

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

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INTERVIEWS

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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 demand 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 2.6 contact hours is provided by Research To Practice during the period of May 2007 through May 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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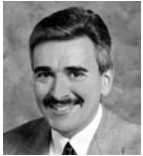
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CONTENT VALIDATION AND DISCLOSURES

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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 H Brebner, Richard Kaderman, PhD, Joanne Librie, RN, Neil Love, MD, Anne O'Connor, RN, MSN, AOCN, 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; 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, Roche Laboratories Inc and Sanofi-Aventis, who have no influence on the content development of our educational activities.

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Dr Sparano — Consulting Fees: Genentech BioOncology, Sanofi-Aventis. **Dr Budman** — Fees for Non-CME Services Received Directly from Commercial Interest or Their Agents: AstraZeneca Pharmaceuticals LP, Eli Lilly and Company, GlaxoSmithKline, Roche Laboratories Inc, Sanofi-Aventis. **Ms Preston** — Speakers Bureau: Abraxis BioScience, Amgen Inc, Bristol-Myers Squibb Company, MGI Pharma Inc. **Dr Livingston** — No financial interests or affiliations to disclose.

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Breast Cancer Update for Nurses — Issue 2, 2007**QUESTIONS (PLEASE CIRCLE ANSWER):**

1. Aromatase inhibitors as monotherapy can be effective in _____ patients with ER-positive breast cancer.
 - a. Premenopausal
 - b. Postmenopausal
 - c. Both pre- and postmenopausal
2. Clinical trials have demonstrated that bone loss secondary to aromatase inhibitors can be abrogated with the use of bisphosphonates.
 - a. True
 - b. False
3. In the TAILORx trial, patients with an intermediate *Oncotype DX*TM score (11 to 25) are randomly assigned to receive endocrine therapy with or without _____.
 - a. Chemotherapy
 - b. Bevacizumab
 - c. Trastuzumab
4. The *Oncotype DX* assay assists clinical decision-making in selecting adjuvant therapy for patients with node-_____, hormone receptor-positive, early breast cancer.
 - a. Positive
 - b. Negative
5. In the HERA trial, patients began treatment with trastuzumab _____ chemotherapy.
 - a. Concurrently with
 - b. Sequentially following
6. In a clinical trial reported by Jones and colleagues that compared doxorubicin/cyclophosphamide (AC) to docetaxel/cyclophosphamide (TC) in the adjuvant setting, which regimen demonstrated superior efficacy?
 - a. AC
 - b. TC
7. In the ECOG trial comparing paclitaxel with or without bevacizumab in the metastatic setting, the addition of bevacizumab significantly _____ the duration of progression-free survival.
 - a. Increased
 - b. Decreased
8. In a randomized trial comparing *nab* paclitaxel to traditional paclitaxel, both given every three weeks, which agent resulted in improved response rates and longer time to progression?
 - a. *Nab* paclitaxel
 - b. Paclitaxel
9. Which of the following is associated with the use of *nab* paclitaxel?
 - a. Fewer allergic reactions
 - b. Premedication
 - c. Shorter infusion time
 - d. Both a and c
10. Clinical trials have reported that adjuvant trastuzumab administered to patients with HER2-positive breast cancer reduces the risk of recurrence by approximately _____.
 - a. 10 percent
 - b. 20 percent
 - c. 30 percent
 - d. 40 percent
 - e. 50 percent

EVALUATION FORM

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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
Joseph A Sparano, MD	5 4 3 2 1	5 4 3 2 1
Daniel R Budman, MD	5 4 3 2 1	5 4 3 2 1
Fredrica Preston, RNC, NP	5 4 3 2 1	5 4 3 2 1
Robert Livingston, MD	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

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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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Name: Degree: Organization: Specialty: Address: City, State, Zip: Telephone: Fax: Email: Signature: Date:

Which of the following audio formats of this program did you use?

- Audio CDs Downloaded MP3s from website

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