

Oncology Today with Dr Neil Love: Breast Cancer Edition

Video Program

CME Information

TARGET AUDIENCE

This activity is intended for medical oncologists, hematologists-oncologists, hematology-oncology fellows and other healthcare providers involved in the treatment of breast cancer.

OVERVIEW OF ACTIVITY

Breast cancer continues to be one of the most rapidly evolving fields in medical oncology. Results from numerous ongoing trials lead to the continual emergence of new therapeutic agents, treatment strategies and diagnostic and prognostic tools. In order to offer optimal patient care, including the option of clinical trial participation, the practicing cancer clinician must be well informed of these advances.

To bridge the gap between research and patient care, this program features a joint discussion with 2 leading breast cancer investigators. By providing access to the latest scientific developments and the perspectives of experts in the field, this CME activity will assist medical oncologists with the formulation of up-to-date clinical management strategies.

LEARNING OBJECTIVES

- Consider emerging research data to individualize the selection and administration of adjuvant systemic therapy for patients with HER2-overexpressing early breast cancer who have received prior neoadjuvant treatment.
- Review published efficacy and safety data with the use of approved PARP inhibitors for patients with metastatic breast cancer harboring BRCA1/2 mutations, and consider the therapeutic implications of these findings on nonresearch care.
- Evaluate the biologic rationale for and available Phase III efficacy and safety data associated with the use of an anti-PD-L1 antibody combined with chemotherapy for patients with newly diagnosed metastatic triple-negative breast cancer, and use this information to integrate this recently FDA-approved approach into clinical practice.
- Appraise the design of ongoing clinical trials evaluating anti-PD-1/PD-L1 antibodies alone or in combination with other systemic therapies for breast cancer, and counsel appropriate patients about availability and participation.
- Consider published research data documenting the efficacy and safety of phosphoinositide 3-kinase (PI3K) inhibitors targeting mutations in the PI3K pathway in patients with HR-positive breast cancer.

- Assess ongoing clinical research studies evaluating novel agents and treatment strategies under development for metastatic HER2-positive breast cancer, and counsel patients regarding the potential benefits of participation.

ACCREDITATION STATEMENT

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CREDIT DESIGNATION STATEMENT

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AMERICAN BOARD OF INTERNAL MEDICINE (ABIM) — MAINTENANCE OF CERTIFICATION (MOC)

Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 2 Medical Knowledge MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

Please note, this program has been specifically designed for the following ABIM specialty: **medical oncology**.

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FACULTY — The following faculty (and their spouses/partners) reported relevant conflicts of interest, which have been resolved through a conflict of interest resolution process:

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MODERATOR — **Dr Love** is president and CEO of Research To Practice. Research To Practice receives funds in the form of educational grants to develop CME activities from the following commercial interests: AbbVie Inc, Acerta Pharma

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Hardware/Software Requirements:

A high-speed Internet connection
A monitor set to 1280 x 1024 pixels or more
Internet Explorer 11 or later, Firefox 56 or later,
Chrome 61 or later, Safari 11 or later, Opera 48 or later
Adobe Flash Player 27 plug-in or later
Adobe Acrobat Reader
(Optional) Sound card and speakers for audio

Last review date: March 2019

Expiration date: March 2020

Select Publications

- Abraham J et al. **PARTNER: Randomised, phase II/III trial to evaluate the safety and efficacy of the addition of olaparib to platinum-based neoadjuvant chemotherapy in triple negative and/or germline BRCA mutated breast cancer patients.** San Antonio Breast Cancer Symposium 2018;Abstract OT3-04-03.
- Abraham JE et al. **PARTNERING / PARTNER: Phase II sub-study to establish if the addition of combinations of new agents (olaparib, cell cycle and immune checkpoint inhibitors) can improve the rate of pathological complete response (pCR) and minimal residual disease (MRD) in triple negative breast cancer (TNBC) and / or germline BRCA mutated (gBRCAm) patients with evidence of residual disease after PARTNER therapy.** San Antonio Breast Cancer Symposium 2018;Abstract OT3-01-02.
- Adams S et al. **Pembrolizumab monotherapy for previously treated metastatic triple-negative breast cancer: Cohort A of the phase 2 KEYNOTE-086 study.** *Ann Oncol* 2018;[Epub ahead of print].
- André F et al. **Trastuzumab deruxtecan (DS-8201a) vs investigator's choice of treatment in subjects with HER2-positive, unresectable and/or metastatic breast cancer who previously received T-DM1: A randomized, phase 3 study.** San Antonio Breast Cancer Symposium 2018;Abstract OT2-07-02.
- Borges VF et al. **Tucatinib combined with ado-trastuzumab emtansine in advanced ERBB2/HER2-positive metastatic breast cancer: A phase 1b clinical trial.** *JAMA Oncol* 2018;4(9):1214-20.
- Chang LS et al. **Endocrine toxicity of cancer immunotherapy targeting immune checkpoints.** *Endocr Rev* 2019;40(1):17-65.
- Emens LA et al. **IMpassion130: Efficacy in immune biomarker subgroups from the global, randomized, double-blind, placebo-controlled, phase III study of atezolizumab + nab-paclitaxel in patients with treatment-naïve, locally advanced or metastatic triple-negative breast cancer.** San Antonio Breast Cancer Symposium 2018;Abstract GS1-04.
- Emens LA et al. **Results from KATE2, a randomized phase 2 study of atezolizumab (atezo)+trastuzumab emtansine (T-DM1) vs placebo (pbo)+T-DM1 in previously treated HER2+ advanced breast cancer (BC).** San Antonio Breast Cancer Symposium 2018;Abstract PD3-01.
- Geyer CE Jr et al. **A randomized double-blind phase III clinical trial of neoadjuvant chemotherapy (NAC) with atezolizumab or placebo in patients (pts) with triple negative breast cancer (TNBC) followed by adjuvant atezolizumab or placebo: NSABP B-59/GBG 96-GeparDouze.** San Antonio Breast Cancer Symposium 2018;Abstract OT3-05-01.
- Geyer CE Jr et al. **Phase III study of trastuzumab emtansine (T-DM1) vs trastuzumab as adjuvant therapy in patients with HER2-positive early breast cancer with residual invasive disease after neoadjuvant chemotherapy and HER2-targeted therapy including trastuzumab: Primary results from KATHERINE.** San Antonio Breast Cancer Symposium 2018;Abstract GS1-10.
- Ignatiadis M et al. **ALEXANDRA/IMpassion030: A phase III study of standard adjuvant chemotherapy with or without atezolizumab in early triple negative breast cancer.** San Antonio Breast Cancer Symposium 2018;Abstract OT3-05-02.
- Juric D et al. **Alpelisib + fulvestrant for advanced breast cancer: Subgroup analyses from the phase III SOLAR-1 trial.** San Antonio Breast Cancer Symposium 2018;Abstract GS3-08.
- Khoury K et al. **Nivolumab or capecitabine or combination therapy as adjuvant therapy for triple negative breast cancer (TNBC) with residual disease following neoadjuvant chemotherapy: The OXEL study.** San Antonio Breast Cancer Symposium 2018;Abstract OT3-04-01.
- Litton J et al. **A phase 2, open-label, single-arm, multi-center study of talazoparib for neoadjuvant treatment of germline BRCA1/2 mutation patients with early-stage triple-negative breast cancer (TNBC).** San Antonio Breast Cancer Symposium 2018;Abstract OT3-03-02.
- Litton JK et al. **Talazoparib in patients with advanced breast cancer and a germline BRCA mutation.** *N Engl J Med* 2018;379(8):753-63.
- Mayer IA et al. **A phase II randomized study of neoadjuvant letrozole plus alpelisib for hormone receptor-positive, human epidermal growth factor receptor 2-negative breast cancer (NEO-ORB).** *Clin Cancer Res* 2019;[Epub ahead of print].
- Modi S et al. **Trastuzumab deruxtecan (DS-8201a) in subjects with HER2-low expressing breast cancer: Updated results of a large phase 1 study.** San Antonio Breast Cancer Symposium 2018;Abstract P6-17-02.
- Murthy R et al. **Tucatinib with capecitabine and trastuzumab in advanced HER2-positive metastatic breast cancer with and without brain metastases: A non-randomised, open-label, phase 1b study.** *Lancet Oncol* 2018;19(7):880-8.
- Pernas S et al. **Optimal treatment of early stage HER2-positive breast cancer.** *Cancer* 2018;124(23):4455-66.
- Robson ME et al. **OlympiAD final overall survival and tolerability results: Olaparib versus chemotherapy treatment of physician's choice in patients with a germline BRCA mutation and HER2-negative metastatic breast cancer.** *Ann Oncol* 2019;[Epub ahead of print].

Select Publications

Robson ME et al. **Olaparib for metastatic breast cancer in patients with a germline *BRCA* mutation.** *N Engl J Med* 2017;377(6):523-33.

Schmid P et al. **Atezolizumab and *nab*-paclitaxel in advanced triple-negative breast cancer.** *N Engl J Med* 2018;379(22):2108-21.

Verma S et al. **Trastuzumab deruxtecan (DS-8201a) vs ado-trastuzumab emtansine (T-DM1) for subjects with HER2-positive, unresectable and/or metastatic breast cancer who previously received trastuzumab and a taxane: A phase 3, randomized study.** San Antonio Breast Cancer Symposium 2018;Abstract OT2-07-13.

von Minckwitz G et al; KATHERINE Investigators. **Trastuzumab emtansine for residual invasive HER2-positive breast cancer.** *N Engl J Med* 2019;380(7):617-28.