

Breast Cancer[®]

U P D A T E

An Audio Review Journal for Nurses

Management of Breast Cancer in the Adjuvant and Metastatic Settings

EDITOR

Neil Love, MD

INTERVIEWS

Peter M Ravdin, MD, PhD

Lillie Shockney, RN, BS, MAS

*Additional comments by
two women with breast cancer*



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 systemic agents, novel therapies, clinical trials and research findings demands that oncology nurses remain dedicated to continuing education in order to offer their patients the best care possible. This program provides registered nurses 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 patient management decisions.

PURPOSE STATEMENT

To present the most current research developments in breast cancer and to provide the perspectives of medical oncologists, oncology nurses and patients 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 treatment and how to incorporate these data into management strategies in the adjuvant, neoadjuvant and metastatic settings.
- Discuss the selection and sequencing of endocrine therapy in the adjuvant and metastatic settings.
- Describe the risks and benefits of chemotherapeutic agents and regimens in the adjuvant and metastatic settings.
- Describe the computerized risk models and genetic markers to determine prognostic information on the quantitative risk of breast cancer relapse.
- Explain the risks and benefits of incorporating biologic agents in the adjuvant and metastatic settings.
- Discuss psychosocial and emotional needs of caregivers, patients and their loved ones associated with the diagnosis and treatment of breast cancer.

ACCREDITATION STATEMENTS

This educational activity for 2.7 contact hours is provided by Research To Practice during the period of July 2007 through July 2008.

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 Evaluation Form. The corresponding website BreastCancerUpdate.com/Nurses also includes links to relevant abstracts and full-text articles.

The Post-test and Evaluation 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 Evaluation Form. Your statement of credit will be mailed to you within three weeks or may be printed online.

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CONTENT VALIDATION AND DISCLOSURES

Research To Practice is committed to providing its participants with high-quality, unbiased and state-of-the-art education. We assess potential conflicts of interest with faculty, planners and managers of CNE activities. Real or apparent conflicts of interest are identified and resolved by a peer review content validation process. The content of each activity is reviewed by both a member of the scientific staff and an external, independent reviewer for fair balance, scientific objectivity of studies referenced and patient care recommendations.

The scientific staff and consultants for Research To Practice are involved in the development and review of content for educational activities and report the following real or apparent conflicts of interest for themselves (or their spouses/partners) that have been resolved through a peer review process: John Brebner, Richard Kaderman, PhD, Neil Love, MD, Paula Mateo, RN, BA, Donna Neil, RNC, Douglas Paley, Margaret Peng, Lilliam Sklaver Poltorack, PharmD, Ginelle Suarez, Jean Treacy, RN, CS, AOCNP, Erin Wall and Kathryn Ault Ziel, PhD — no real or apparent conflicts of interest to report; Aviva Asnis-Alibozek, PA-C, MPAS — salary: AstraZeneca Pharmaceuticals LP; shareholder of AstraZeneca Pharmaceuticals LP; Sally Bogert, RNC, WHCNP — shareholder of Amgen Inc and Genentech BioOncology. Research To Practice receives education grants from Abraxis BioScience, Amgen Inc, AstraZeneca Pharmaceuticals LP, Bayer Pharmaceuticals Corporation/Onyx Pharmaceuticals Inc, Biogen Idec, Genentech BioOncology/OSI Pharmaceuticals Inc, Genomic Health Inc, GPC Biotech, Roche Laboratories Inc and Sanofi-Aventis, who have no influence on the content development of our educational activities.

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Dr Ravdin — Consulting Fees: AstraZeneca Pharmaceuticals LP, Sanofi-Aventis; Ownership Interest: Adjuvant Inc.

Ms Shockney — Speakers Bureau: Genentech BioOncology, Pfizer Inc.

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Breast Cancer Update for Nurses — Issue 3, 2007**QUESTIONS (PLEASE CIRCLE ANSWER):**

1. According to Ravdin and colleagues, the decrease in breast cancer incidence between 2002 and 2003 seems to be temporally related to the Women's Health Initiative report on the use of hormone replacement therapy (HRT) among postmenopausal women in the United States and the ensuing drop in HRT use.
 - a. True
 - b. False
2. Data released in 2002 from the Women's Health Initiative evaluating HRT showed that women on HRT had an increased risk of _____.
 - a. Heart disease
 - b. Stroke
 - c. Breast cancer
 - d. All of the above
3. In the TAILORx study, patients with an intermediate Oncotype DX™ score are randomly assigned to receive endocrine therapy with or without _____.
 - a. Chemotherapy
 - b. Bevacizumab
 - c. Trastuzumab
4. Which of the following is an advantage associated with *nab* paclitaxel?
 - a. No need to administer premedication
 - b. Shorter infusion time
 - c. Both a and b
5. In a clinical trial that compared doxorubicin/cyclophosphamide (AC) to docetaxel/cyclophosphamide (TC) in the adjuvant setting, which of the regimens was more efficacious?
 - a. AC
 - b. TC
6. Bevacizumab is a targeted therapy that tends to be _____ tolerated than traditional chemotherapy.
 - a. Better
 - b. More poorly
7. Potential side effects associated with the use of docetaxel include which of the following?
 - a. Lacrimal drainage obstruction
 - b. Fatigue
 - c. Nail changes
 - d. All of the above
8. Which endocrine agent is administered by intramuscular injection?
 - a. Tamoxifen
 - b. Anastrozole
 - c. Letrozole
 - d. Fulvestrant
9. Aromatase inhibitors are associated with an increased incidence of _____.
 - a. Thrombosis
 - b. Endometrial cancer
 - c. Arthralgias
10. In the BCIRG 006 trial, the combination of docetaxel, carboplatin and trastuzumab in the adjuvant setting caused a similar reduction in the risk of recurrence as the anthracycline/taxane/trastuzumab combination.
 - a. True
 - b. False

EVALUATION FORM

Breast Cancer Update for Nurses — Issue 3, 2007

Research To Practice respects and appreciates your opinions. To assist us in evaluating the effectiveness of this activity and to make recommendations for future educational offerings, please take a few minutes to complete this Evaluation Form. A statement of credit will be issued only upon receipt of a completed Evaluation Form and a completed Post-test with a score of 70 percent or better.

Please answer the following questions by circling the appropriate rating:

5 =
Outstanding

4 =
Good

3 =
Satisfactory

2 =
Fair

1 =
Poor

EXTENT TO WHICH PROGRAM ACTIVITIES MET THE IDENTIFIED GOAL

- To present the most current research developments in breast cancer and to provide the perspectives of medical oncologists, oncology nurses and patients on the diagnosis and treatment of breast cancer 5 4 3 2 1

EXTENT TO WHICH PROGRAM ACTIVITIES MET THE IDENTIFIED OBJECTIVES

Upon completion of this activity, participants should be better able to:

- Discuss the clinical implications of emerging clinical trial data in breast cancer treatment and how to incorporate these data into management strategies in the adjuvant, neoadjuvant and metastatic settings 5 4 3 2 1
- Discuss the selection and sequencing of endocrine therapy in the adjuvant and metastatic settings 5 4 3 2 1
- Describe the risks and benefits of chemotherapeutic agents and regimens in the adjuvant and metastatic settings 5 4 3 2 1
- Describe the computerized risk models and genetic markers to determine prognostic information on the quantitative risk of breast cancer relapse 5 4 3 2 1
- Explain the risks and benefits of incorporating biologic agents in the adjuvant and metastatic settings 5 4 3 2 1
- Discuss psychosocial and emotional needs of caregivers, patients and their loved ones associated with the diagnosis and treatment of breast cancer 5 4 3 2 1

EFFECTIVENESS OF THE INDIVIDUAL FACULTY MEMBERS

Faculty	Knowledge of subject matter	Effectiveness as an educator
Peter M Ravdin, MD, PhD	5 4 3 2 1	5 4 3 2 1
Lillie Shockney, RN, BS, MAS	5 4 3 2 1	5 4 3 2 1

OVERALL EFFECTIVENESS OF THE ACTIVITY

- Will assist me in improving patient care. 5 4 3 2 1
- Fulfilled my educational needs. 5 4 3 2 1
- Avoided commercial bias or influence. 5 4 3 2 1

IMPACT OF THE ACTIVITY

The information presented (check all that apply):

- Reinforced my current practice/treatment habits. Enhanced my current knowledge base.

EVALUATION FORM

Breast Cancer Update for Nurses — Issue 3, 2007

IMPACT OF THE ACTIVITY (CONTINUED)

Will the information presented cause you to make any changes in your practice?

- Yes No

If yes, please describe any change(s) you plan to make in your practice as a result of this activity:

If yes, how committed are you to making these changes?

(5 = very committed; 1 = not at all committed) 5 4 3 2 1

FUTURE ACTIVITIES

Do you feel future activities on this subject matter are necessary and/or important to your practice?

- Yes No

Please list any other topics that would be of interest to you for future educational activities:

Additional comments about this activity:

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- Yes, I am willing to participate in a follow-up survey. No, I am not willing to participate in a follow-up survey.

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