INTERVIEW



Clifford Hudis, MD

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CD 2, Tracks 5-16

- Track 5 Second opinion: Consideration of forgoing chemotherapy for patients with ER-positive BC with 1 positive node and a low Oncotype DX Recurrence Score
- Track 6 Treatment options for patients with ER-positive, node-negative BC
- Track 7 Perspective on efficacy and cardiac safety reported on the BCIRG 006 trial — adjuvant AC → T versus AC → TH or TCH for HER2-positive BC
- Track 8 Second opinion: A 37-year-old woman with locally advanced, ER-positive, HER2-positive BC treated 3 years ago with neoadiuvant AC → TH followed by tamoxifen who now presents with a 5-mm isolated chest wall nodule
- Track 9 Toward incorporating pertuzumab into the treatment algorithm for HER2-positive mBC

- Track 10 Mechanisms of action of trastuzumab, trastuzumab-DM1 (T-DM1) and pertuzumab
- Track 11 A prospective validation study of the Oncotype DX DCIS Score™ for predicting recurrence risk after resection alone for DCIS
- Track 12 Second opinion: A patient with low-risk, ER-negative BC and severe skin toxicity after 2 cycles of adjuvant TC
- Track 13 Overview of the BOLERO-2 study: Efficacy, toxicities and proposed adjuvant trials of everolimus in BC
- Track 14 Current status of the CALGB-40502 study: Weekly paclitaxel, nab paclitaxel or ixabepilone with or without bevacizumab as first-line therapy for locally recurrent or metastatic BC
- **Track 15** Available research on *nab* paclitaxel
- Track 16 Adjuvant bisphosphonate therapy in early BC

Select Excerpts from the Interview

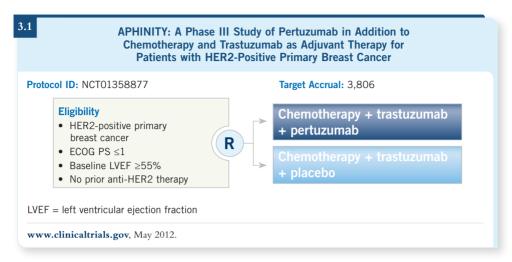


♠ CD 2, Track 9

- **DR LOVE:** How do you foresee using pertuzumab if it becomes available in the HER2-positive metastatic breast cancer setting?
- **DR HUDIS:** I believe that pertuzumab will quickly be added to standard first-line therapy for HER2-positive metastatic breast cancer. I'm sure we will hear discussion of administering it after progression as second-line therapy and beyond. Although future studies may demonstrate potential activity of pertuzumab in those settings, the big push now is for its use in early breast cancer. The APHINITY trial evaluating adjuvant pertuzumab/trastuzumab is currently accruing patients (3.1).

We have also initiated a nonrandomized Phase II trial of pertuzumab/trastuzumab with weekly paclitaxel in metastatic disease because we recognize that clinicians may prefer weekly paclitaxel as the chemotherapy partner (NCT01276041). We will be reassured

of paclitaxel as a reasonable substitution if the results resemble those from the experimental arm of CLEOPATR A.





♠ ↑ CD 2, Track 11

- **DR LOVE:** Would you discuss the SABCS presentation by Dr Solin on the use of the Oncotype DX assay in DCIS?
- **DR HUDIS:** In this study a subset of the 21 genes from the Oncotype DX assay were evaluated. Eleven cancer-related genes and 5 reference genes were analyzed and found to be prognostic (Solin 2011; [3.2]). Using the DCIS Score the authors could predict the likelihood of an in-breast event over the coming year.

The problem is that they did not have randomized data for radiation therapy. Although not everyone agrees, it is assumed that the risk is so low, based on the Oncotype DX DCIS Score being below a certain number, that one could forgo radiation therapy. I believe the role of this test is evolving, and more data are needed. In practice, it would be good if it could be converted from a prognostic to a predictive test, as was done with the Oncotype DX Recurrence Score.

	DCIS Score risk group			
Type of IBE	Low (n = 246)	Intermediate (n = 45)	High (n = 36)	<i>p</i> -value*
Any IBE	12.0%	24.5%	27.3%	0.02
Invasive IBE	5.1%	8.9%	19.1%	0.01

[&]quot;The DCIS Score provides independent information on IBE risk beyond clinical pathologic variables including such important clinical variables as prior tamoxifen use, tumor grade and negative margin width."

Solin LJ et al. San Antonio Breast Cancer Symposium 2011; Abstract S4-6.



- **DR LOVE:** Would you talk about the current status of the CALGB-40502 study of first-line chemotherapy for metastatic disease?
- **DR HUDIS:** This is an important trial that compared weekly paclitaxel in the control arm to nanoparticle albumin-bound (*nab*) paclitaxel or ixabepilone in the experimental arms. Most of the patients in this trial received bevacizumab without random assignment because at the time of study design it was anticipated that this would be standard practice. The study had to be halted twice. The first time was due to differential toxicities and the lack of superiority of ixabepilone over weekly paclitaxel for progression-free survival, and the second time was a result of lack of superiority of *nab* paclitaxel versus the control arm. The results will be presented at ASCO.
- **DR LOVE:** Your group recently presented a Phase II trial comparing weekly versus every 2-week or every 3-week *nab* paclitaxel with bevacizumab (Seidman 2011; [3.3]). What are your thoughts about the future of *nab* paclitaxel?
- ▶DR HUDIS: It may have promise in the metastatic setting as palliative therapy. In the adjuvant setting, I am not aware of a definitive Phase III trial to establish its role. I believe that in some practices it will be the first choice because of the convenience and lack of premedication. In other practices its use will be restricted because of the cost. ■

3.3 Randomized Phase II Trial of Weekly versus Every 2-Week or Every 3-Week Nanoparticle Albumin-Bound (Nab) Paclitaxel with Bevacizumab as First-Line Therapy for Metastatic Breast Cancer Nab paclitaxel Nab paclitaxel Nab paclitaxel **Efficacy** q3wk (n = 75)q2wk (n = 54)*q1wk (n = 79)Overall response 44% 41% 46% Time to tumor progression (TTP)† 8.0 mo 6.3 mo 9.0 mo Overall survival (OS)† 21.3 mo 19 mo 23.7 mo Select adverse events (AEs) Sensory neuropathy (Grade ≥2) 64% 67% 70% Hematologic AEs (Grade ≥3) 18% 8% 30% Nonhematologic AEs (Grade ≥3) **Fatigue** 17% 35% 18% 1% 3% 6% Bone pain Hypertension 4% 2% 4% * Every 2-week arm closed early due to significantly more Grade ≥2 fatigue and bone pain [†] No statistically significant difference between treatment arms in TTP and OS

Seidman AD et al. San Antonio Breast Cancer Symposium 2011; Poster P1-14-01.

SELECT PUBLICATIONS

Baselga J et al. CLEOPATRA Study Group. Pertuzumab plus trastuzumab plus docetaxel for metastatic breast cancer. N Engl J Med 2012;366(2):109-19.

Seidman AD et al. Randomized Phase II trial of weekly vs q 2-weekly vs q 3-weekly nanoparticle albumin-bound paclitaxel with bevacizumab as first-line therapy for metastatic breast cancer. San Antonio Breast Cancer Symposium 2011;Poster P1-14-01.