

Practical Guidance for the Community Oncologist

Incorporating Advances in Therapy for Metastatic TNBC: A Focus on TROP2







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Tuesday, October 18, 2022 11:00 AM – 12:00 PM (CT)

Ascension

50 Medical Park East Drive; Suite 254 Birmingham, AL 35235

Faculty:

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Professor of Medicine
University of California, Los Angeles (UCLA)
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Director of Breast Oncology
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Los Angeles, CA

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Target Audience

This activity is intended for oncologists/hematologists, oncology nurses and the multidisciplinary healthcare team who are involved in the care of patients with triple negative breast cancer.

Statement of Need

This activity aims to help oncologists/hematologists, oncology nurses, and others involved on the multidisciplinary TNBC team to understand the latest roles and clinical evidence with the new and emerging TROP2-targeted treatments. Following this activity, clinicians will also be better able to incorporate TROP-2-targeted ADCs into appropriate TNBC treatment plans.

Learning Objectives

Upon completion of this activity, participants will be able to:

- Discuss new and emerging targeted treatment approaches in the setting of TNBC
- Discuss the role of ADC therapies and TROP2 for TNBC
- Implement strategies to facilitate the use of novel and emerging therapies for TNBC in community-based settings

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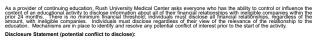


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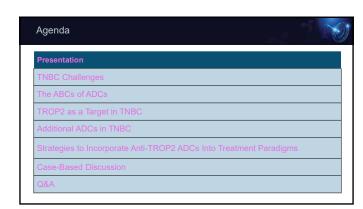
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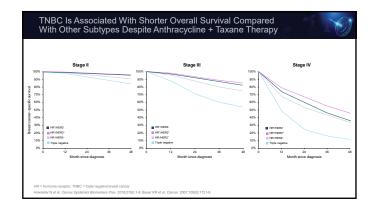


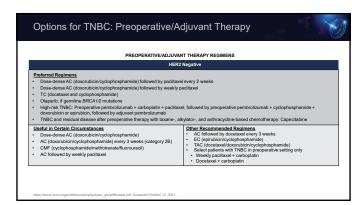


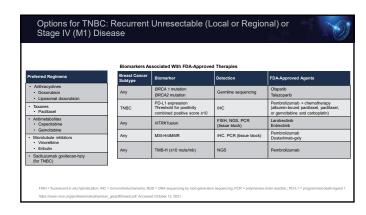
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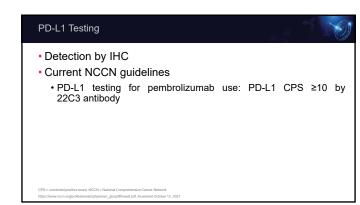
- 10%-15% of all breast cancers
- · Defined by immunohistochemistry: not very sophisticated!
 - Lacks expression of ER, PR, and HER2
- Tends to be more aggressive
 - Higher grade
 - More responsive to chemotherapy
 - High relapse pattern in first 5 years
 - Sites of relapse (liver, CNS) different from ER-positive
 - Affected patients more often younger, Black
 - P53 mutations common
- May be associated with BRCA1 mutations and/or BRCA pathway dysfunction

CNS = central nervous system; ER = estrogen receptor; HER2 = human epidermal growth factor receptor 2; PR = progesterone receptor Liedike C et al. J Clin Oncol. 2008;28(8):1275-81. Lin NU et al. Cancer. 2008;113(10):2638-45. Ahn SG et al. J Breast Cancer. 2016;19(3):223-3 Andrew CK et al. Clin Devent Cancer. 2009 (firsted):21:273-91.

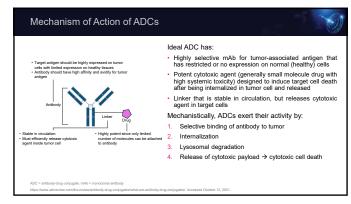










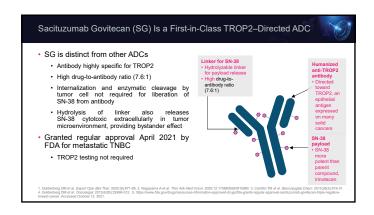


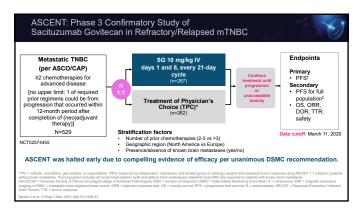


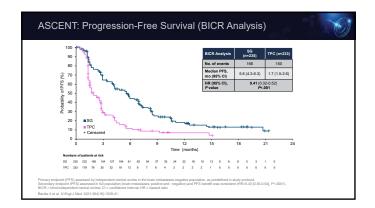
TROP2

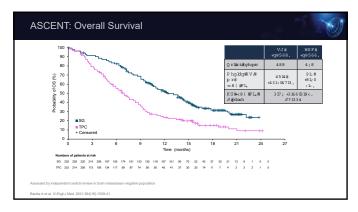
- Trophoblast cell surface antigen 2 (TROP2)
- · Glycoprotein that spans epithelial membrane surface
- Plays role in cell self-renewal, proliferation, and transformation
- Has essential role in embryonic development, placental tissue formation, embryo implantation, stem cell proliferation, and organ development
- Expressed in all subtypes of breast cancer
- Linked to poor prognosis in patients with breast cancer

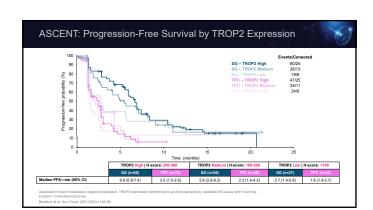
tttps://www.oncilive.com/view/role-of-trop-2-as-an-actionable-biomarker-in-solid-tumors. Accessed October 14, 2021. Vidula N et al. J Clin Oncol. 2017;35:15(suppl): Abstract 1075.

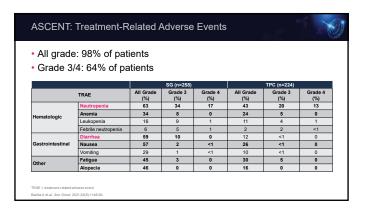












ASCENT: Treatment-Related Adverse Events (cont)

- Key grade ≥3 TRAEs (SG vs TPC)
 - Neutropenia (51% vs 33%)
 - Diarrhea (10% vs <1%)
 - Leukopenia (10% vs 5%)
 - Anemia (8% vs 5%)
 - Febrile neutropenia (6% vs 2%)
- · G-CSF usage: 49% in SG arm vs 23% in TPC arm
- Dose reductions due to TRAEs were similar (22% SG vs 26% TPC)

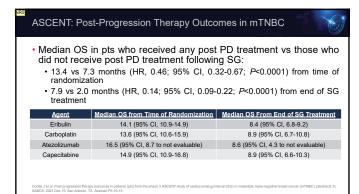
G-CSF = granulocyte-colony stimulating fact Banda A et al. Ann Oncol 2021;32(9):1148-8

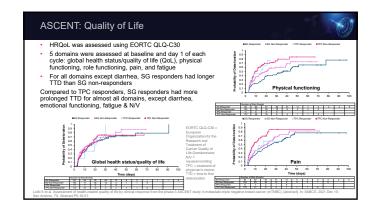
ASCENT: Post-Progression Therapy Outcomes in mTNBC

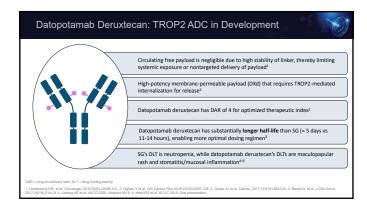
- 222/267 (83%) pts randomized to receive SG discontinued SG due to PD
- Median age: 53 years (range, 27-82)
- Median number of prior anticancer regimens: 4
- Known germline BRCA1/2 mutations: 7%
- Pts received SG for a median duration of 4.2 months (range, 0.0-18.7)
- Following SG discontinuation, post-progression therapy received by 73% (n=163) of pts
 - Common post-SG therapies included eribulin (N=70; 32%), carboplatin (N=34; 15%), capecitabine (N=34; 15%), and atezolizumab, (N=15; 7%)
- Median time to receipt of post-progression therapy: 5.4 months (range, 1.0-19.8)

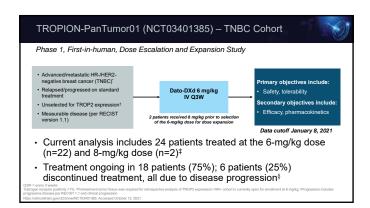
D = progressive disease; SG = sacituzumab govitecan

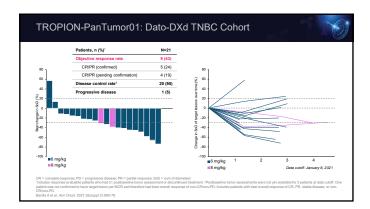
Cortés J et al. Post-progression therapy outcomes in patients (pts) from the phase 3 ASCENT study of sacituzumab govitecan (SG) in metastatic triple-negative breast cancer (mTNBC). [abstract]. Irs ASBCS. 2021 Doe 10: San Antonio. TX. Abstract PS-16-16.

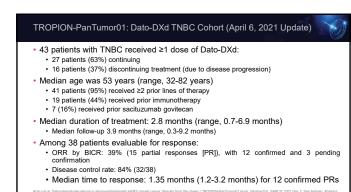


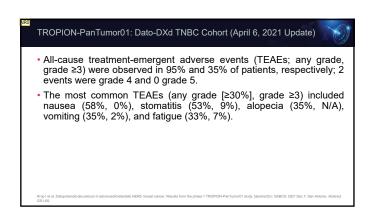




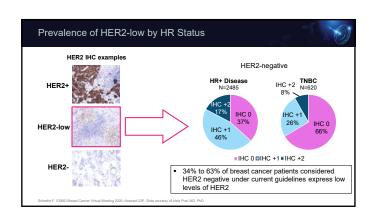


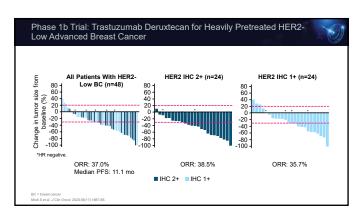


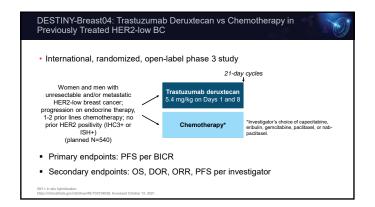


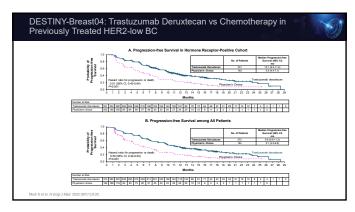


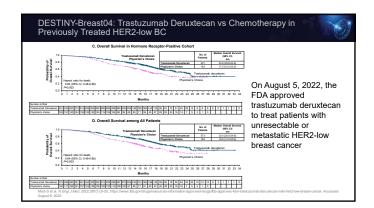


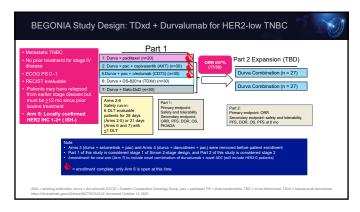


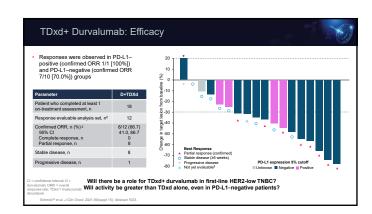


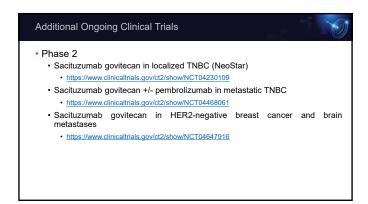




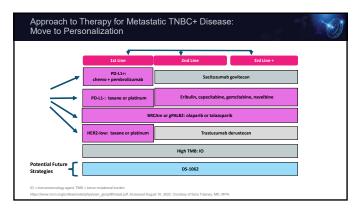




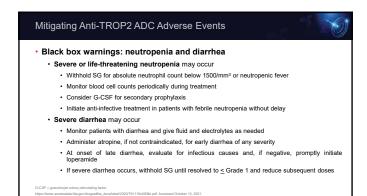


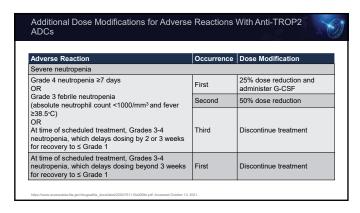


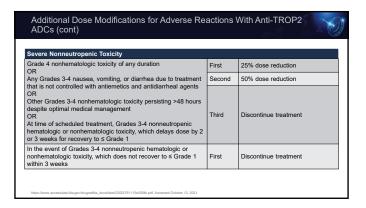




Common Arti-TROP2 ADC Adverse Events • Common AEs (incidence ≥25%) • Neutropenia • Vomiting • Nausea • Constipation • Diarrhea • Decreased appetite • Fatigue • Rash • Alopecia • Abdominal pain • Anemia







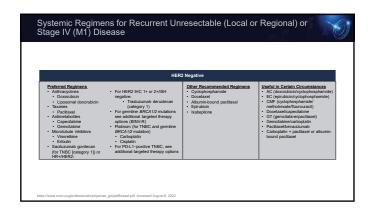


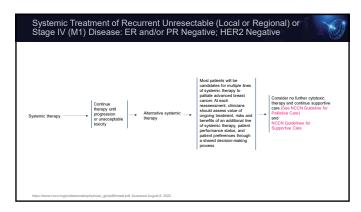
Case 1: Wendy

Wendy is a 64-year-old woman with PD-L1-negative TNBC and a germline *BRCA* mutation who received adjuvant ACT chemotherapy and has experienced locally advanced tumor progression (supraclavicular recurrence) and then received PARP inhibition and developed further local progression.

- Aside from radiation therapy, what potential treatment options do we have to treat Wendy?
- Based on your treatment selection, what potential adverse events should you monitor for and counsel on?

ACT = down thick + cyclophosphamide followed by pacitiavel: PARP = poly_ADP rihose polymerase

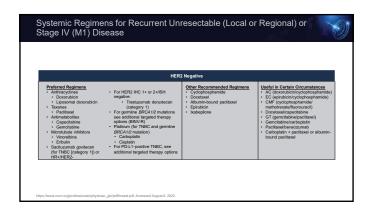


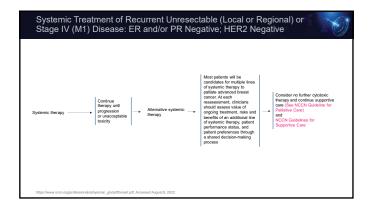


Case 2: Brenda

Brenda is a 59-year-old woman who has metastatic TNBC. After initial first-line chemotherapy, she develops systemic progression and new brain metastases. Workup reveals that the brain metastases are not amenable to stereotactic radiosurgery.

- · What potential options do we have to treat Brenda?
- · What is the rationale for your choice of treatment?

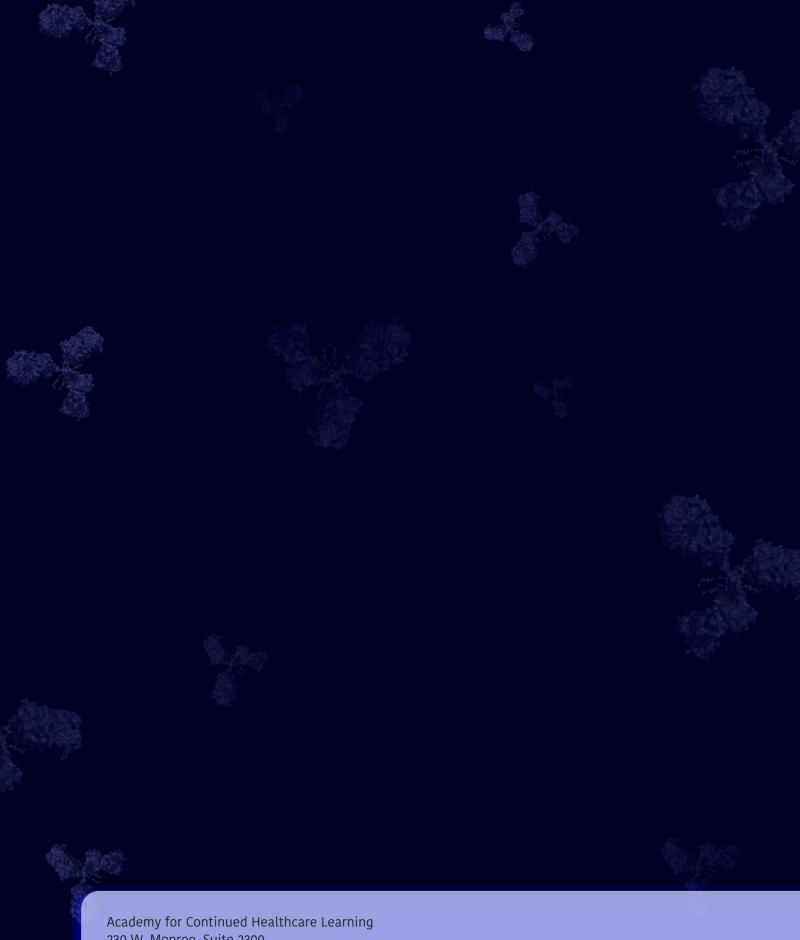






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