# Breast Cancer®

# An Audio Review Journal for Nurses

Management of Breast Cancer in the Adjuvant and Metastatic Settings

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Neil Love, MD

#### INTERVIEWS

Howard A Burris III, MD Frances M Palmieri, RN, MSN, OCN Edith A Perez, MD

#### ROUNDTABLE DISCUSSION

Charles E Geyer Jr, MD John Mackey, MD





#### A Continuing Nursing Education Audio Series

#### STATEMENT OF NEED/TARGET AUDIENCE

Medical oncology, particularly breast cancer, is one of the most rapidly advancing and developing fields of medicine. The constant emergence of new systemic agents, new indications for existing agents, novel therapies, clinical trials and research data demands that oncology nurses remain dedicated to continuing education in order to offer their patients the best care possible. This program provides nurses with access to the most up-to-date research developments in breast cancer and the opinions of oncology nurses and clinical investigators with experience and expertise in the field. This information can be effectively translated into everyday management decisions.

#### PURPOSE STATEMENT

To present the most current research developments in breast cancer and to provide the perspectives of medical oncologists and oncology nurses on the diagnosis and treatment of breast cancer.

## EDUCATIONAL OBJECTIVES FOR THIS ISSUE OF BREAST CANCER UPDATE FOR NURSES

- Discuss the clinical implications of emerging clinical trial data in breast cancer, and apply this information to strategies in the (neo)adjuvant and metastatic settings.
- Evaluate the benefits and risks of endocrine therapy for the treatment of hormone receptor-positive breast cancer, and integrate this information into clinical practice.
- Describe the benefits and risks of various chemotherapeutic agents and regimens in the adjuvant and metastatic settings, and discuss this information with patients.
- Counsel appropriately selected patients about the risks and benefits of biologic agents in the adjuvant and metastatic settings.
- Implement strategies, including supportive care measures and patient education, to minimize and manage toxicities secondary to systemic therapies.
- Determine the value of genetic assays and computerized risk models for predicting a patient's risk of breast cancer recurrence and the benefit of adjuvant therapy.
- Explain the psychosocial and emotional needs of caregivers, patients and their loved ones, and prepare
  management strategies that encompass care for the patient as a whole.

#### ACCREDITATION STATEMENTS

This educational activity for 2.8 contact hours is provided by Research To Practice during the period of April 2008 through April 2009.

Research To Practice is an approved provider of continuing nursing education by the New Jersey State Nurses Association, Provider Number P215-01/07-10. NJSNA is accredited by the ANCC Commission on Accreditation. Provider Approval is valid through January 31, 2010.

#### HOW TO USE THIS CNE ACTIVITY

This is an audio CNE program. This book contains CNE information, including learning objectives, faculty disclosures, a Post-test and an Educational Assessment and Credit Form. The corresponding website **BreastCancerUpdate.com/Nurses** also includes links to relevant abstracts and full-text articles.

The Post-test and Educational Assessment and Credit Form may be completed in this book and either mailed to Research To Practice, 2 South Biscayne Blvd, Suite 3600, Miami, FL 33131 or faxed to (800) 447-4310. They may also be completed online. A statement of credit will be issued only upon receipt of a completed Post-test with a score of 70 percent or better and a completed Educational Assessment and Credit Form. Your statement of credit will be mailed to you within three weeks or may be printed online.

This program is supported by educational grants from Abraxis BioScience, AstraZeneca Pharmaceuticals LP, Genentech BioOncology and Genomic Health Inc.

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FACULTY — **Dr Geyer** — No real or apparent conflicts of interest to disclose. The following faculty (and their spouses/ partners) reported real or apparent conflicts of interest, which have been resolved through a conflict of interest resolution process: **Dr Burris** — Consulting Fees: Celgene Corporation, Keryx Biopharmaceuticals Inc, Novartis Pharmaceuticals Corporation; Fees for Non-CME Services Received Directly from Commercial Interest or Their Agents: Sanofi-Aventis. **Dr Mackey** — Honoraria: Amgen Inc, AstraZeneca Pharmaceuticals LP, Roche Laboratories Inc; Speakers Bureau: Abraxis BioScience, Genentech BioOncology. **Dr Perez** — Contracted Research: Genentech BioOncology, GlaxoSmithKline, Novartis Pharmaceuticals Corporation, Sanofi-Aventis.

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### Breast Cancer Update for Nurses — Issue 1, 2008

#### QUESTIONS (PLEASE CIRCLE ANSWER):

In the TAILORx study, patients with an intermediate recurrence score according to the Oncotype DX™ assay are randomly assigned to receive endocrine therapy with or without      a. Chemotherapy     b. Bevacizumab     c. Trastuzumab     d. Lapatinib	6. Potential side effects of bevacizumab include which of the following?  a. Hypertension b. Hand-foot syndrome c. Proteinuria d. Both a and c  7. Benefits of nanoparticle albumin-bound (nab) paclitaxel include which of the following?
2. Which endocrine agent is administered by intramuscular injection?  a. Anastrozole  b. Exemestane  c. Fulvestrant  d. Tamoxifen	a. Avoidance of premedications     b. Shorter infusion time than standard paclitaxel     c. Oral administration     d. Both a and b  8. Data presented by Fabian and colleagues
3. Clinical trials have reported that adjuvant trastuzumab administered to a patient with HER2-positive breast cancer reduces her risk of recurrence by approximately  a. 10 percent b. 20 percent c. 30 percent d. 50 percent	showed that in patients with hypovitaminosis D prior to the initiation of an adjuvant aromatase inhibitor, vitamin D supplementation during therapy resulted in improvement in which of the following symptoms?  a. Alopecia b. Hand-foot syndrome c. Musculoskeletal complaints d. Nausea and vomiting
4. In a clinical trial evaluating trastuzumab with or without anastrozole in postmenopausal patients with HER2-positive, hormone-receptive metastatic breast cancer, an incremental efficacy benefit observed with the combined regimen.  a. Was  b. Was not	9. In a UCLA study combining bevacizumab with trastuzumab for patients with advanced, HER2-positive breast cancer, the response rate was approximately percent.  a. 10 b. 30 c. 50
5. The ALTTO adjuvant trial for patients with HER2-positive breast cancer is evaluating  a. Trastuzumab for one year b. Lapatinib for one year c. Combination lapatinib and trastuzumab d. Sequence of the two agents e. All of the above	d. 70  10. At five years after the initial treatment for early breast cancer, the risk of relapse is higher for women with hormone receptor————————————————————————————————————

#### EDUCATIONAL ASSESSMENT AND CREDIT FORM

#### Breast Cancer Update for Nurses — Issue 1, 2008

Research To Practice is committed to providing valuable continuing education for oncology clinicians, and your input is critical to helping us achieve this important goal. Please take the time to assess the activity you just completed, with the assurance that your answers and suggestions are strictly confidential.

#### PART ONE — Please tell us about your experience with this educational activity BEFORE completion of this activity, how would AFTER completion of this activity, how would you characterize your level of knowledge on you characterize your level of knowledge on the following topics? the following topics? 4 = Expert 3 = Above average 2 = Competent 1 = Insufficient4 =Expert 3 =Above average 2 =Competent 1 =Insufficient Adjuvant endocrine therapy for Adjuvant endocrine therapy for hormone-receptive breast cancer . . . . . . . . 4 3 2 1 hormone-receptive breast cancer . . . . . . . . 4 3 2 1 Targeted therapies for HER2-positive Targeted therapies for HER2-positive Use of Oncotype DX in adjuvant Use of Oncotype DX in adjuvant Role of bevacizumab in the adjuvant and Role of bevacizumab in the adjuvant and metastatic settings......4 3 2 1 metastatic settings......4 3 2 1 Was the activity evidence based, fair, balanced and free from commercial bias? Ves □ No Will this activity help you improve patient care? ☐ No ☐ Not applicable Did the activity meet your educational needs and expectations? If no, please explain: Please respond to the following LEARNER statements by circling the appropriate selection: 4 = Yes 3 = Will consider 2 = No 1 = Already doing N/M = Learning objective not met N/A = Not applicable As a result of this activity, I will: Discuss the clinical implications of emerging clinical trial data in breast cancer, and apply this information to strategies in the (neo)adjuvant and metastatic settings. . . . 4 3 2 1 N/M N/A • Evaluate the benefits and risks of endocrine therapy for the treatment of hormone receptor-positive breast cancer, and integrate this information into clinical practice.......4 3 2 1 N/M N/A Describe the benefits and risks of various chemotherapeutic agents and regimens in the adjuvant and metastatic settings, and discuss this information with patients. . . . . . . 4 3 2 1 N/M N/A Counsel appropriately selected patients about the risks and benefits of biologic • Implement strategies, including supportive care measures and patient education, • Determine the value of genetic assays and computerized risk models for predicting a patient's risk of breast cancer recurrence and the benefit of adjuvant therapy.............4 3 2 1 N/M N/A • Explain the psychosocial and emotional needs of caregivers, patients and their loved ones, and prepare management strategies that encompass care for the What other practice changes will you make or consider making as a result of this activity? What additional information or training do you need on the activity topics or other oncologyrelated topics?

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This program is supported by educational grants from Abraxis BioScience, AstraZeneca Pharmaceuticals LP, Genentech BioOncology and Genomic Health Inc.



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Last review date: April 2008 Release date: April 2008 Expiration date: April 2009 Contact hours: 2.8