medicine
Sunnybrook Odette Cancer Centre
University of Toronto,
Ontario, Canada

PROGRAM - FRIDAY, FEBRUARY 15, 2008

7:00-7:55 am Registration and Continental Breakfast
8:00 Welcome and PreTest
8:10 Markers for increased breast cancer risk in benign breast biopsies, including new data on lobular involution and new risk models
  Lynn C. Hartmann, MD
8:30 Molecular markers as predictors of sensitivity or resistance to HER2 targeted therapy: research vs current applicability
  José Baselga, MD
8:50 Selection of patients for anthracyclines and non-HER2 targeted therapies based on molecular markers
  Mark Pegram, MD
9:10 Can we decide who needs anthracyclines based on molecular markers?
  Kathleen I. Pritchard, MD
9:30 Panel Discussion
10:00 Break
10:20 Protein and gene predictors of benefit to anti-estrogen therapy (selective estrogen receptor modulators and aromatase inhibitors)
  Clifford Hudis, MD
10:40 Novel targeted drugs: what targets, what agents?
  Julie Gralow, MD
11:00 Summary of highlights from the San Antonio Breast Cancer Symposium 2007: Clinical and research implications
  Edith A. Perez, MD
11:20 Cancer survivorship: new data
  Susan M. Love, MD
11:40 Panel Discussion
12:10 pm Post Test
12:20 Adjourn
**Molecular Predictive Markers of Breast Cancer: Risks and Benefits of Therapy**  
February 15, 2008

Register On-Line: [www.mayo.edu/cme](http://www.mayo.edu/cme)  
or Mail form and payment to:  
Mayo School of Continuing Medical Education  
4500 San Pablo Road  
Jacksonville, FL 32224  
ATTN: Registrar MPM08

Telephone: 800-462-9633  
Office: 904-953-2598  
Fax: 904-953-2954  
Email: cme-jax@mayo.edu

---

Please print or type all information. You may reproduce this form for multiple registrations

<table>
<thead>
<tr>
<th>First Name</th>
<th>M.I.</th>
<th>Last Name</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Medical Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mailing Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City</th>
<th>State</th>
<th>Zip</th>
<th>County</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Telephone</th>
<th>Business Telephone</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FAX**  
☐ Check here if you have any special accommodations or dietary needs.  
Please indicate your needs here:

**Registration Fee:**  
- Physicians and Scientists – $125  
- Residents, PA’s, Nurses – $95  
Total Payment Enclosed: $ ______

**Payment Method**  
☐ Check Enclosed (make checks payable to *Mayo Clinic Education*)  
☐ Credit Card:  
☐ Visa  
☐ MasterCard

<table>
<thead>
<tr>
<th>Card Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Expires (Mo/Yr):</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signature</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Molecular Predictive Markers of Breast Cancer: Risks and Benefits of Therapy

February 15, 2008

www.mayo.edu/cme

©2007, Mayo Foundation for Medical Education and Research (MFMER). All rights reserved. MAYO, MAYO CLINIC and the triple-shield Mayo logo are trademarks and service marks of MFMER.