Meet The Professor Optimizing the Selection and Sequencing of Therapy for Patients with Triple-Negative Breast Cancer

Professor Peter Schmid, FRCP, MD, PhD
Centre Lead
Centre for Experimental Cancer Medicine
Barts Cancer Institute
London, United Kingdom



Commercial Support

This activity is supported by educational grants from AstraZeneca Pharmaceuticals LP, Gilead Sciences Inc and Merck.



Dr Love — Disclosures

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 companies: AbbVie Inc, Adaptive Biotechnologies Corporation, ADC Therapeutics, Agios Pharmaceuticals Inc, Alexion Pharmaceuticals, Amgen Inc, Array BioPharma Inc, a subsidiary of Pfizer Inc, Astellas, AstraZeneca Pharmaceuticals LP, Aveo Pharmaceuticals, Bayer HealthCare Pharmaceuticals, BeiGene Ltd, Blueprint Medicines, Boehringer Ingelheim Pharmaceuticals Inc, Bristol-Myers Squibb Company, Celgene Corporation, Clovis Oncology, Coherus BioSciences, Daiichi Sankyo Inc, Eisai Inc, Epizyme Inc, Exact Sciences Inc, Exelixis Inc, Five Prime Therapeutics Inc, Foundation Medicine, G1 Therapeutics Inc, Genentech, a member of the Roche Group, Gilead Sciences Inc, GlaxoSmithKline, Grail Inc, Halozyme Inc, Helsinn Healthcare SA, ImmunoGen Inc, Incyte Corporation, Ipsen Biopharmaceuticals Inc, Janssen Biotech Inc, administered by Janssen Scientific Affairs LLC, Jazz Pharmaceuticals Inc, Karyopharm Therapeutics, Kite, A Gilead Company, Lilly, Loxo Oncology Inc, a wholly owned subsidiary of Eli Lilly & Company, Merck, Novartis, Novocure Inc, Oncopeptides, Pfizer Inc, Pharmacyclics LLC, an AbbVie Company, Puma Biotechnology Inc, Regeneron Pharmaceuticals Inc, Sanofi Genzyme, Seagen Inc, Servier Pharmaceuticals LLC, Sumitomo Dainippon Pharma Oncology Inc, Taiho Oncology Inc, Takeda Oncology, Tesaro, A GSK Company, TG Therapeutics Inc, Turning Point Therapeutics Inc and Verastem Inc.



Research To Practice CME Planning Committee Members, Staff and Reviewers

Planners, scientific staff and independent reviewers for Research To Practice have no relevant conflicts of interest to disclose.

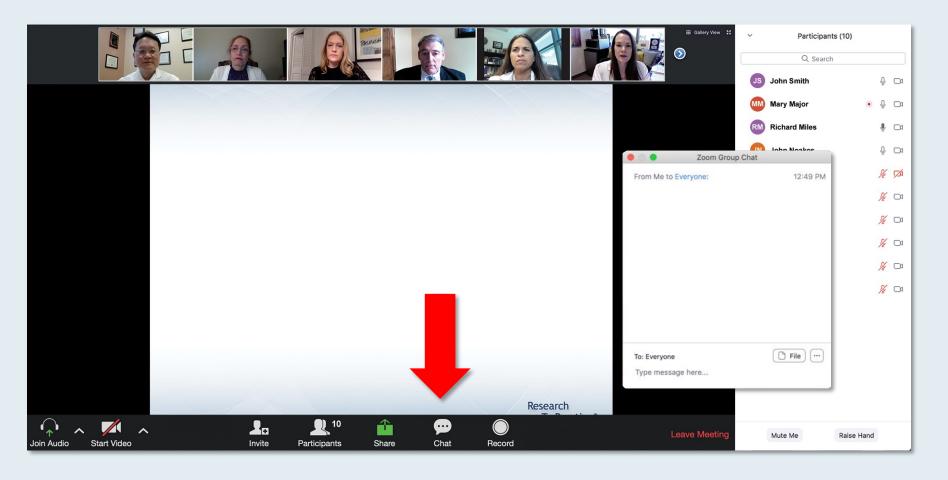


Prof Schmid — Disclosures

Consulting Agreements	AstraZeneca Pharmaceuticals LP, Bayer HealthCare Pharmaceuticals, Boehringer Ingelheim Pharmaceuticals Inc, Celgene Corporation, Eisai Inc, Merck, Novartis, Pfizer Inc, Puma Biotechnology Inc, Roche Laboratories Inc
Contracted Research	Astellas, AstraZeneca Pharmaceuticals LP, Genentech, a member of the Roche Group, Medivation Inc, a Pfizer Company, Novartis, OncoGenex Pharmaceuticals Inc, Roche Laboratories Inc
Spouse Employment/Salary	Roche Laboratories Inc



We Encourage Clinicians in Practice to Submit Questions

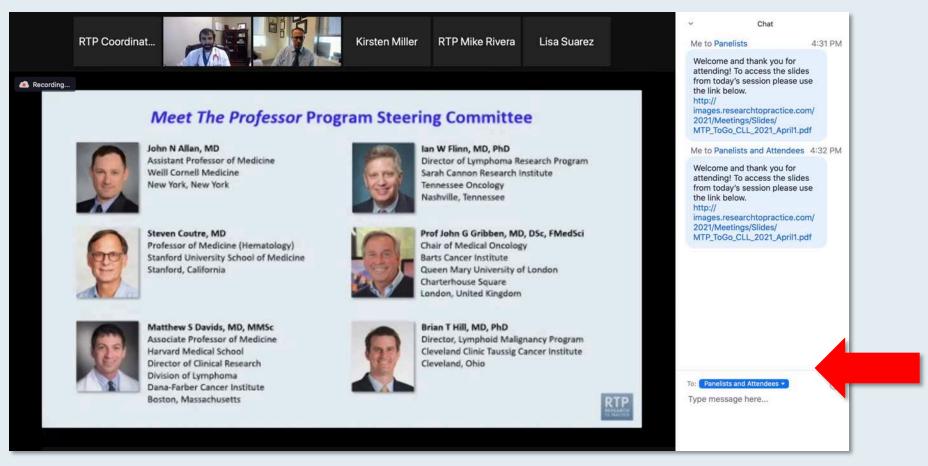


Feel free to submit questions now before the program begins and throughout the program.



Familiarizing Yourself with the Zoom Interface

Expand chat submission box

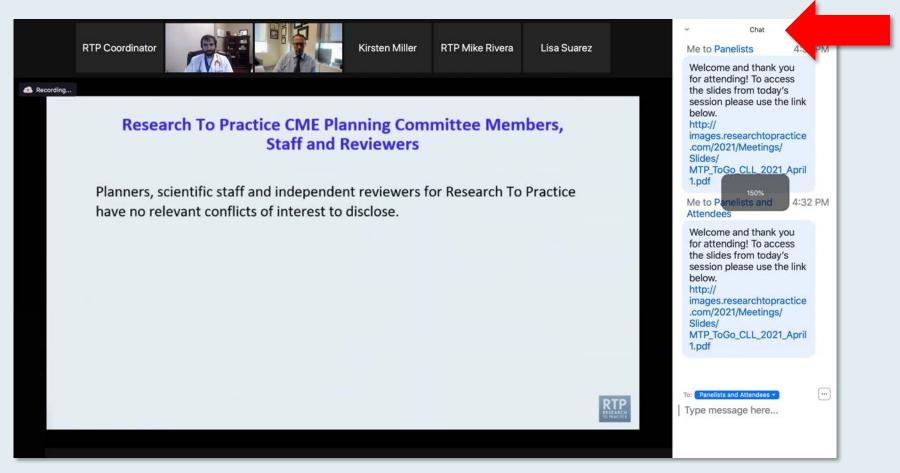


Drag the white line above the submission box up to create more space for your message.



Familiarizing Yourself with the Zoom Interface

Increase chat font size



Press Command (for Mac) or Control (for PC) and the + symbol. You may do this as many times as you need for readability.



ONCOLOGY TODAY

WITH DR NEIL LOVE

Key Presentations on Breast Cancer from the 2021 ASCO Annual Meeting



DR SARA TOLANEY
DANA-FARBER CANCER INSTITUTE









Meet The Professor Optimizing the Clinical Management of Hodgkin and Non-Hodgkin Lymphomas

Wednesday, September 29, 2021 5:00 PM – 6:00 PM ET

Faculty
Brad S Kahl, MD



Meet The Professor Optimizing the Selection and Sequencing of Therapy for Patients with Renal Cell Carcinoma

Friday, October 1, 2021 12:00 PM – 1:00 PM ET

Faculty
Hans Hammers, MD, PhD



Identifying, Managing and Mitigating Therapy-Related Adverse Events in Patients with Chronic Lymphocytic Leukemia and Mantle Cell Lymphoma

A CME/MOC-Accredited Virtual Event

Monday, October 4, 2021 5:00 PM – 6:00 PM ET

Faculty
Richard R Furman, MD
Lindsey Roeker, MD

Consulting Cardiologist Daniel J Lenihan, MD



Meet The Professor

Optimizing the Selection and Sequencing of Therapy for Patients with ER-Positive Breast Cancer

Wednesday, October 6, 2021 5:00 PM - 6:00 PM ET

Faculty
Virginia Kaklamani, MD, DSc



Fall Oncology Nursing Series

A Complimentary NCPD-Accredited Virtual Curriculum

Hodgkin and Non-Hodgkin Lymphomas

Thursday, October 7, 2021 5:00 PM - 6:00 PM ET

Faculty

Stephen M Ansell, MD, PhD Robin Klebig, APRN, CNP, AOCNP



Meet The Professor Optimizing the Selection and Sequencing of Therapy for Patients with Advanced Gastrointestinal Cancers

Friday, October 8, 2021 12:00 PM - 1:00 PM ET

Faculty
Eileen M O'Reilly, MD



Meet The Professor Optimizing the Selection and Sequencing of Therapy for Patients with Renal Cell Carcinoma

Monday, October 11, 2021 5:00 PM - 6:00 PM ET

Faculty
Elizabeth R Plimack, MD, MS



Meet The Professor Immunotherapy and Novel Agents in Gynecologic Cancers

Tuesday, October 12, 2021 5:00 PM - 6:00 PM ET

Faculty

Shannon N Westin, MD, MPH



Recent Advances and Future Directions in Oncology: A Daylong Multitumor Educational Webinar in Partnership with Florida Cancer Specialists

A CME-MOC/NCPD Accredited Virtual Event

Saturday, October 23, 2021 9:30 AM – 4:30 PM ET

Faculty

Tanios Bekaii-Saab, MD
Kristen K Ciombor, MD, MSCI
Brad S Kahl, MD
Mark Levis, MD, PhD
Mark D Pegram, MD

Daniel P Petrylak, MD
Noopur Raje, MD
David Sallman, MD
Lecia V Sequist, MD, MPH

Additional faculty to be announced.



Thank you for joining us!

CME and MOC credit information will be emailed to each participant within 5 business days.



Meet The Professor Optimizing the Selection and Sequencing of Therapy for Patients with Triple-Negative Breast Cancer

Professor Peter Schmid, FRCP, MD, PhD
Centre Lead
Centre for Experimental Cancer Medicine
Barts Cancer Institute
London, United Kingdom



Meet The Professor Program Participating Faculty



Aditya Bardia, MD, MPH
Director, Breast Cancer Research Program
Associate Professor
Harvard Medical School
Attending Physician
Massachusetts General Hospital
Boston, Massachusetts



Sara Hurvitz, MD
Professor of Medicine
David Geffen School of Medicine at UCLA
Director, Breast Cancer Clinical Research Program
Co-Director, Santa Monica-UCLA Outpatient
Oncology Practice
Santa Monica, California



Erika Hamilton, MD
Director, Breast and Gynecologic
Research Program
Sarah Cannon Research
Institute/Tennessee Oncology
Nashville, Tennessee



Rita Nanda, MD

Director, Breast Oncology
Associate Professor of Medicine
Section of Hematology/Oncology
The University of Chicago
Chicago, Illinois



Meet The Professor Program Participating Faculty



Joyce O'Shaughnessy, MD
Celebrating Women Chair in Breast Cancer Research
Baylor University Medical Center
Director, Breast Cancer Research Program
Texas Oncology
US Oncology
Dallas, Texas



Charles L Vogel, MD
Breast Medical Oncology
Baptist Health South Florida
Miami Cancer Institute
Plantation, Florida



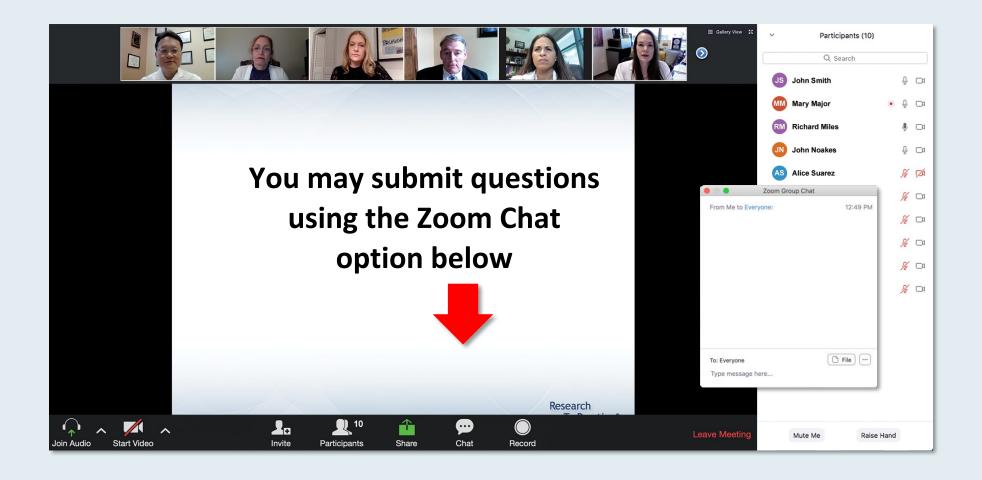
Professor Peter Schmid, FRCP, MD, PhD
Centre Lead
Centre for Experimental Cancer Medicine
Barts Cancer Institute
London, United Kingdom



Moderator
Neil Love, MD
Research To Practice
Miami, Florida



We Encourage Clinicians in Practice to Submit Questions



Feel free to submit questions now before the program begins and throughout the program.



ONCOLOGY TODAY

WITH DR NEIL LOVE

Key Presentations on Breast Cancer from the 2021 ASCO Annual Meeting

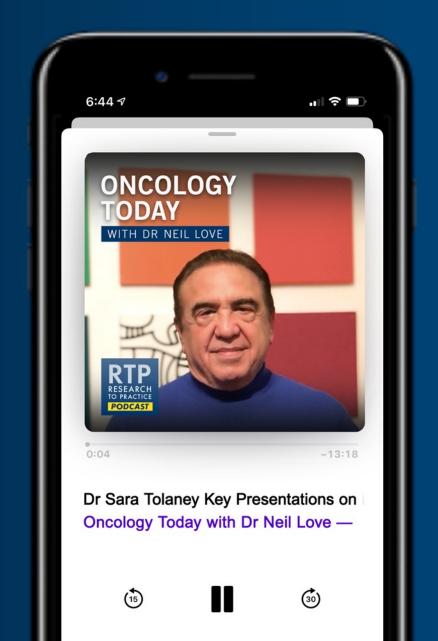


DR SARA TOLANEY
DANA-FARBER CANCER INSTITUTE









Meet The Professor Optimizing the Clinical Management of Hodgkin and Non-Hodgkin Lymphomas

Wednesday, September 29, 2021 5:00 PM – 6:00 PM ET

Faculty
Brad S Kahl, MD



Meet The Professor Optimizing the Selection and Sequencing of Therapy for Patients with Renal Cell Carcinoma

Friday, October 1, 2021 12:00 PM – 1:00 PM ET

Faculty
Hans Hammers, MD, PhD



Identifying, Managing and Mitigating Therapy-Related Adverse Events in Patients with Chronic Lymphocytic Leukemia and Mantle Cell Lymphoma

A CME/MOC-Accredited Virtual Event

Monday, October 4, 2021 5:00 PM – 6:00 PM ET

Faculty
Richard R Furman, MD
Lindsey Roeker, MD

Consulting Cardiologist Daniel J Lenihan, MD



Meet The Professor

Optimizing the Selection and Sequencing of Therapy for Patients with ER-Positive Breast Cancer

Wednesday, October 6, 2021 5:00 PM - 6:00 PM ET

Faculty
Virginia Kaklamani, MD, DSc



Fall Oncology Nursing Series

A Complimentary NCPD-Accredited Virtual Curriculum

Hodgkin and Non-Hodgkin Lymphomas

Thursday, October 7, 2021 5:00 PM - 6:00 PM ET

Faculty

Stephen M Ansell, MD, PhD Robin Klebig, APRN, CNP, AOCNP



Meet The Professor Optimizing the Selection and Sequencing of Therapy for Patients with Advanced Gastrointestinal Cancers

Friday, October 8, 2021 12:00 PM - 1:00 PM ET

Faculty
Eileen M O'Reilly, MD



Meet The Professor Optimizing the Selection and Sequencing of Therapy for Patients with Renal Cell Carcinoma

Monday, October 11, 2021 5:00 PM - 6:00 PM ET

Faculty
Elizabeth R Plimack, MD, MS



Meet The Professor Immunotherapy and Novel Agents in Gynecologic Cancers

Tuesday, October 12, 2021 5:00 PM - 6:00 PM ET

Faculty

Shannon N Westin, MD, MPH



Recent Advances and Future Directions in Oncology: A Daylong Multitumor Educational Webinar in Partnership with Florida Cancer Specialists

A CME-MOC/NCPD Accredited Virtual Event

Saturday, October 23, 2021 9:30 AM – 4:30 PM ET

Faculty

Tanios Bekaii-Saab, MD
Kristen K Ciombor, MD, MSCI
Brad S Kahl, MD
Mark Levis, MD, PhD
Mark D Pegram, MD

Daniel P Petrylak, MD
Noopur Raje, MD
David Sallman, MD
Lecia V Sequist, MD, MPH

Additional faculty to be announced.



Recent Advances and Future Directions in Oncology: A Daylong Multitumor Educational Webinar in Partnership with Florida Cancer Specialists

```
Module 1: Breast Cancer – 9:30 AM – 10:20 AM
```

Module 2: Lung Cancer – 10:30 AM – 11:20 AM

Module 3: Gastrointestinal Cancers – 11:30 AM – 12:20 PM

Module 4: Genitourinary Cancers – 12:30 PM – 1:20 PM

Module 5: CLL and Lymphomas – 1:30 PM – 2:20 PM

Module 6: Multiple Myeloma – 2:30 PM – 3:20 PM

Module 7: AML and MDS – 3:30 PM – 4:20 PM



Meet The Professor Optimizing the Selection and Sequencing of Therapy for Patients with Triple-Negative Breast Cancer

Professor Peter Schmid, FRCP, MD, PhD
Centre Lead
Centre for Experimental Cancer Medicine
Barts Cancer Institute
London, United Kingdom





Mamta Choksi, MD
Florida Cancer Specialists and
Research Institute
New Port Richey, Florida



Kapisthalam (KS) Kumar, MD
Physician Partner
Florida Cancer Specialists
New Port Richey, Florida



Ranju Gupta, MD
Attending Physician
Co-Director, Cardio-Oncology Program
LVPG Hematology Oncology Associates
Lehigh Valley Health Network
Bethlehem, Pennsylvania



Joseph Martins, MD
Associate Professor of Medicine
UT Health Science Center
Tyler, Texas



Nikesh Jasani, MDTexas Oncology-Cypress
Houston, Texas



Andrea Stebel, MD
Newport Breast Care
Newport Beach, California



Meet The Professor with Prof Schmid

MODULE 1: ESMO 2021 Review

MODULE 2: Case Presentations

- Dr Jasani: A 60-year-old Jehovah's Witness with metastatic TNBC PD-L1 >1%
- Dr Martins: A 54-year-old woman with node-positive TNBC
- Dr Gupta: A 48-year-old nurse with TNBC and a germline BRCA2 mutation
- Dr Choksi: A 73-year-old woman with MSS TNBC and suspected bone metastases
- Dr Kumar: A 53-year-old Jehovah's Witness with localized TNBC
- Dr Stebel: A 45-year-old woman with locally recurrent TNBC

MODULE 3: Beyond the Guidelines

MODULE 4: Journal Club with Prof Schmid

MODULE 5: Other Key Data Sets



Meet The Professor with Prof Schmid

MODULE 1: ESMO 2021 Review

MODULE 2: Case Presentations

- Dr Jasani: A 60-year-old Jehovah's Witness with metastatic TNBC PD-L1 >1%
- Dr Martins: A 54-year-old woman with node-positive TNBC
- Dr Gupta: A 48-year-old nurse with TNBC and a germline BRCA2 mutation
- Dr Choksi: A 73-year-old woman with MSS TNBC and suspected bone metastases
- Dr Kumar: A 53-year-old Jehovah's Witness with localized TNBC
- Dr Stebel: A 45-year-old woman with locally recurrent TNBC

MODULE 3: Beyond the Guidelines

MODULE 4: Journal Club with Prof Schmid

MODULE 5: Other Key Data Sets



ESMO 2021 Review

- Schmid P et al. KEYNOTE-522: Phase 3 study of pembrolizumab + chemotherapy vs
 placebo + chemotherapy as neoadjuvant treatment, followed by pembrolizumab vs
 placebo as adjuvant treatment for early triple-negative breast cancer (TNBC). ESMO
 2021;Abstract VP7_2021.
- Rugo HS et al. KEYNOTE-355: Final results from a randomized, double-blind phase III study of first-line pembrolizumab + chemotherapy vs placebo + chemotherapy for metastatic TNBC. ESMO 2021; Abstract LBA16.
- Marmé F et al. Phase III post-neoadjuvant study evaluating sacituzumab govitecan (SG), an antibody drug conjugate in primary HER2-negative breast cancer patients with high relapse risk after standard neoadjuvant treatment: SASCIA. ESMO 2021; Abstract 199TiP.



ESMO 2021 Review

- Tsai M et al. Weekly ladiratuzumab vedotin monotherapy for metastatic triplenegative breast cancer. ESMO 2021; Abstract 259P.
- Martin M et al. Outcomes of patients (pts) who had received prior platinum (PP)
 therapy in the phase III EMBRACA trial of talazoparib (TALA) vs physician's choice of
 chemotherapy (PCT) in patients with germline BRCA1/2 mutated (gBRCA1/2mut)
 advanced breast cancer (ABC). ESMO 2021; Abstract 272P.



Meet The Professor with Prof Schmid

MODULE 1: ESMO 2021 Review

MODULE 2: Case Presentations

- Dr Jasani: A 60-year-old Jehovah's Witness with metastatic TNBC PD-L1 >1%
- Dr Martins: A 54-year-old woman with node-positive TNBC
- Dr Gupta: A 48-year-old nurse with TNBC and a germline BRCA2 mutation
- Dr Choksi: A 73-year-old woman with MSS TNBC and suspected bone metastases
- Dr Kumar: A 53-year-old Jehovah's Witness with localized TNBC
- Dr Stebel: A 45-year-old woman with locally recurrent TNBC

MODULE 3: Beyond the Guidelines

MODULE 4: Journal Club with Prof Schmid

MODULE 5: Other Key Data Sets



Case Presentation – Dr Jasani: A 60-year-old Jehovah's Witness with metastatic TNBC – PD-L1 > 1%



Dr Nikesh Jasani

- Massive chest wall disease which extended into the right, reconstructed breast, and mediastinal, supraclavicular lymph node involvement and pleural effusion, PD-L1 >1%
- Nab-paclitaxel/atezolizumab, with minimal response, continued PD
- Sacituzumab govitecan, with clinical and radiographic response
 - Neutropenia addressed by growth factor support



Case Presentation – Dr Martins: A 54-year-old woman with node-positive TNBC



Dr Joseph Martins

- PMH: Tetralogy of Fallot, s/p multiple cardiac surgeries in childhood
 - EF: 50-55%
- 6/2017: TNBC, s/p mastectomy and axillary node dissection (T2N2), with 6 of 17 positive lymph nodes
- Docetaxel/carboplatin

- Have you encountered patients with Tetraology of Fallot and breast cancer to whom you have administered doxorubicin?
- Is there a survival advantage associated with neoadjuvant chemotherapy, or is its primary value an in vivo assessment of tumor responsiveness?



Case Presentation – Dr Gupta: A 48-year-old nurse with TNBC and a germline BRCA2 mutation



Dr Ranju Gupta

- Nurse and colleague with triple-negative breast cancer and a germline BRCA2 mutation
- S/p neoadjuvant AC → Carboplatin/paclitaxel, with 1.5-mm residual disease in one node
- Enrolled on SWOG-1418 and receives adjuvant pembrolizumab x 1 year → Observation
- Patient calls inquiring about eligibility for olaparib



Case Presentation – Dr Choksi: A 73-year-old woman with MSS TNBC and suspected bone metastases



- 5/2020 Mammogram/US/Biopsy: 4.4-cm high-grade, ER/PR-negative, HER2-negative carcinoma, with lymphovascular invasion
- **Dr Mamta Choksi**
- PET/CT staging denied → CT C/A/P: multifocal, left breast and axillary, mediastinal, hilar LAD
 - Clinical stage: T2N1/2M0, inflammatory characteristics
- 6/2020: AC \rightarrow dd paclitaxel
- 10/2020 CT: Improvement in breast but possible bone involvement unconfirmed with further workup
- 12/2020 CT-guided bone biopsy: Negative
- 12/2020: After completion of chemotherapy, 2-2.5-cm residual disease in breast, erythematous changes over left breast, CEA increased from 13.8 to 17.4

- If she has residual disease based on the final pathology after surgery, what is the next treatment option you would recommend?
- What do we know about checkpoint inhibitor/chemotherapy regimens, especially in patients with triple-negative inflammatory breast cancer?



Case Presentation – Dr Kumar: A 53-year-old Jehovah's Witness with localized TNBC



- PMH: Primary biliary cirrhosis of the liver, Child-Pugh A; Massive GI bleeding
 3 years ago, with varices treated with iron, epoetin-alfa and TIPS procedure; Scleroderma
- Presents with 2-cm mass in the right breast → Biopsy-confirmed TNBC

- How would you manage this patient for whom it would be difficult to administer neoadjuvant chemotherapy? Would you proceed to surgery and then offer adjuvant chemotherapy?
- What are your thoughts about adjuvant immunotherapy for this patient in light of her underlying autoimmune disease?



Case Presentation – Dr Stebel: A 45-year-old woman with locally recurrent TNBC



Dr Andrea Stebel

- Large left breast cancer, with nodal involvement, TNBC, BRCA1/2 wild type
- Neoadjuvant FEC → docetaxel per PACS 0 → Mastectomy, with pCR → RT
- After 2 years, developed subcutaneous lesions outside the area of radiation ports
 - Biopsy and NGS: PD-L1-negative, no actionable mutations
- Nab-paclitaxel/carboplatin, with complete resolution of skin lesions
- Six months later, developed new skin lesions around radiation ports, with plans for RT to the site
- Eribulin

- What other markers can be looked for?
- Other than standard chemotherapy, what are her next options for treatment?
- Should all patients with TNBC be treated with extended adjuvant capecitabine?



Meet The Professor with Prof Schmid

MODULE 1: ESMO 2021 Review

MODULE 2: Case Presentations

- Dr Jasani: A 60-year-old Jehovah's Witness with metastatic TNBC PD-L1 >1%
- Dr Martins: A 54-year-old woman with node-positive TNBC
- Dr Gupta: A 48-year-old nurse with TNBC and a germline BRCA2 mutation
- Dr Choksi: A 73-year-old woman with MSS TNBC and suspected bone metastases
- Dr Kumar: A 53-year-old Jehovah's Witness with localized TNBC
- Dr Stebel: A 45-year-old woman with locally recurrent TNBC

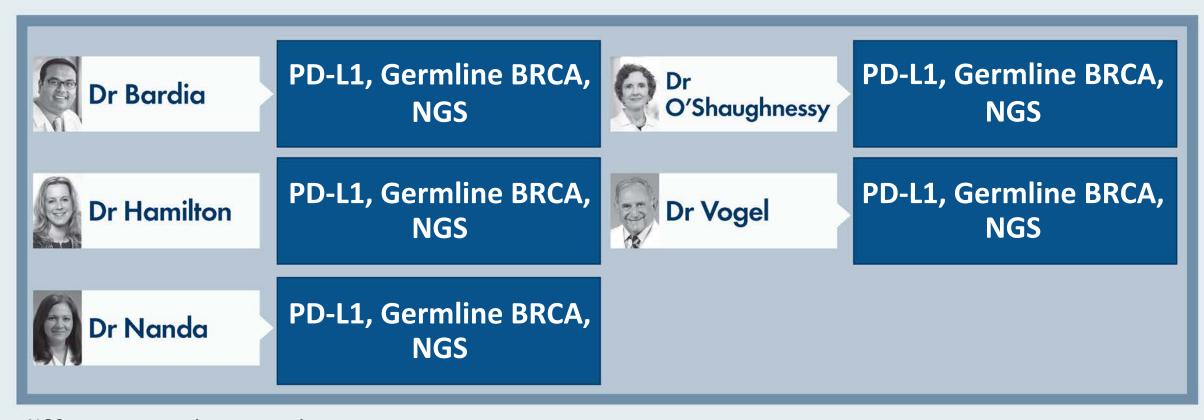
MODULE 3: Beyond the Guidelines

MODULE 4: Journal Club with Prof Schmid

MODULE 5: Other Key Data Sets

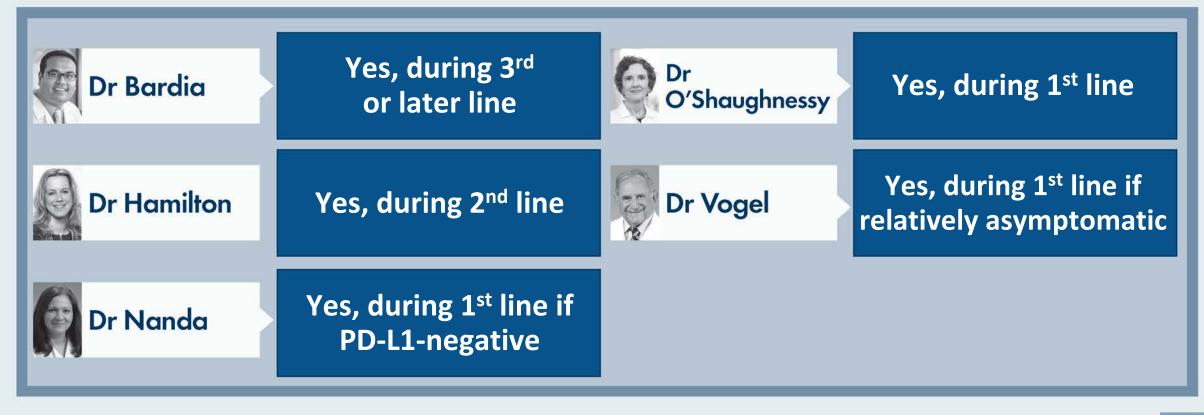


A 45-year-old woman who completed dose-dense AC-T and radiation therapy 3 years ago for localized TNBC now presents with low-volume metastatic disease to the lung and bones. What type of biomarker assessment would you recommend?





If a patient with TNBC and a germline BRCA1/2 mutation received olaparib as part of adjuvant therapy on a clinical trial and then developed metastatic disease 3 years later, would you attempt to administer a PARP inhibitor during a subsequent line of treatment?



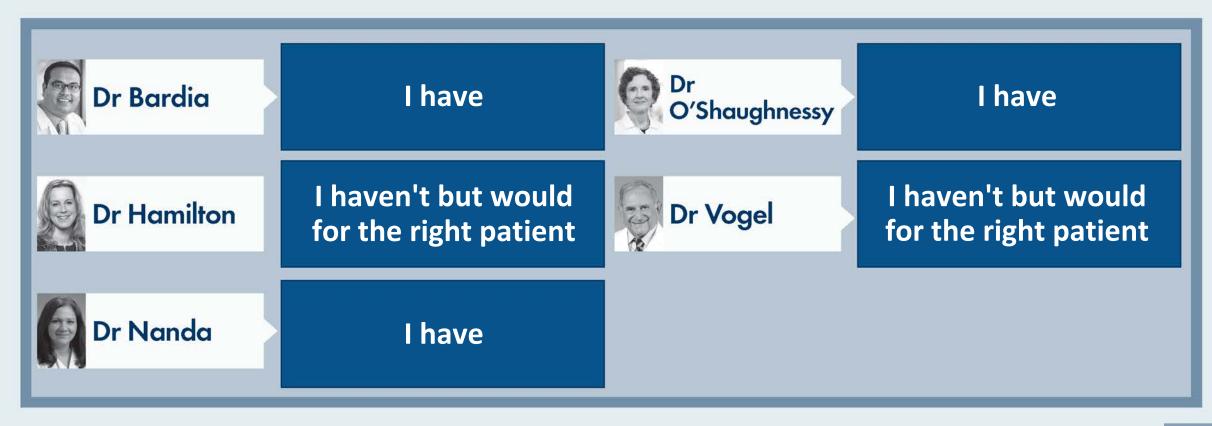


Regulatory and reimbursement issues aside, have you attempted or would you attempt to access a PARP inhibitor for a patient with metastatic TNBC and a <u>somatic BRCA mutation</u>?



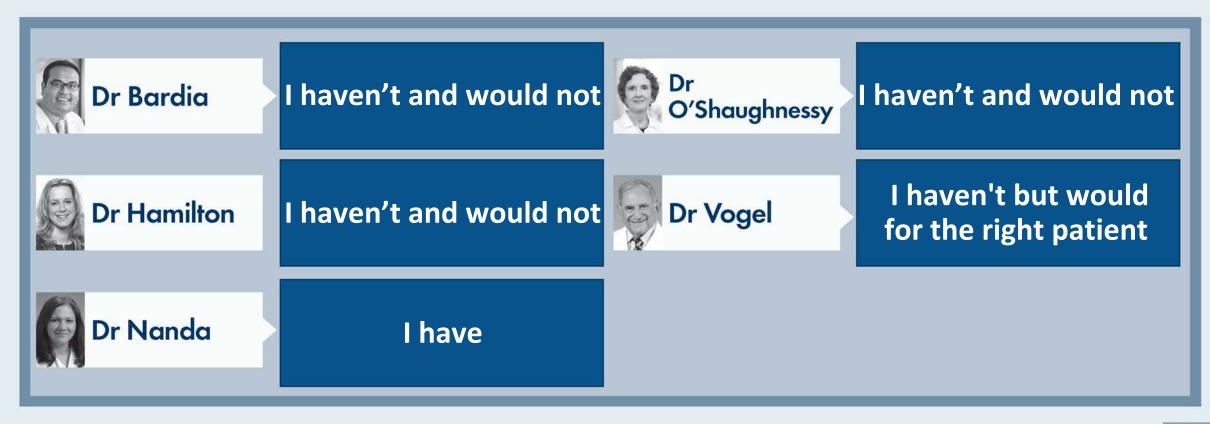


Regulatory and reimbursement issues aside, have you attempted or would you attempt to access a PARP inhibitor for a patient with metastatic TNBC and a germline PALB2 mutation?



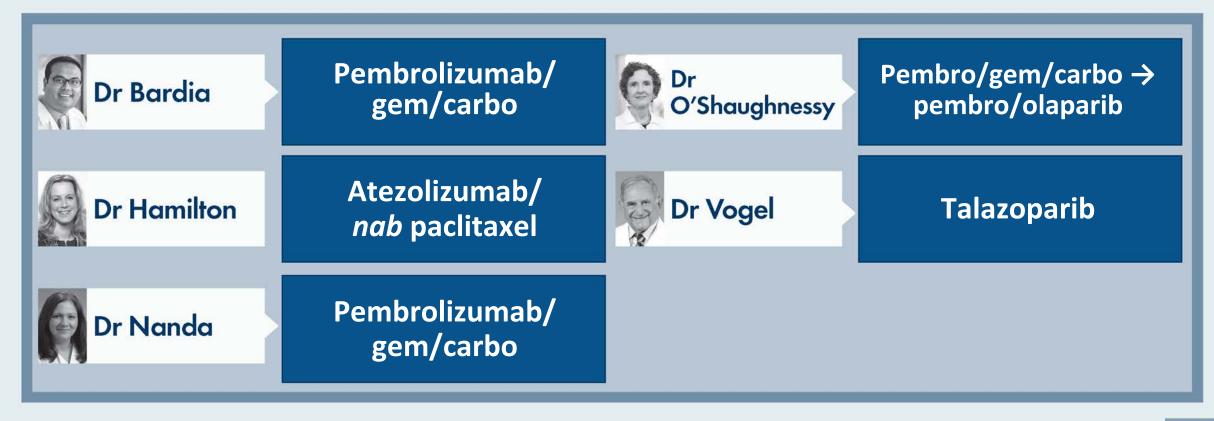


Regulatory and reimbursement issues aside, have you attempted or would you attempt to access a PARP inhibitor for a patient with metastatic TNBC and a germline ATM mutation?



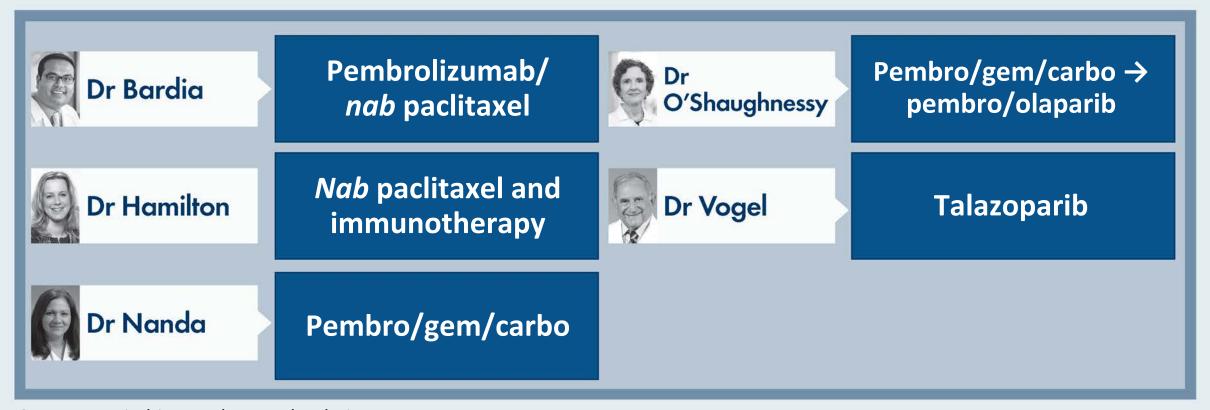


What would be your preferred treatment approach for a 60-year-old patient with a <u>BRCA germline mutation</u> and de novo metastatic TNBC that is <u>PD-L1-positive</u>?





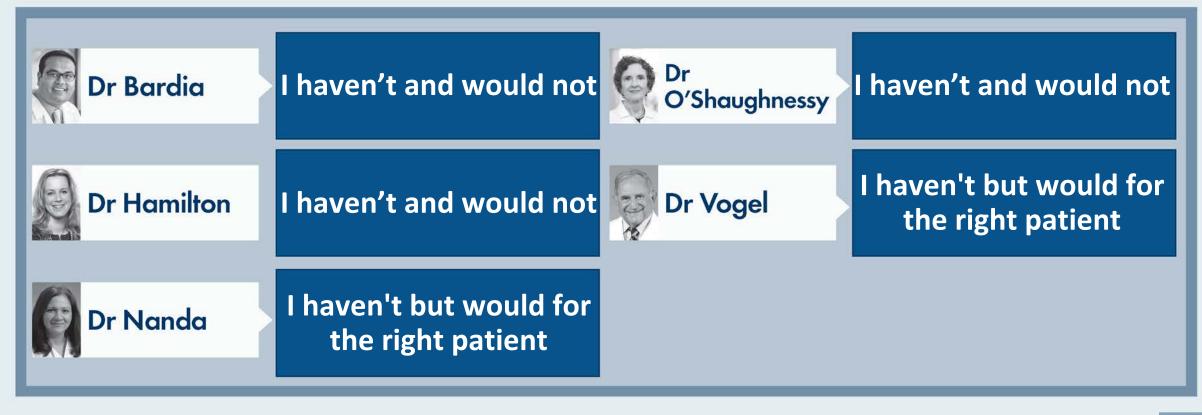
A 60-year-old woman with TNBC and a germline BRCA1 mutation (PD-L1 CPS >10) receives neoadjuvant carboplatin/paclitaxel/pembrolizumab → AC/ pembrolizumab and achieves a pathologic complete response. Three years after completion of adjuvant pembrolizumab, she develops metastatic TNBC (PD-L1 CPS >10). Which first-line treatment would you generally recommend?



Gem = gemcitabine; carbo = carboplatin

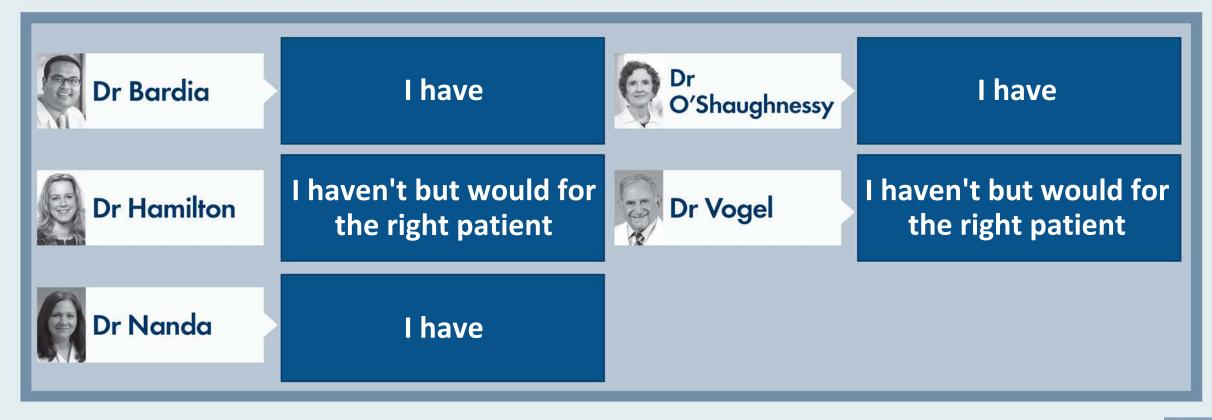


Regulatory and reimbursement issues aside, have you attempted or would you attempt to access olaparib as part of neoadjuvant therapy for a 45-year-old patient with a <u>germline BRCA2 mutation</u> and a <u>6-cm TNBC with negative axillary nodes on biopsy (PD-L1 10%)?</u>



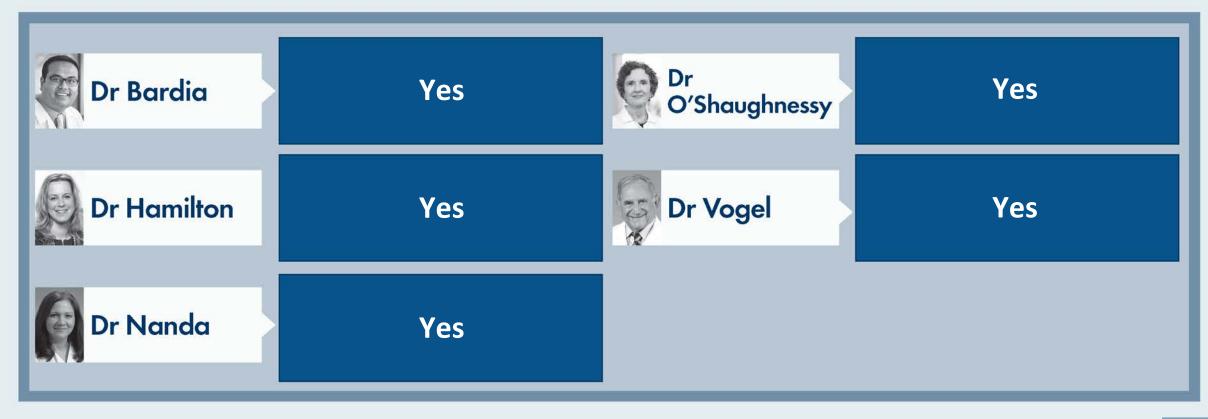


Regulatory and reimbursement issues aside, have you attempted or would you attempt to access an anti-PD-1/PD-L1 antibody as part of neoadjuvant therapy for a 45-year-old patient with a germline BRCA2 mutation and a 6-cm TNBC with 3 positive axillary nodes on biopsy (PD-L1 10%)?



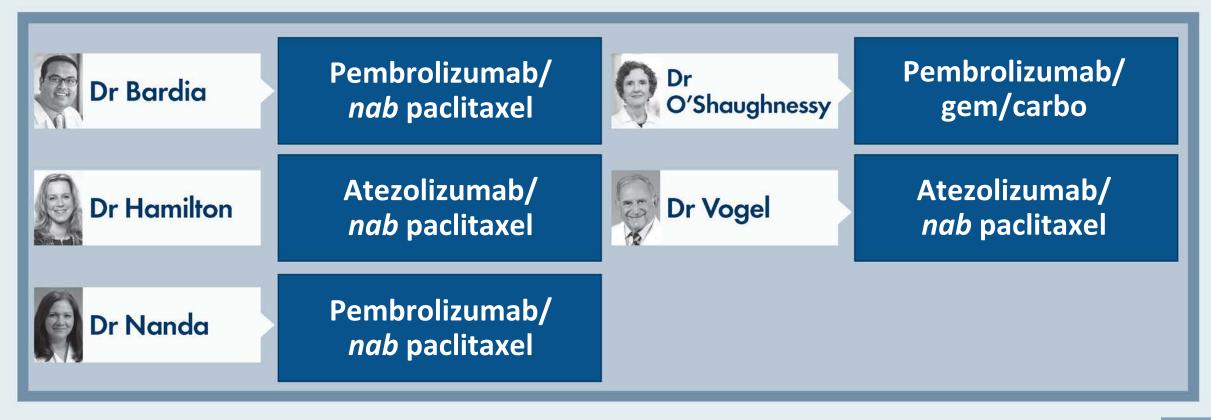


If olaparib receives FDA approval as adjuvant therapy for patients with germline BRCA mutations, would you incorporate it as adjuvant therapy for a patient who was also receiving neoadjuvant/adjuvant pembrolizumab?



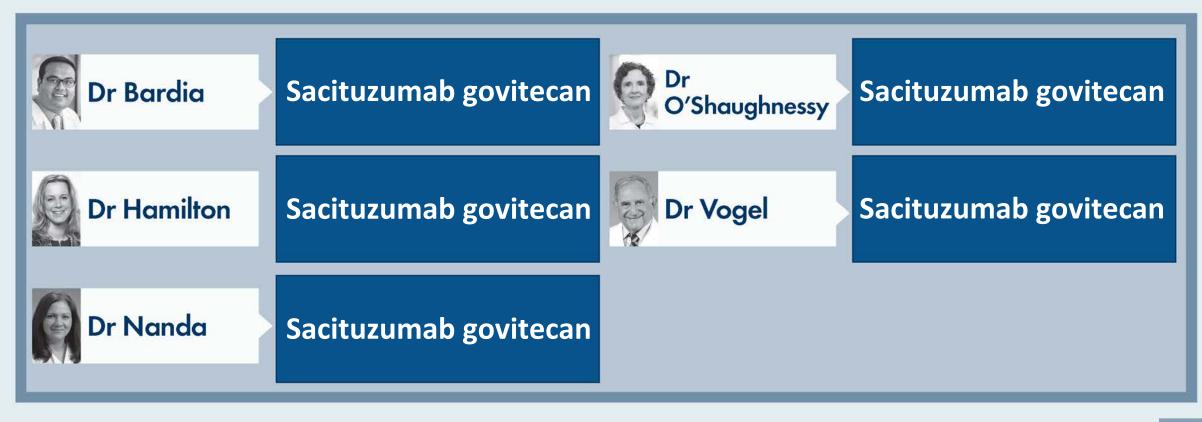


A 60-year-old woman with <u>BRCA1/2 wild-type</u> TNBC and <u>PD-L1 CPS > 10</u> receives neoadjuvant carboplatin/paclitaxel/pembrolizumab
AC/pembrolizumab and achieves a pathologic complete response. Three years after completion of adjuvant pembrolizumab, she develops metastatic TNBC (<u>BRCA1/2 wild type, PD-L1 CPS > 10</u>). Which first-line treatment would you generally recommend?





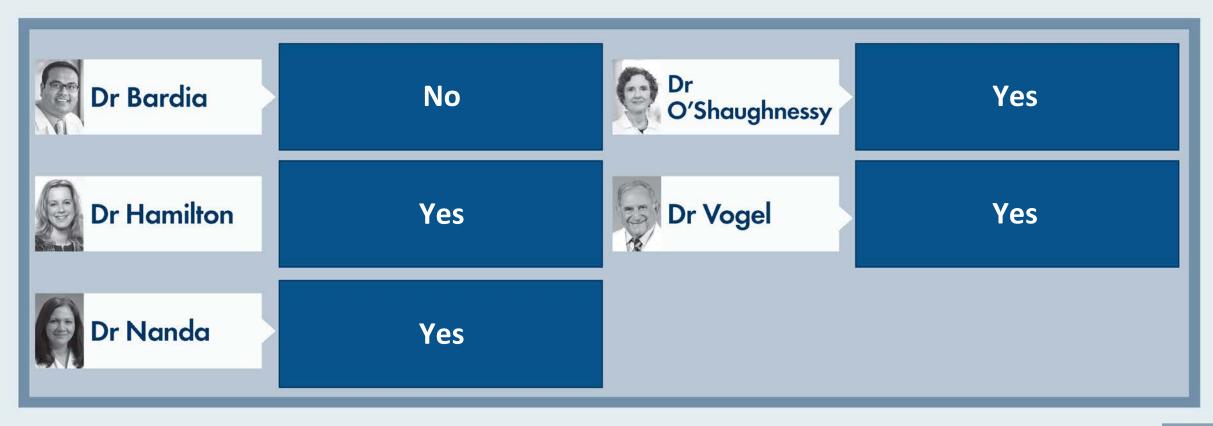
What treatment would you recommend next for a 60-year-old woman who received adjuvant carboplatin/paclitaxel, developed metastatic TNBC (BRCA wild type, PD-L1-positive) and experienced disease progression after 7 months of first-line atezolizumab/nab paclitaxel?





For a patient with localized TNBC and <u>PD-L1 CPS ≥1</u>, would you generally recommend neoadjuvant chemotherapy/ pembrolizumab → adjuvant pembrolizumab if they had...

3.0-cm tumor, N0?





For a patient with localized TNBC and <u>PD-L1 CPS ≥1</u>, would you generally recommend neoadjuvant chemotherapy/ pembrolizumab → adjuvant pembrolizumab if they had...

6.0-cm tumor, N0?





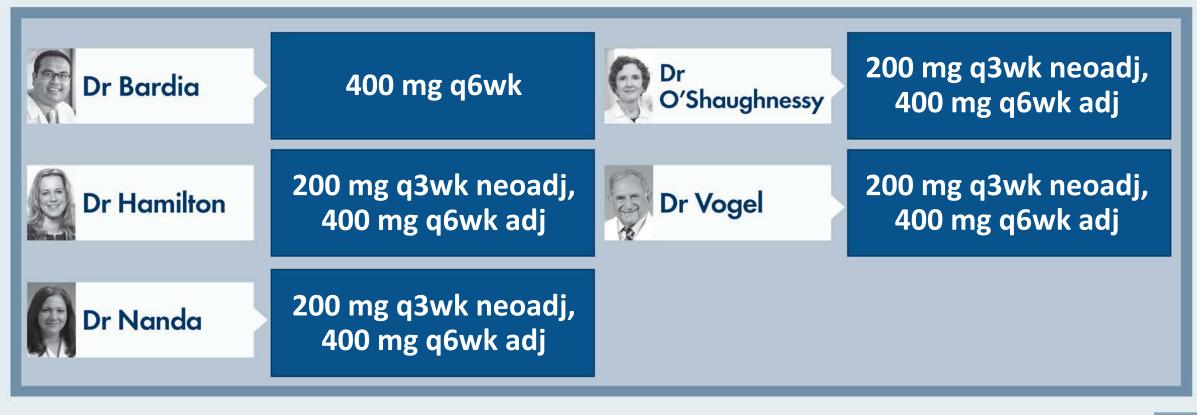
For a patient with localized TNBC that was <u>PD-L1-negative</u>, would you generally recommend neoadjuvant chemotherapy/pembrolizumab → adjuvant pembrolizumab if they had...

6.0-cm tumor, NO?



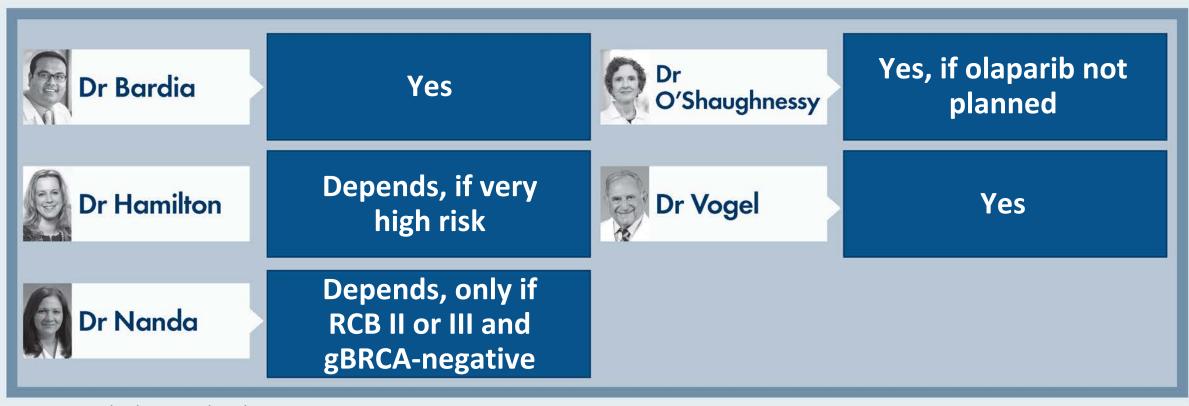


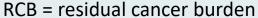
When administering neoadjuvant/adjuvant pembrolizumab, which schedule of pembrolizumab would you generally use?





Would you likely <u>include adjuvant capecitabine</u> along with pembrolizumab if the patient had residual disease after neoadjuvant chemotherapy/pembrolizumab?







Meet The Professor with Prof Schmid

MODULE 1: ESMO 2021 Review

MODULE 2: Case Presentations

- Dr Jasani: A 60-year-old Jehovah's Witness with metastatic TNBC PD-L1 >1%
- Dr Martins: A 54-year-old woman with node-positive TNBC
- Dr Gupta: A 48-year-old nurse with TNBC and a germline BRCA2 mutation
- Dr Choksi: A 73-year-old woman with MSS TNBC and suspected bone metastases
- Dr Kumar: A 53-year-old Jehovah's Witness with localized TNBC
- Dr Stebel: A 45-year-old woman with locally recurrent TNBC

MODULE 3: Beyond the Guidelines

MODULE 4: Journal Club with Prof Schmid

MODULE 5: Other Key Data Sets



Journal Club with Prof Schmid

- Huang M et al. Association of pathologic complete response with long-term survival outcomes in triple-negative breast cancer: A meta-analysis. Cancer Res 2020;80(24):5427-34.
- Schmid P et al. **ARB: Phase II window of opportunity study of preoperative treatment with enzalutamide in ER+ve and TNBC.** ESMO 2021; Abstract 208P.
- Hall PE, Schmid P. Emerging drugs for the treatment of triple-negative breast cancer: A focus on phase II immunotherapy trials. Expert Opin Emerg Drugs 2021;26(2):131-47.
- Emens LA et al. Atezolizumab and nab-paclitaxel in advanced triple-negative breast cancer: Biomarker evaluation of the IMpassion130 study. J Natl Cancer Inst 2021;113(8):1005-16.
- Schmid P et al. BEGONIA: Phase 1b/2 study of durvalumab (D) combinations in locally advanced/metastatic triple-negative breast cancer (TNBC)—Initial results from arm 1, d+paclitaxel (P), and arm 6, d+trastuzumab deruxtecan (T-DXd). ASCO 2021; Abstract 1023.



Meet The Professor with Prof Schmid

MODULE 1: ESMO 2021 Review

MODULE 2: Case Presentations

- Dr Jasani: A 60-year-old Jehovah's Witness with metastatic TNBC PD-L1 > 1%
- Dr Martins: A 54-year-old woman with node-positive TNBC
- Dr Gupta: A 48-year-old nurse with TNBC and a germline BRCA2 mutation
- Dr Choksi: A 73-year-old woman with MSS TNBC and suspected bone metastases
- Dr Kumar: A 53-year-old Jehovah's Witness with localized TNBC
- Dr Stebel: A 45-year-old woman with locally recurrent TNBC

MODULE 3: Beyond the Guidelines

MODULE 4: Journal Club with Prof Schmid



Pivotal Phase III Trials Supporting the FDA Approvals of Olaparib and Talazoparib for Metastatic Breast Cancer with a Germline BRCA Mutation

Trial	Eligibility	Randomization	Primary endpoint
OlympiAD ¹ (n = 302)	 HER2-negative metastatic BC ER+ and/or PR+ or TNBC Deleterious or suspected deleterious gBRCA mutation Prior anthracycline and taxane ≤2 prior chemotherapy lines in metastatic setting 	 Olaparib Physician's choice – Capecitabine – Eribulin – Vinorelbine 	PFS by blinded independent central review
EMBRACA ² (n = 431)	 HER2-negative locally advanced or metastatic BC Germline BRCA1 or BRCA2 mutation ≤3 prior cytotoxic chemotherapy regimens Prior treatment with a taxane and/or anthracycline unless medically contraindicated 	 Talazoparib Physician's choice Capecitabine Eribulin Gemcitabine Vinorelbine 	PFS by blinded independent central review



¹ Robson M et al. *N Engl J Med* 2017;377(6):523-33. ² Litton JK et al. San Antonio Breast Cancer Symposium 2017;Abstract GS6-07; www.clinicaltrials.gov. Accessed August 2019.

OlympiAD and EMBRACA: Efficacy Summary

	OlympiAD ¹⁻³	EMBRACA ⁴⁻⁶
HR (PFS)	0.58	0.54
HR (PFS) ER/PR-positive	0.82	0.47
HR (PFS) TNBC	0.43	0.60
HR (OS)	0.84	0.76
ORR	59.9% (vs 28.8% TPC)	67.6% (vs 27.2% TPC)

TPC = treatment of physician's choice

Cross-trial comparisons are challenging in terms of determining the relative efficacy and tolerability of treatments



¹Robson M et al. *N Engl J Med* 2017;377(6):523-33. ²Robson M et al. *Ann Oncol* 2019;30(4):558-66. ³ Robson M et al. San Antonio Breast Cancer Symposium 2019;Abstract PD4-03. ⁴Litton JK et al. *N Engl J Med* 2018;379(8):753-63. ⁵Litton JK et al. San Antonio Breast Cancer Symposium 2017;Abstract GS6-07. ⁶Rugo HS et al. ASCO 2018;Abstract 1069.

OlympiAD and EMBRACA: Adverse Event and Quality of Life Summary

	OlympiAD ^{1,2}	EMBRACA ^{3,4}
Serious AEs Grade ≥3	36.6% (vs 50.5% TPC)	25.5% (v. 25.4% TPC)
Anemia Grade ≥3	16.1%	39.2%
Neutropenia Grade ≥3	9.3%	20.9%
Thrombocytopenia Grade ≥3	2.4%	14.7%
MDS/AML	0	0
Nausea (any grade)	58.0%	48.6%
Alopecia (any grade)	3.4%	25.2%
Dose modification/reduction due to AE	25.4% (vs 30.8% TPC)	66% (vs 60% TPC)
Treatment discontinuation due to AE	4.9% (vs 7.7% TPC)	5.9% (vs 8.7% TPC)

Cross-trial comparisons are challenging in terms of determining the relative efficacy and tolerability of treatments



J Clin Oncol 2021;[Online ahead of print].

Adjuvant PARP Inhibitors in Patients With High-Risk Early-Stage HER2-Negative Breast Cancer and Germline *BRCA* Mutations: ASCO Hereditary Breast Cancer Guideline Rapid Recommendation Update

Nadine M. Tung, MD1; Dana Zakalik, MD2; and Mark R. Somerfield, PhD3; for the Hereditary Breast Cancer Guideline Expert Panel

ASCO Rapid Recommendations Updates highlight revisions to select ASCO guideline recommendations as a response to the emergence of new and practice-changing data. The rapid updates are supported by an evidence review and follow the guideline development processes outlined in the ASCO Guideline Methodology Manual. The goal of these articles is to disseminate updated recommendations, in a timely manner, to better inform health practitioners and the public on the best available cancer care options.



2021 Updated Recommendations

- For patients with early-stage, HER2-negative breast cancer with high risk of recurrence and germline BRCA1 or BRCA2 pathogenic or likely pathogenic variants, 1 year of adjuvant olaparib should be offered after completion of (neo)adjuvant chemotherapy and local treatment, including radiation therapy.
- For those who underwent surgery first, 1 year of adjuvant olaparib should be offered for patients with triple-negative breast cancer and tumor size >2 cm or any involved axillary nodes.
- For those with hormone receptor (HR)-positive disease, 1 year of adjuvant olaparib should be offered to those with at least 4 involved axillary lymph nodes.
- For patients who received neoadjuvant chemotherapy, 1 year of adjuvant olaparib should be offered to patients with triple-negative breast cancer and any residual cancer; for patients with HR-positive disease, 1 year of adjuvant olaparib should be offered to patients with residual disease and a clinical stage, pathologic stage, estrogen receptor and tumor grade score ≥3.



N Engl J Med 2021;384:2394-405

The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

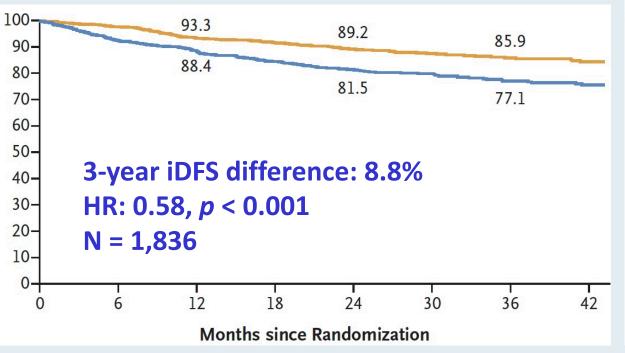
Adjuvant Olaparib for Patients with BRCA1- or BRCA2-Mutated Breast Cancer

A.N.J. Tutt, J.E. Garber, B. Kaufman, G. Viale, D. Fumagalli, P. Rastogi, R.D. Gelber, E. de Azambuja, A. Fielding, J. Balmaña, S.M. Domchek, K.A. Gelmon, S.J. Hollingsworth, L.A. Korde, B. Linderholm, H. Bandos, E. Senkus, J.M. Suga, Z. Shao, A.W. Pippas, Z. Nowecki, T. Huzarski, P.A. Ganz, P.C. Lucas, N. Baker, S. Loibl, R. McConnell, M. Piccart, R. Schmutzler, G.G. Steger, J.P. Costantino, A. Arahmani, N. Wolmark, E. McFadden, V. Karantza, S.R. Lakhani, G. Yothers, C. Campbell, and C.E. Geyer, Jr., for the OlympiA Clinical Trial Steering Committee and Investigators*

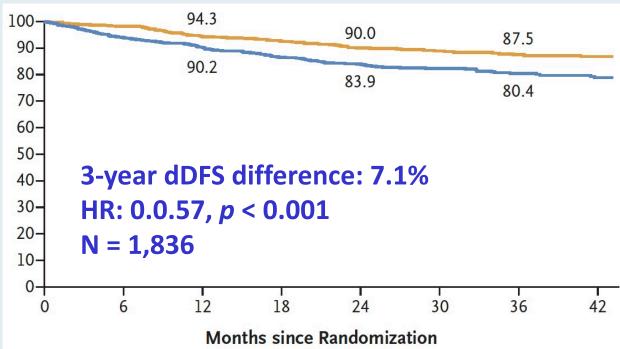


OlympiA: Invasive and Distant Disease-Free Survival





Distant DFS



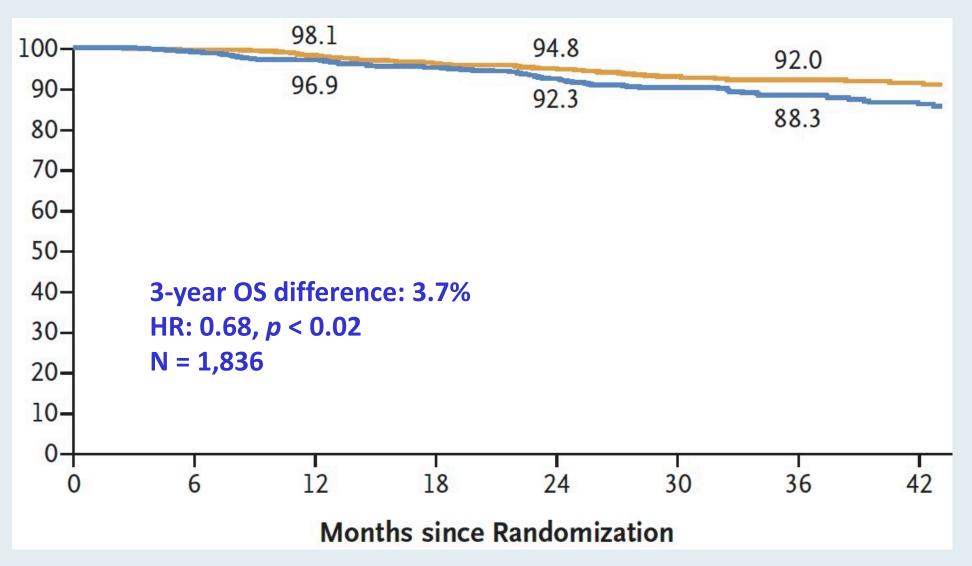


OlympiA: 3-Year Invasive DFS

Subgroup	Olaparib	Placebo	3-Yr Invasive Surv	vival	free	Inva		Hazard Rase or Dea	atio for th (95% CI)
	- 1	ents with an otal no.	9	6					
All patients	106/921	178/915	85.9	77.1		-			0.58 (0.46-0.74)
Previous platinum-based chemotherapy								i !	
Yes	34/247	43/239	82.0	77.0		-	-	i	0.77 (0.49–1.21)
No	72/674	135/676	87.3	77.1	-	-	-	1	0.52 (0.39-0.69)
Hormone-receptor status								į	
HR+ and HER2-	19/168	25/157	83.5	77.2	-		•	-	— 0.70 (0.38–1.27)
TNBC	87/751	153/758	86.1	76.9		_		į	0.56 (0.43-0.73)
Germline BRCA mutation								l	
BRCA1	70/558	126/558	85.0	73.4	-			i	0.52 (0.39-0.70)
BRCA2	22/230	38/209	88.6	78.0	-	-		İ	0.52 (0.30-0.86)
BRCA1 and BRCA2	0/1	0/3	NC	NC				i	NC
					0.25	0.50	0.75	1.00	1.25
						Olaparib	Better	Pla	cebo Better



OlympiA: Overall Survival





OlympiA: Summary of Adverse Events

Adverse Event	Olaparib (N=911)	Placebo (N = 904)
	no. of pat	ients (%)
Any adverse event	835 (91.7)	753 (83.3)
Serious adverse event	79 (8.7)	76 (8.4)
Adverse event of special interest†	30 (3.3)	46 (5.1)
MDS or AML	2 (0.2)	3 (0.3)
Pneumonitis <u>‡</u>	9 (1.0)	11 (1.2)
New primary cancer∫	19 (2.1)	32 (3.5)
Grade ≥3 adverse event	221 (24.3)	102 (11.3)
Grade 4 adverse event¶	17 (1.9)	4 (0.4)
Adverse event leading to permanent discontinuation of olaparib or placebo	90 (9.9)	38 (4.2)
Adverse event leading to death**	1 (0.1)	2 (0.2)





Abstract 505

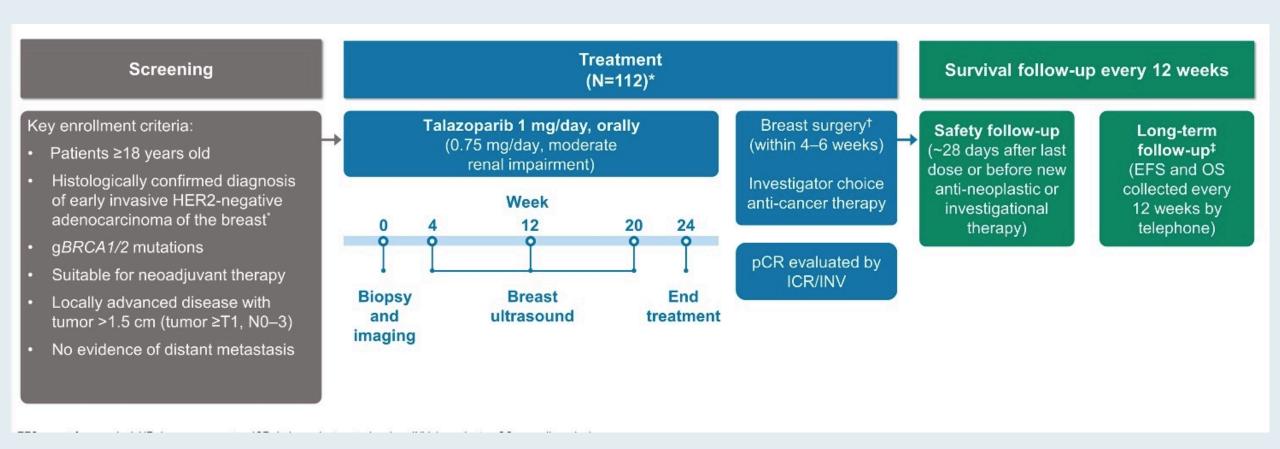
NEOADJUVANT TALAZOPARIB IN PATIENTS WITH GERMLINE BRCA1/2 MUTATION-POSITIVE, EARLY HER2-NEGATIVE BREAST CANCER: RESULTS OF A PHASE 2 STUDY

Jennifer K. Litton,¹ J. Thaddeus Beck,² Jason M. Jones,³ Jay Andersen,⁴ Joanne L. Blum,⁵ Lida A. Mina,⁶ Raymond Brig,⁷ Michael Danso,⁸ Yuan Yuan,⁹ Antonello Abbattista,¹⁰ Kay Noonan,¹¹ Jayeta Chakrabarti,¹² Akos Czibere,¹³ William F. Symmans,¹ Melinda L. Telli¹⁴

¹The University of Texas MD Anderson Cancer Center, Houston, TX, USA; ²Highlands Oncology Group, Fayetteville, AR, USA; ³Avera Cancer Institute, Sioux Falls, SD, USA; ⁴Compass Oncology, West Cancer Center, Tigard, OR, USA; ⁵Texas Oncology-Baylor Charles A. Sammons Cancer Center, US Oncology Network, Dallas, TX, USA; ⁶Banner MD Anderson Cancer Center, Gilbert, AZ, USA; ⁷Brig Center for Cancer Care and Survivorship, Knoxville, TN, USA; ⁸Virginia Oncology Associates, Norfolk, VA, USA; ⁹City of Hope Comprehensive Cancer Center and Beckman Research Institute, Duarte, CA, USA; ¹⁰Pfizer Oncology, Milan, Italy; ¹¹Pfizer Inc., Groton, CT, USA; ¹²Pfizer, Walton Oaks, Surrey, UK; ¹³Pfizer Inc., Cambridge, MA, USA; ¹⁴Stanford University School of Medicine, Stanford, CA, USA

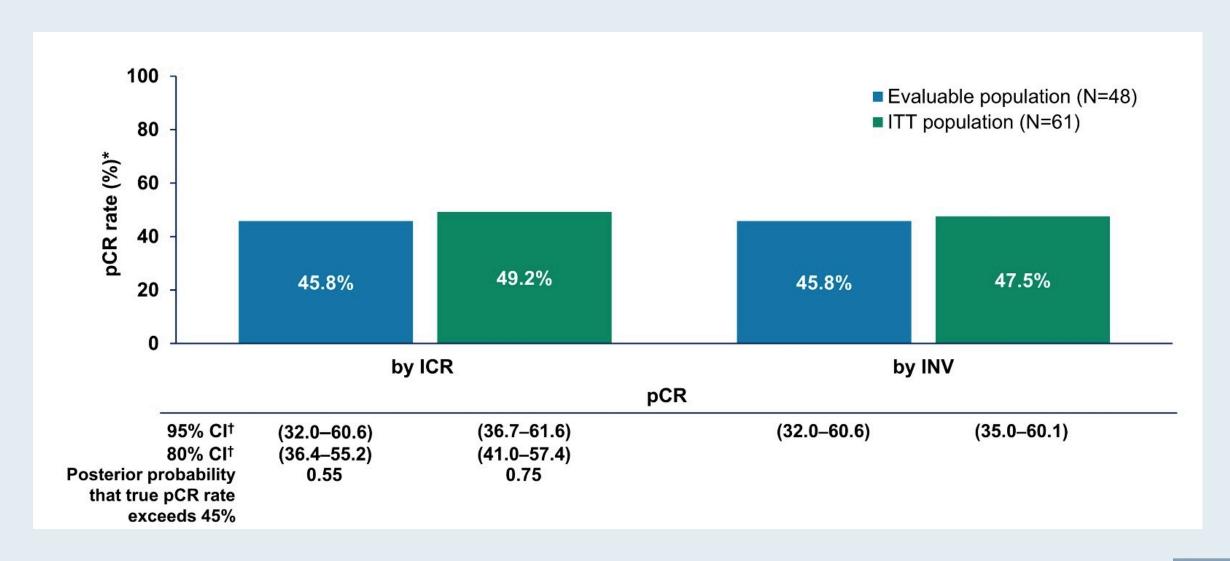


NEOTALA: Multicenter Phase II Study Schema



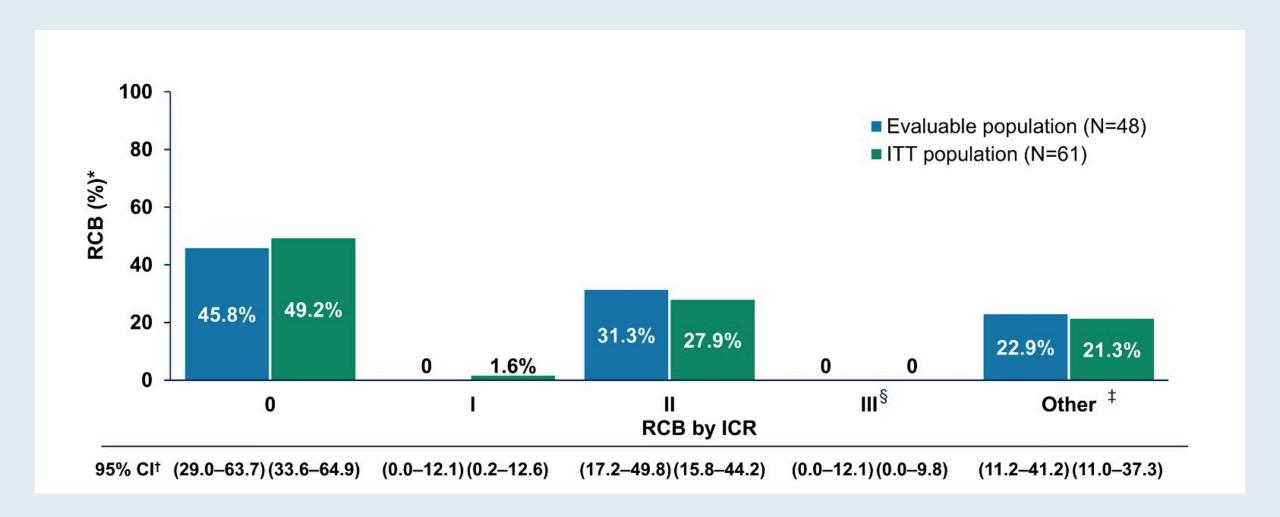


NEOTALA: Pathologic Complete Response





NEOTALA: Residual Cancer Burden





Phase III KEYNOTE-355 Trial Met Primary Endpoint of Overall Survival for Patients with Metastatic Triple-Negative Breast Cancer Whose Tumors Expressed PD-L1 (CPS ≥10)

Press Release – July 27, 2021

"Positive overall survival (OS) results [were announced] from the pivotal Phase 3 KEYNOTE-355 trial evaluating pembrolizumab in combination with chemotherapy for the treatment of patients with metastatic triple-negative breast cancer (mTNBC). Findings from the final analysis show first-line treatment with pembrolizumab in combination with chemotherapy (nab-paclitaxel, paclitaxel or gemcitabine/carboplatin) demonstrated a statistically significant and clinically meaningful improvement in OS compared with chemotherapy alone in patients with mTNBC whose tumors expressed PD-L1 (Combined Positive Score [CPS] ≥10). No new safety signals were identified. These OS results will be presented at an upcoming medical meeting and submitted to regulatory authorities."



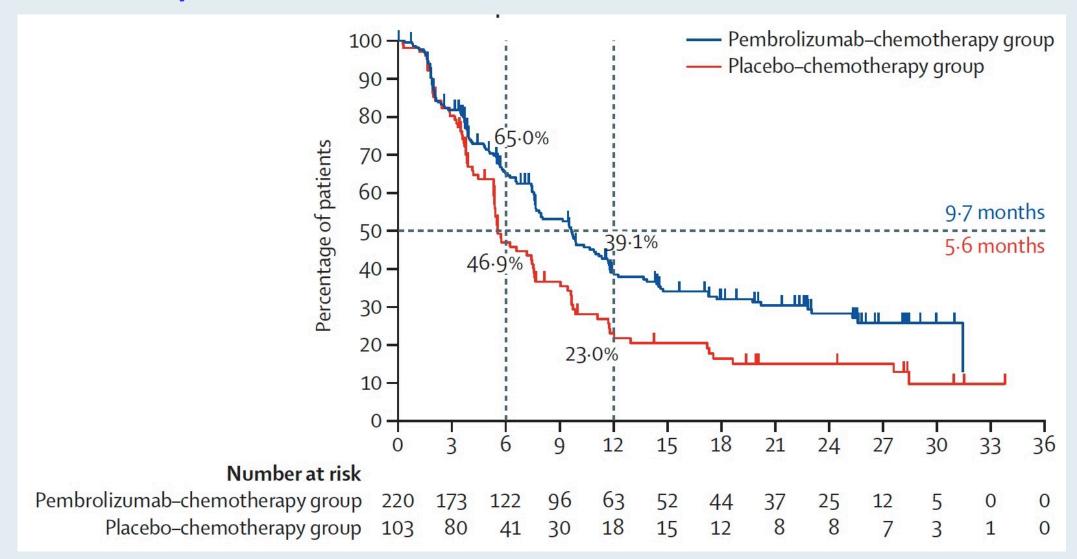
Lancet 2020;396:1817-28

Pembrolizumab plus chemotherapy versus placebo plus chemotherapy for previously untreated locally recurrent inoperable or metastatic triple-negative breast cancer (KEYNOTE-355): a randomised, placebo-controlled, double-blind, phase 3 clinical trial

Javier Cortes, David W Cescon, Hope S Rugo, Zbigniew Nowecki, Seock-Ah Im, Mastura Md Yusof, Carlos Gallardo, Oleg Lipatov, Carlos H Barrios, Esther Holgado, Hiroji Iwata, Norikazu Masuda, Marco Torregroza Otero, Erhan Gokmen, Sherene Loi, Zifang Guo, Jing Zhao, Gursel Aktan, Vassiliki Karantza, Peter Schmid, for the KEYNOTE-355 Investigators*



KEYNOTE-355: Progression-Free Survival (Combined Positive Score ≥10)





Withdrawal of Accelerated Approval of Atezolizumab in Combination with Chemotherapy for Unresectable Locally Advanced or Metastatic TNBC

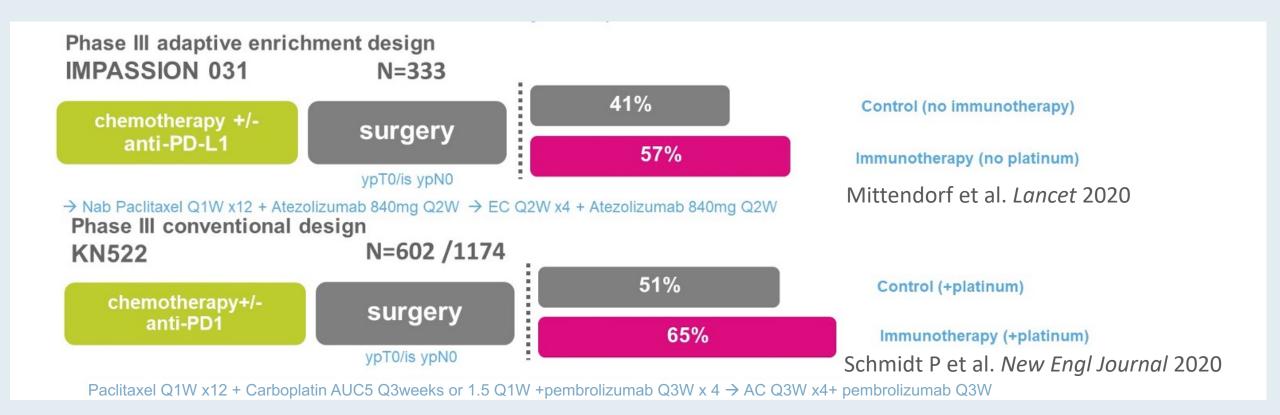
Press Release – August 27, 2021

Accelerated approval has been voluntarily withdrawn in the United States for atezolizumab in combination with chemotherapy (*nab* paclitaxel) for the treatment of unresectable locally advanced or metastatic TNBC in adult patients whose tumors express PD-L1 as determined by an FDA-approved test.

The decision was made in consultation with the FDA after failure of the confirmatory IMpassion131 trial to meet its primary endpoint of PFS for the initial (first-line) treatment of mTNBC in the PD-L1-positive population.



Phase III Studies of Neoadjuvant Chemotherapy with Anti-PD-1/PD-L1 Antibodies: IMPASSION 031 and KEYNOTE-522





Primary Endpoints of Phase III Studies of Neoadjuvant Immunotherapy with Chemotherapy

Change in pCR rate	Overall	PD-L1-positive	PD-L1-negative
KEYNOTE-522 ¹ (Pembrolizumab + CT vs Placebo + CT)	+13.6%	+14%	+18%
IMpassion 031 ² (Atezolizumab + CT vs Placebo + CT)	+17%	+20%	+14%

pCR = pathologic complete response

Event-free survival	Median FU	Events	HR
KEYNOTE-522 ³ (Pembrolizumab + CT vs Placebo + CT)	39.1 mo	15.7% vs 23.8%	0.63
IMpassion 031 ² (Atezolizumab + CT vs Placebo + CT)*	20.6 mo	10.3% vs 13.1%	0.76

^{*}IMpassion 031 not powered for event-free survival, disease-free survival or overall survival



FDA Approves Pembrolizumab for High-Risk Early-Stage Triple-Negative Breast Cancer

Press Release – July 26, 2021

"The Food and Drug Administration approved pembrolizumab for high-risk, early-stage, triple-negative breast cancer (TNBC) in combination with chemotherapy as neoadjuvant treatment, and then continued as a single agent as adjuvant treatment after surgery.

FDA also granted regular approval to pembrolizumab in combination with chemotherapy for patients with locally recurrent unresectable or metastatic TNBC whose tumors express PD-L1 (Combined Positive Score [CPS] ≥10) as determined by an FDA approved test. FDA granted accelerated approval to pembrolizumab for this indication in November 2020.

The following trial was the basis of the neoadjuvant and adjuvant approval, as well as the confirmatory trial for the accelerated approval.

The efficacy of pembrolizumab in combination with neoadjuvant chemotherapy followed by surgery and continued adjuvant treatment with pembrolizumab as a single agent was investigated in KEYNOTE-522 (NCT03036488), a randomized, multicenter, double-blind, placebo-controlled trial conducted in 1174 patients with newly diagnosed previously untreated high-risk early-stage TNBC (tumor size >1 cm but ≤2 cm in diameter with nodal involvement or tumor size >2 cm in diameter regardless of nodal involvement). Patients were enrolled regardless of tumor PD-L1 expression."



www.fda.gov/drugs/resources-information-approved-drugs/fda-approves-pembrolizumab-high-risk-early-stage-triple-negative-breast-cancer?utm_medium=email&utm_source=govdelivery

ESMO VIRTUAL PLENARY

KEYNOTE-522: Phase 3 Study of Neoadjuvant Pembrolizumab + Chemotherapy versus Placebo + Chemotherapy, Followed by Adjuvant Pembrolizumab versus Placebo for Early-Stage Triple-Negative Breast Cancer

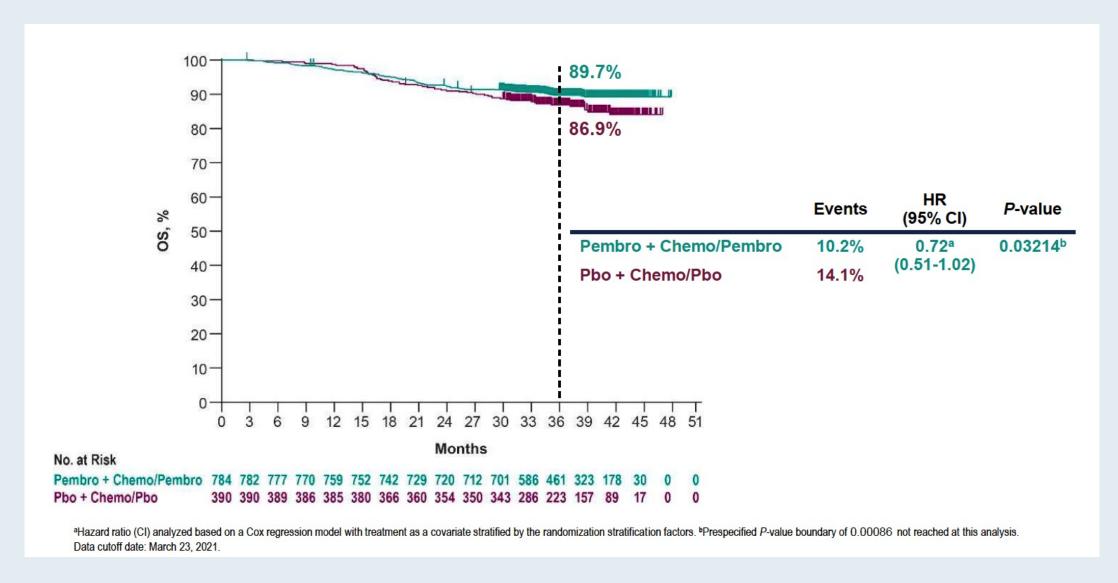
Peter Schmid¹, Javier Cortes², Rebecca Dent³, Lajos Pusztai⁴, Heather McArthur⁵, Sherko Kümmel⁶, Jonas Bergh⁷, Carsten Denkert⁸, Yeon Hee Park⁹, Rina Hui¹⁰, Nadia Harbeck¹¹, Masato Takahashi¹², Michael Untch¹³, Peter A. Fasching¹⁴, Fatima Cardoso¹⁵, Yu Ding¹⁶, Konstantinos Tryfonidis¹⁷, Gursel Aktan¹⁷, Vassiliki Karantza¹⁷, Joyce O'Shaughnessy¹⁸

1. Centre for Experimental Cancer Medicine, Barts Cancer Institute, Queen Mary University London, London, UK; 2. International Breast Cancer Center, Quirón Group, Madrid and Barcelona, Spain and Vall d'Hebron Institute of Oncology, Barcelona, Spain; 3. National Cancer Center Singapore, Duke—National University of Singapore Medical School, Singapore; 4. Yale School of Medicine, Yale Cancer Center, New Haven, CT, USA; 5. Breast Oncology, Cedars-Sinai Medical Center, Los Angeles, CA, USA; 6. Breast Unit, Kliniken Essen-Mitte, Essen, Germany; 7. Department of Oncology-Pathology, Karolinska Institute and Breast Cancer Centre, Cancer theme, Karolinska University Hospital, Solna, Sweden; 8. Institute of Pathology, Philipps-University Marburg and University Hospital Marburg (UKGM), Marburg, Germany; 9. Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea; 10. Westmead Breast Cancer Institute, Westmead Hospital and the University of Sydney, Sydney, NSW, Australia; 11. Breast Center, LMU University Hospital, Munich, Germany; 12. Department of Breast Surgery, Hokkaido Cancer Center, Sapporo, Japan; 13. Breast Cancer Center, Helios Klinikum Berlin Buch, Berlin, Germany; 14. University Hospital Erlangen, Comprehensive Cancer Center Erlangen-EMN, Erlangen, Germany; 15. Breast Unit, Champalimaud Clinical Center/Champalimaud Foundation, Lisbon, Portugal; 16. Biostatistics, Merck & Co., Inc., Kenilworth, NJ, USA; 17. Merck Research Laboratories, Merck & Co., Inc., Kenilworth, NJ, USA; 18. Baylor University Medical Center, Texas Oncology, US Oncology, Dallas, TX, USA





KEYNOTE-522: Updated OS (Median Follow-Up 39.1 Months)







ASCO 2021; Abstract 506



Durvalumab improves long-term outcome in TNBC: Results from the phase II randomized GeparNUEVO study investigating neoadjuvant durvalumab in addition to an anthracycline/taxane based neoadjuvant chemotherapy in early triple-negative breast cancer (TNBC)

Sibylle Loibl, Andreas Schneeweiss, Jens Huober, Michael Braun, Julia Rey, Jens-Uwe Blohmer, Jenny Furlanetto, Dirk-Michael Zahm, Claus Hanusch, Jörg Thomalla, Christian Jackisch, Peter Staib, Theresa Link, Kerstin Rhiem, Christine Solbach, Peter A Fasching, Nicole Burchardi, Carsten Denkert, Michael Untch

-This is a joint study by GBG and AGO-B-

PRESENTED BY: SIBYLLE LOIBL, MD

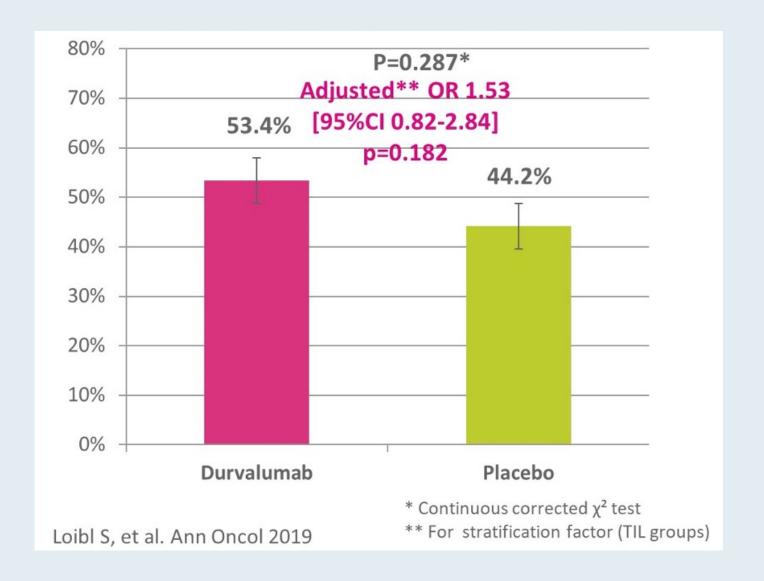
#ASCO21 | Content of this presentation is property of the author, licensed by ASCO. PRESENTED AT: 2021 ASCO Permission required for reuse





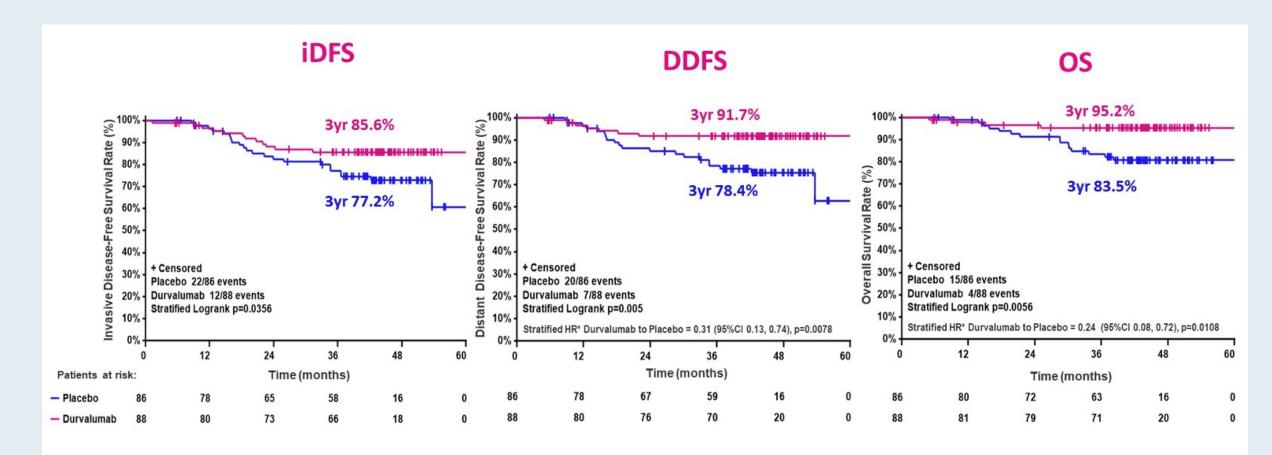


GeparNuevo Primary Endpoint: pCR – ypT0, ypN0





GeparNuevo: iDFS, DDFS and OS Between Treatment Arms



iDFS = invasive disease-free survival; DDFS = distant disease-free survival; OS = overall survival

* Stratified by sTILs



FDA Grants Regular Approval to Sacituzumab Govitecan for Triple-Negative Breast Cancer

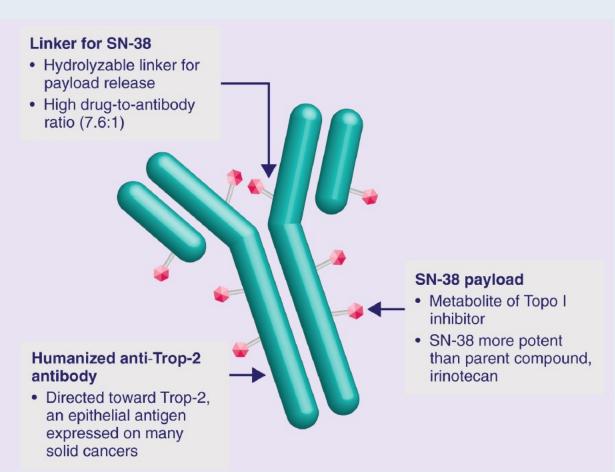
Press Release: April 7, 2021

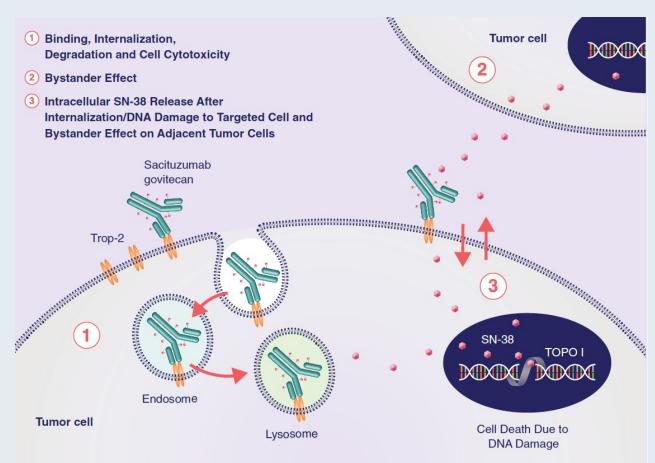
"The Food and Drug Administration granted regular approval to sacituzumab govitecan for patients with unresectable locally advanced or metastatic triple-negative breast cancer (mTNBC) who have received two or more prior systemic therapies, at least one of them for metastatic disease.

Efficacy and safety were evaluated in a multicenter, open-label, randomized trial (ASCENT; NCT02574455) conducted in 529 patients with unresectable locally advanced or mTNBC who had relapsed after at least two prior chemotherapies, one of which could be in the neoadjuvant or adjuvant setting, if progression occurred within 12 months. Patients were randomized (1:1) to receive sacituzumab govitecan, 10 mg/kg as an intravenous infusion, on days 1 and 8 of a 21-day (n = 267) cycle or physician's choice of single agent chemotherapy (n = 262)."



Sacituzumab Govitecan Is a First-in-Class TROP-2-Directed Antibody-Drug Conjugate







N Engl J Med 2021;384:1529-41.

The NEW ENGLAND JOURNAL of MEDICINE

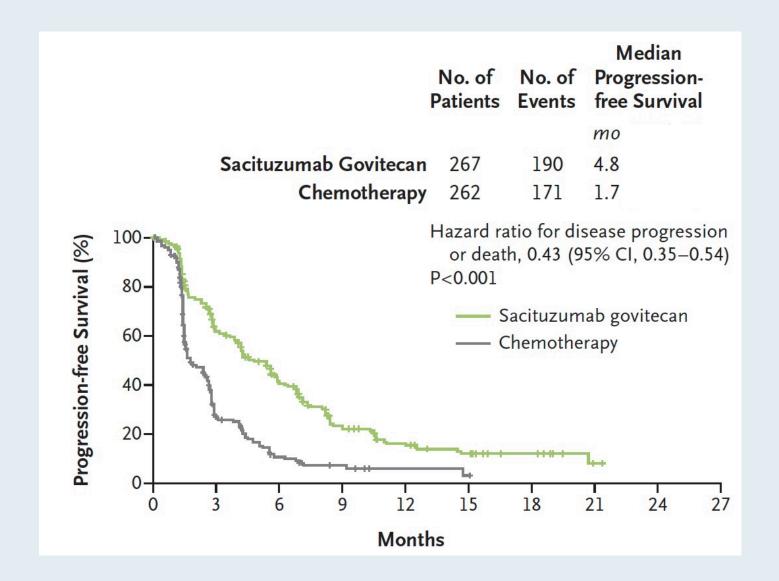
ORIGINAL ARTICLE

Sacituzumab Govitecan in Metastatic Triple-Negative Breast Cancer

A. Bardia, S.A. Hurvitz, S.M. Tolaney, D. Loirat, K. Punie, M. Oliveira, A. Brufsky, S.D. Sardesai, K. Kalinsky, A.B. Zelnak, R. Weaver, T. Traina, F. Dalenc, P. Aftimos, F. Lynce, S. Diab, J. Cortés, J. O'Shaughnessy, V. Diéras, C. Ferrario, P. Schmid, L.A. Carey, L. Gianni, M.J. Piccart, S. Loibl, D.M. Goldenberg, Q. Hong, M.S. Olivo, L.M. Itri, and H.S. Rugo, for the ASCENT Clinical Trial Investigators*

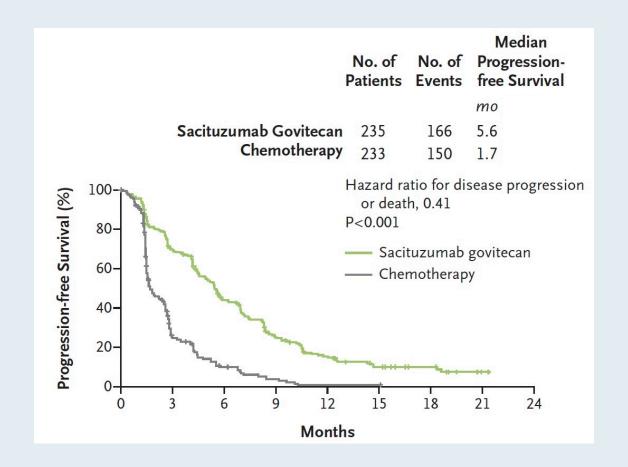


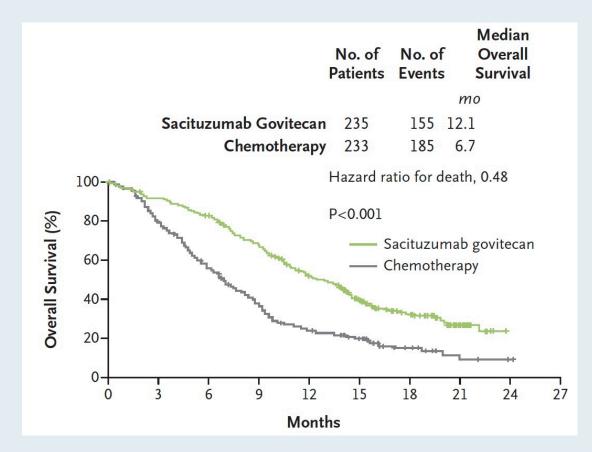
ASCENT: Progression-Free Survival (Overall Population)





ASCENT: PFS and OS among Patients without Brain Metastases







ASCENT: Selected Adverse Events

	Patients (N = 108)				
Adverse event	Any grade	Grade 3	Grade 4		
Gastrointestinal disorders					
Nausea	67%	6%	0		
Diarrhea	62%	8%	0		
Vomiting	49%	6%	0		
Blood and lymphatic system disorders					
Neutropenia	64%	26%	16%		
Anemia	50%	11%	0		
Abnormal values					
Decrease white blood cell counts	21%	8%	3%		



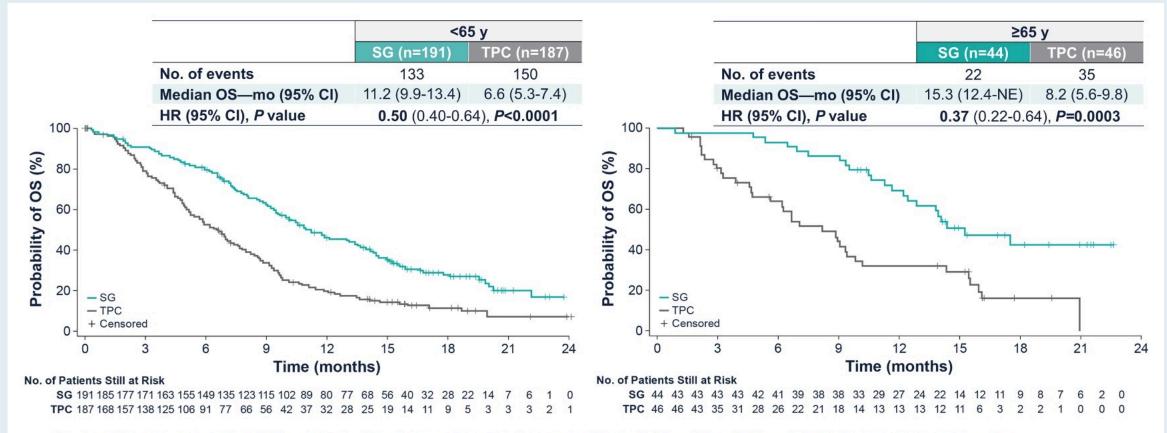
Outcomes in Patients (pts) Aged ≥65 Years in the Phase 3 ASCENT Study of Sacituzumab Govitecan (SG) in Metastatic Triple-Negative Breast Cancer (mTNBC)

Kalinsky K et al.

ASCO 2021; Abstract 1011.



ASCENT: Overall Survival for Young and Older Patients with mTNBC Treated with Sacituzumab Govitecan



 In patients aged ≥65 years, improvement in median OS with SG vs TPC treatment was comparable with that of the overall population (12.1 vs 6.7 months)¹



San Antonio Breast Cancer Symposium 2020; Abstract GS3-06



Biomarker Evaluation in the Phase 3 ASCENT Study of Sacituzumab Govitecan Versus Chemotherapy in Patients With Metastatic Triple-Negative Breast Cancer

Sara A. Hurvitz,¹ Sara M. Tolaney,² Kevin Punie,³ Delphine Loirat,⁴ Mafalda Oliveira,⁵ Kevin Kalinsky,⁶ Amelia Zelnak,⁷ Philippe Aftimos,⁸ Florence Dalenc,⁹ Sagar Sardesai,¹⁰ Erika Hamilton,¹¹ Priyanka Sharma,¹² Sabela Recalde, 13 Eva Ciruelos Gil, 14 Tiffany Traina, 15 Joyce O'Shaughnessy, 16 Javier Cortes, 17 Michaela Tsai, 18 Linda Vahdat, 19 Véronique Diéras, 20 Lisa Carey, 21 Hope S. Rugo, 22 David M. Goldenberg, 23 Quan Hong, 23 Martin Olivo, 23 Loretta M. Itri.²³ and Aditva Bardia²⁴

¹Medical Oncology, University of California, Los Angeles, Jonsson Comprehensive Cancer Center, Los Angeles, CA, USA; ²Dana-Farber Cancer Institute, Boston, MA, USA; ³Department of General Medical Oncology, University Hospitals Leuven, Leuven, Belgium; Institut Curie, Paris, France; Hospital Universitari Vall d'Hebron, Barcelona, Spain; Winship Cancer Institute, Emory University, Atlanta, GA, USA; Northside Hospital, Atlanta, GA, USA; Institut Jules Bordet, Brussels, Belgium; Institut Claudius Regaud, Toulouse, France; Toulouse, France; Toulouse, France; Toulouse, France; Institut Claudius Regaud, Toulouse, France; Toulouse, Fr Medical Center, Columbus, OH, USA; 11Sarah Cannon Research Institute/Tennessee Oncology, Nashville, TN, USA; 12University of Kansas Cancer Center - The Richard and Annette Bloch Cancer Care Pavilion, Kansas City, KS, USA; 13 Institut Catala d'Oncologia Hospitalet, Barcelona, Spain; 14 Hospital Universitario 12 de Octubre, Madrid, Spain; 15 Memorial Sloan Kettering Cancer Center, New York, NY, USA; 15Texas Oncology - Baylor Charles A. Sammons Cancer Center, Dallas, TX, USA; 17IOB Institute of Oncology, Quiron Group, Madrid & Barcelona, Spain; 18VPCI Oncology Research, Minneapolis, MN, USA; 19 Memorial Sloan Kettering Cancer Center, New York, NY, USA; 20 Centre Eugène-Marquis, Rennes, France; 21 University of North Carolina Lineberger Comprehensive Cancer Center, Chapel Hill, NC, USA; 22 University of California San Francisco Comprehensive Cancer Center, San Francisco, CA, USA; 23 Immunomedics, Morris Plains, NJ, USA; and 24 Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA

To obtain presentation, https://bit.ly/2020hurvitzgs3-06



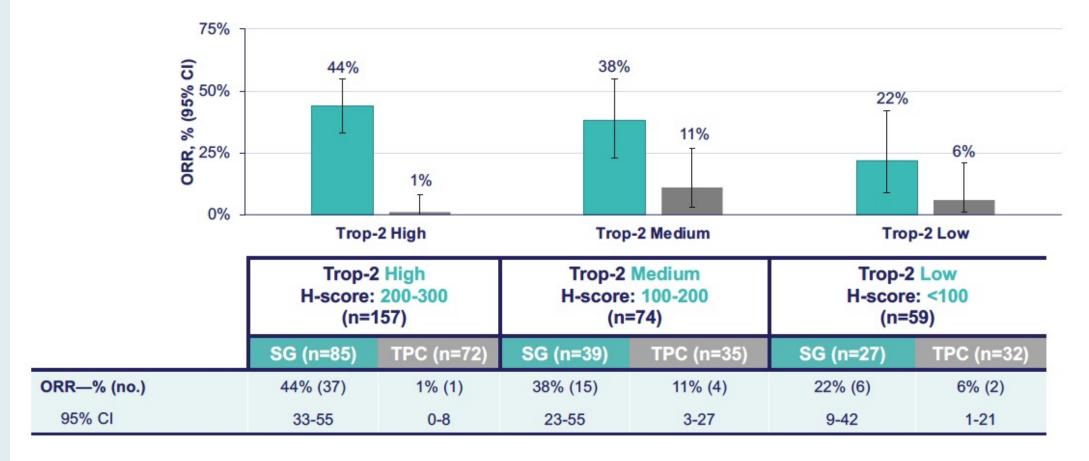






ORR by Trop-2 Expression



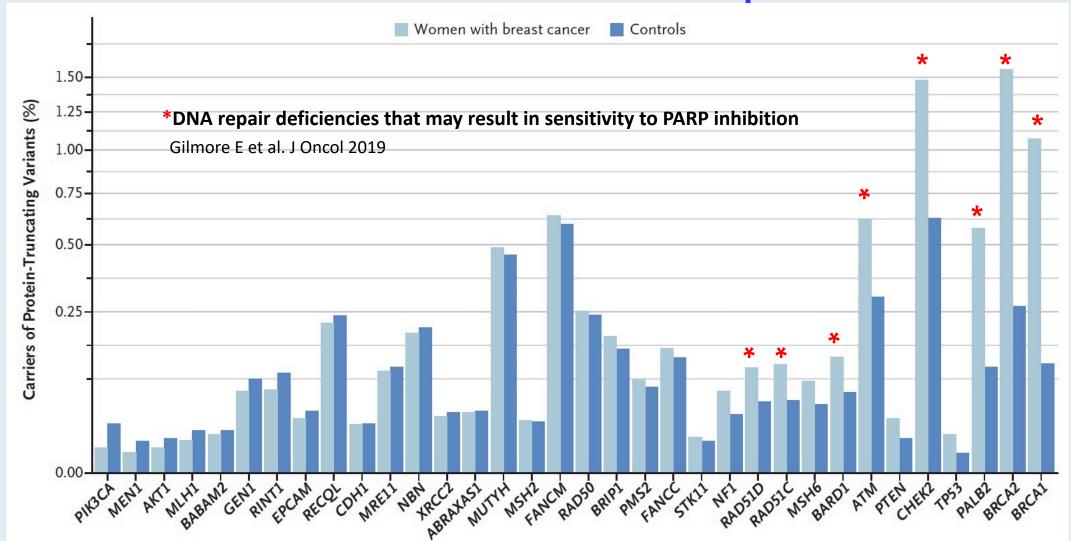


Assessed in the brain metastases-negative population. ORR and PFS are assessed by BICR. Trop-2 expression determined in archival samples by validated immunohistochemistry assay and H-scoring. BICR, blind independent central review; H-score, histochemical-score; ORR, objective response rate; SG, sacituzumab govitecan; TPC, treatment of physician's choice; Trop-2, trophoblast cell surface antigen-2.

This presentation is the intellectual property of the author/presenter. Contact them at shurvitz@mednet.ucla.edu for permission to reprint and/or distribute



Gene Mutations Associated with Breast Cancer Risk in Population-Based Studies: Proportion of Carriers among Women with Breast Cancer and Control Groups





Datopotamab Deruxtecan (Dato-DXd), a TROP2-Directed Antibody-Drug Conjugate (ADC), for Triple-Negative Breast Cancer (TNBC): Preliminary Results from an Ongoing Phase 1 Trial

Bardia A et al.

ESMO Breast 2021; Abstract LBA4.



TROPION-PanTumor01: Datopotamab Deruxtecan for Heavily Pretreated Metastatic TNBC

Efficacy endpoint	Total evaluable in TNBC cohort (N = 21)
ORR	9/21 (43%)
CR/PR (confirmed)	N = 5
CR/PR (pending confirmation)	N = 4
Disease control rate	20/21 (95%)
Disease progression	1/21 (5%)



Meet The Professor Optimizing the Clinical Management of Hodgkin and Non-Hodgkin Lymphomas

Wednesday, September 29, 2021 5:00 PM – 6:00 PM ET

Faculty
Brad S Kahl, MD

Moderator Neil Love, MD



Thank you for joining us!

CME and MOC credit information will be emailed to each participant within 5 business days.

