Endometrial Cancer – Highlight Reel

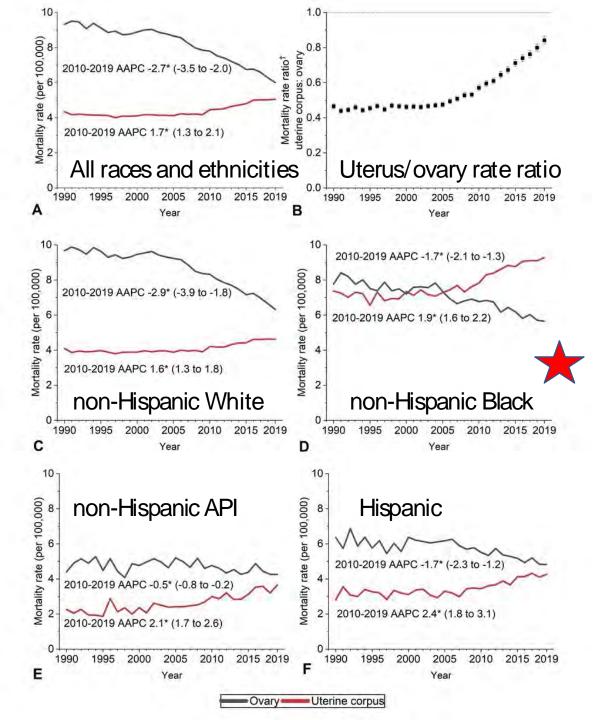
Brian M. Slomovitz, MD, MS, FACOG Professor, Florida International University Director, Gynecologic Oncology, Mount Sinai Medical Center Member, Board of Directors, GOG Foundation Uterine Cancer Lead, GOG Partners

Friday, June 9, 2022

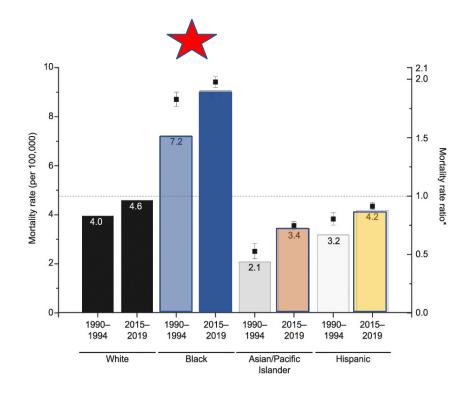


Objectives

- Diversity
- Selinexor
- CDK 4/6
- HER2 ADC (even for HER-low tumors)
- mTOR ADC
- First-line I/O in dMMR patient



Trends in uterine and ovarian cancer mortality rates by race and ethnicity, US 1990–2019.



Giaquinto Obstet & Gynecol Feb 2022

New FDA Guidance on "Diversity Plans to Improve Enrollment of Participants from Underrepresented Racial and Ethnic Populations in Clinical Trials Guidance for Industry", April 13 2022

- Diverse groups need to be a part of the study to evaluate whether the study drug is effective and safe for everyone who will be administered study drug, or what side effects might emerge in one ethnic group or another
- Sponsors must present effectiveness and safety data by gender, age, and ethnic group (eg, race, ethnicity, ancestry) and must identify any modifications of dose or dose interval needed for a specific subgroup, as applicable
- Sponsors should discuss their strategy to enroll a diverse study population at any time throughout the medical product's development
- A Diversity Plan is required for clinical studies intended to support a marketing submission for a stand alone BLA

Real World Data from Endometrial Cancer Molecularly Targeted Consortium: Portrait of Advanced/Recurrent Endometrial Cancer

		White (N=668) <i>,</i> n (%)	Black (N=226) <i>,</i> n (%)	Ρ
NGS or IHC tumor	Yes	527 (78.9)	175 (77.4)	0.23
testing	No	112 (16.8)	47 (20.8)	0.23
	РІЗК	228 (34.1)	51 (22.6)	<0.001
	PTEN	200 (29.9)	27 (11.9)	<0.001
	TP53	178 (26.6)	94 (41.6)	<0.001
	Beta-catenin	56 (8.4)	9 (4)	0.02
Mutations	АКТ	13 (1.9)	8 (3.5)	0.15
	mTOR	8 (1.2)	2 (0.9)	1.00
	ESR	11 (1.6)	3 (1.3)	1.00
	POLE	5 (0.7)	1 (0.4)	1.00
	TSC2	5 (0.7)	1 (0.4)	1.00
ERBB2	Amplification/overexpression	29 (4.3)	12 (5.3)	0.56
ERBB3	Amplification/overexpression	19 (2.8)	4 (1.8)	0.42
	High	47 (7)	7 (3.1)	
TMB status	Intermediate	69 (10.3)	15 (6.6)	0.001
	Low	134 (20.1)	67 (29.6)	

		White	Black	Р
NCC	Yes	48.4%	49.6%	0.75
NGS	No	51.6%	50.4%	0.75
шс	Yes	49%	45.6%	0.21
IHC	No	46.1%	52.2%	0.21

- MSI and dMMR more common in white patients (p<0.001)
- Based on all patients who had NGS testing by Foundation One and CARIS
- Testing status unknown for 4.3% of white (29) and 1.8% of black (4) patients

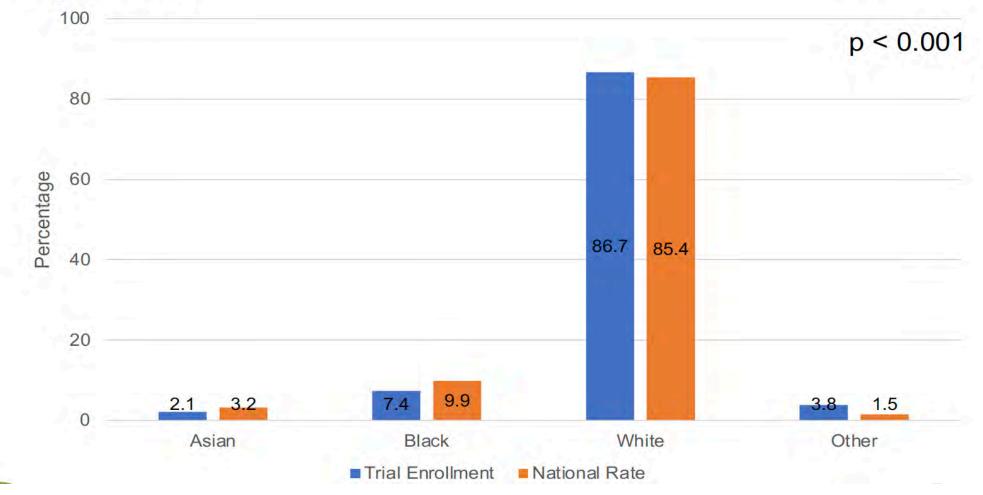
Secord et al, SGO, 2022

Black and Hispanic patient representation in NCCN-recommended systemic therapy regimens for endometrial cancer

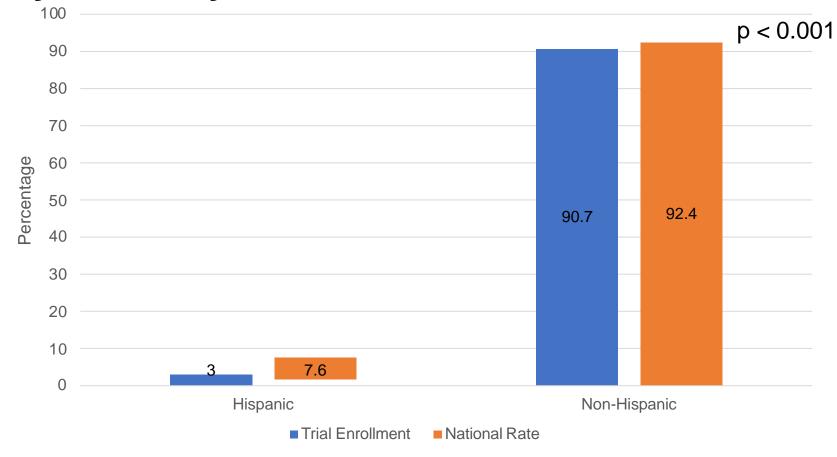
Amita Kulkarni MD, Helen Daifotis MD, Alexander Melamed MD, MPH, Joseph Dottino MD, Jason Wright MD, Fady Khoury Collado MD, June Hou MD, Caryn St Clair MD, Allison Gockley MD

Columbia University Irving Medical Center, New York, NY

Patient representation in NCCN endometrial cancer guidelines compared to the CDC's US Cancer Statistics Database, by race



Patient representation in NCCN endometrial cancer guidelines compared to the CDC's US Cancer Statistics Database, by ethnicity



Conclusion

- Racial ethnic minority patients were commonly underrepresented in cited NCCN studies when compared to national rates of endometrial cancer among these groups
- Continuing to improve minority recruitment as well as transparency with reporting on race and ethnicity in therapeutic trials will help to ensure generalizability of treatment guidelines

Future Direction: Diversity

- Identifying solutions
- Working within our communities to overcome barriers to research
- Ensuring that all trials have equal representation
- Takes a team!







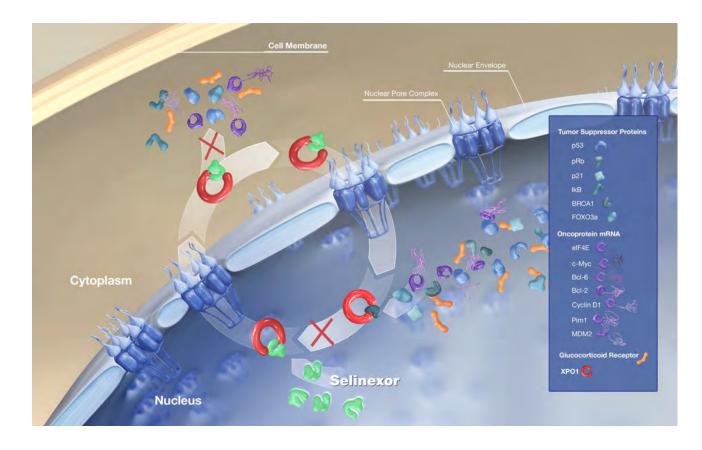
Prospective double-blind, randomized phase III ENGOT-EN5/GOG-3055/SIENDO study of oral selinexor/placebo as maintenance therapy after first-line chemotherapy for advanced or recurrent endometrial cancer

Ignace Vergote,¹Alejandro Pérez Fidalgo,² Erika Hamilton,³ Giorgio Valabrega,⁴ Toon Van Gorp,¹ Jalid Sehouli,⁵ David Cibula,⁶ Tally Levy,⁷ Stephen Welch,⁸ Debra Richardson,⁹ Eva Maria Guerra Alía,¹⁰ Giovanni Scambia,¹¹ Stéphanie Henry,¹² Pauline Wimberger,¹³ David Miller, ¹⁴ Jerónimo Martínez,¹⁵ Bradley Monk,¹⁶ Sharon Shacham,¹⁷ Mansoor Raza Mirza,^{17,18} **Vicky Makker¹⁹**

¹Catholic University Leuven, Cancer Institute at University Hospitals, Belgium, European Union, ²Hospital Clinico Universitario de Valencia, Spain, ³Sarah Cannon Research Institute USA, ⁴University of Torino, Candiolo Cancer Institute, FPO-IRCCS, Italy, ⁵European Competence Center for Ovarian Cancer, Charité Comprehensive Cancer Center, Charité–Berlin University of Medicine, Germany, ⁶Charles University and General Faculty Hospital Prague, Czech Republic, ⁷Wolfson Medical Center, Holon, affiliated with Sackler Faculty of Medicine, Tel Aviv University, Israel,⁸London Health Sciences Centre, UK ⁹University of Oklahoma Medical Center, USA,¹⁰Hospital Universitario Ramón y Cajal, Spain,¹¹Fondazione Policlinico Universitario A. Gemelli IRCCS, Italy, ¹²Centre de Maternité Sainte Elisabeth, Namur, Belgium, ¹³Technische Universitat Dresden, University Hospital Carl Gustav Carus, Germany, ¹⁴University of Texas Southwestern Medical Center; Harold C. Simmons Comprehensive Cancer Center, USA,¹⁵Hospital Universitario Virgen de la Arrixaca, Spain, ¹⁶Biltmore Cancer Center, USA, ¹⁷Karyopharm Therapeutics, USA, ¹⁸Rigshospitalet, Copenhagen University Hospital, Denmark, ¹⁹Memorial Sloan Kettering Cancer Center, USA



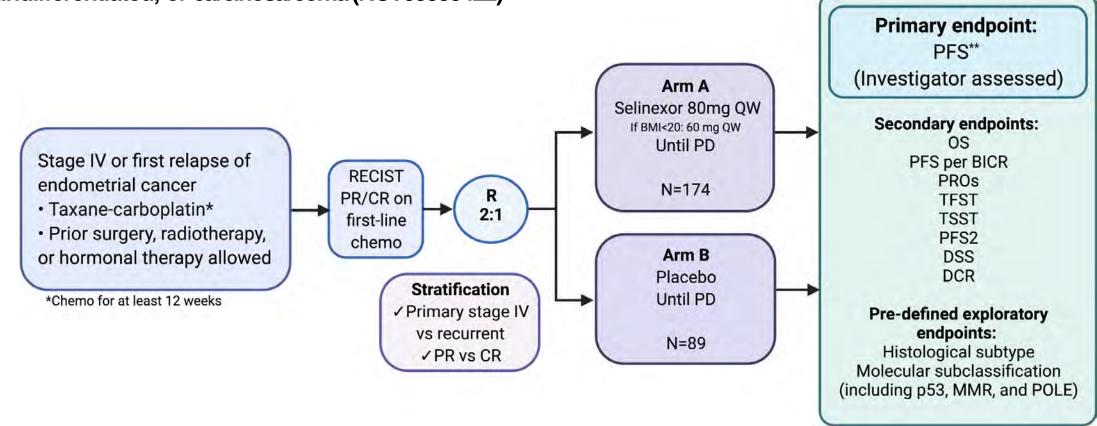
Selenixor: XPO1 Inhibition



Exportin 1 (XPO1) is the major nuclear export protein for: -Tumor suppressor proteins (TSPs, e.g., p53, IkB, and FOXO) Inhibition of XPO1 results in: -Tumor by reactivating multiple TSPs by preventing nuclear export -Reduction of oncoprotein levels **Selinexor** is an oral selective **XPO1** inhibitor

GOG-3055/ENGOT-EN5/SIENDO

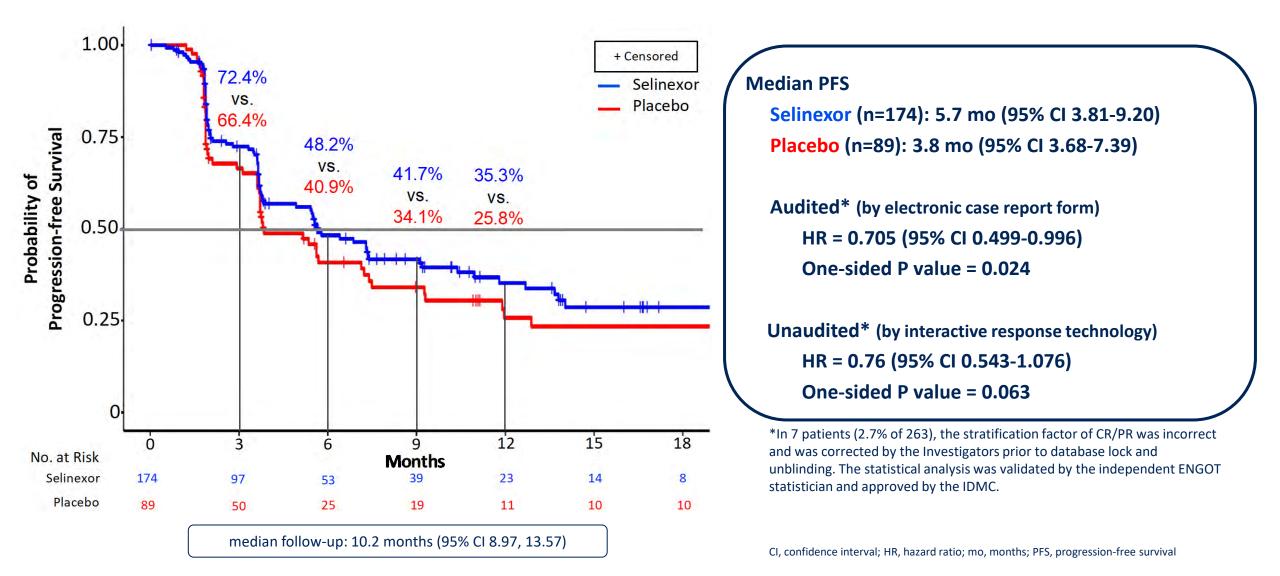
Stage IV or first relapse of endometrial cancer endometrioid, serous, undifferentiated, or carcinosarcoma (NCT03555422)



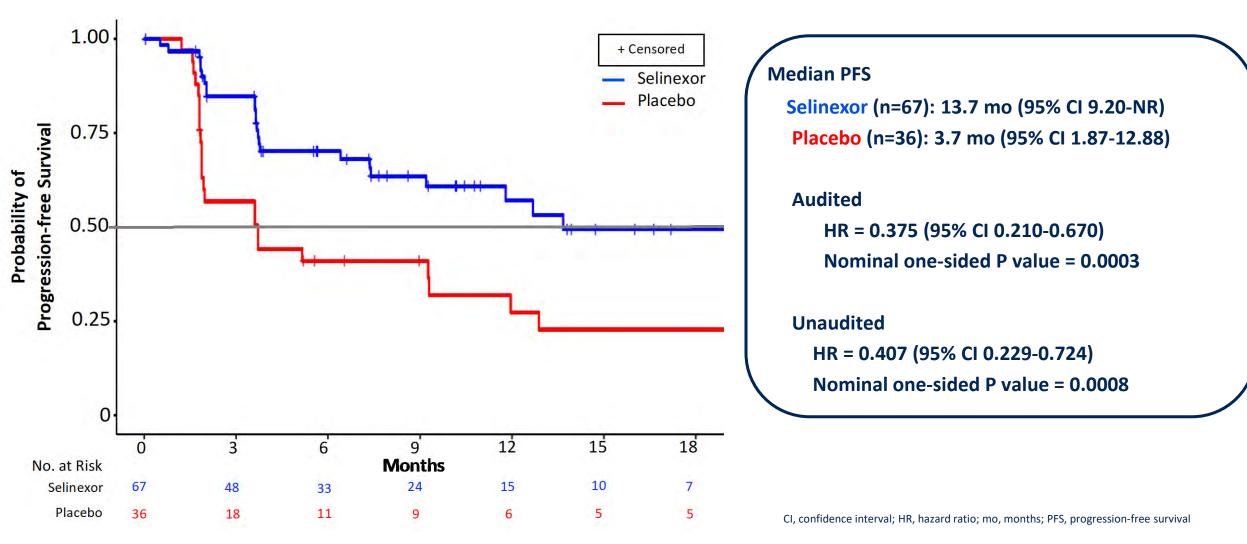
**140 events needed to provide 80% power to detect a hazard ratio of 0.6 (median 4.5 months for placebo and 7.5 months for selinexor) with a one-sided alpha of 0.025 and 2:1 randomization ratio favoring selinexor.

BMI, body mass index; DCR, disease control rate; DSS, disease-specific survival; QW, once weekly; CR, complete response; OS, overall survival; PFS, progression- free survival; PFS2, progression-free survival on subsequent therapy; PR, partial response; PROs, patient-reported outcomes; R, randomized; TFST, time to first subsequent therapy; TSST, time to second subsequent treatment

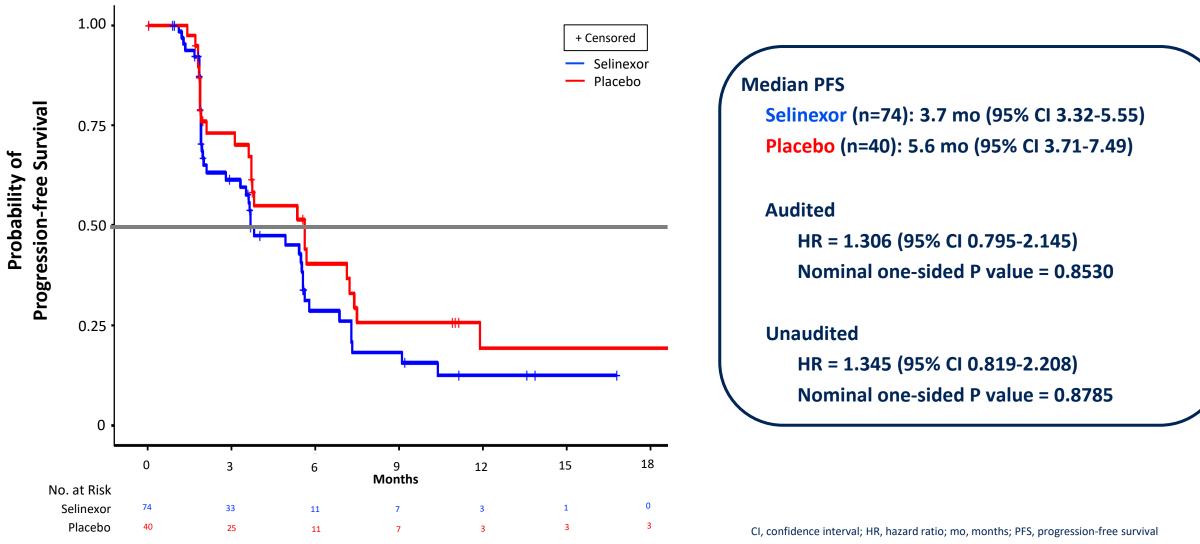
Primary Endpoint: PFS in ITT Population



Preliminary Analysis of a Prespecified Exploratory Subgroup PFS: Patients with p53 wild-type EC



Preliminary Analysis of a Prespecified Exploratory Subgroup PFS: Patients with p53 Mutant/Aberrant EC



SIENDO: Summary and Conclusions

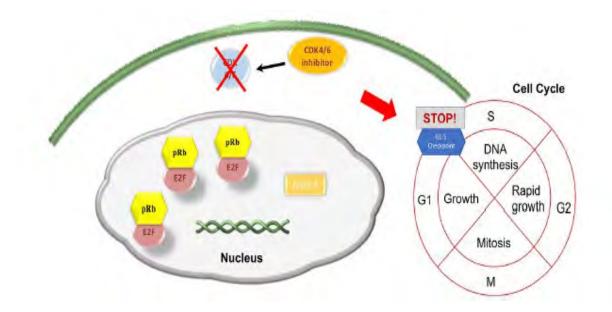
- Once-weekly oral selinexor may prolong progression-free survival compared to placebo in patients with advanced or recurrent endometrial cancer; the audited ITT population had a 30% decrease of risk for progression and/or death compared to placebo
- Pre-specified exploratory subgroup analyses identified p53 wild-type as a potential predictor of efficacy of selinexor, with 10-month PFS improvement over placebo; no benefit for selinexor was seen in patients with p53 mutant/aberrant tumors
- In this small, exploratory subgroup analysis, potential benefit may be observed for selinexor over placebo in the patients with p53 wild-type including MSS and Copy-Number Low endometrial cancer
- Further investigation is warranted for selinexor as a maintenance treatment for patients with p53 wt endometrial cancer

Future Direction: Selinexor

- Evaluate OS in Siendo
- Better understand role of p53 WT and mutant to predict response
- Siendo 2?

CDK 4/6 inhibitors

- Hormonally driven malignancies are known to have actionable therapeutic targets.
- CDK 4/6 inhibitors induce cell-cycle arrest via G1 to S cell cycle checkpoint
- Cyclin D/CDK complex is downstream of estrogen signaling, representing potential synergic antitumor activity when combined with aromatase inhibitor.



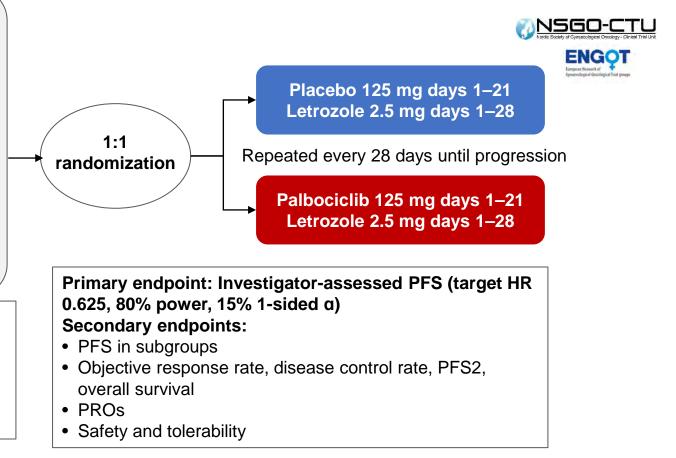
ENGOT-EN3/NSGO-PALEO Trial Design

Inclusion criteria:

- Measurable/evaluable endometrial cancer
- Primary stage 4 or relapsed disease
- ≥1 prior systemic therapy
- ER+ (≥10%) endometrioid adenocarcinoma
- ECOG PS 0/1
- No prior endocrine therapy except MPA and megestrol acetate
- No prior CDK inhibitor

Stratification:

- No. of prior lines (primary advanced disease vs 1st relapse vs ≥2 relapses)
- Measurable vs evaluable disease per RECIST
- Prior use of MPA/megestrol acetate

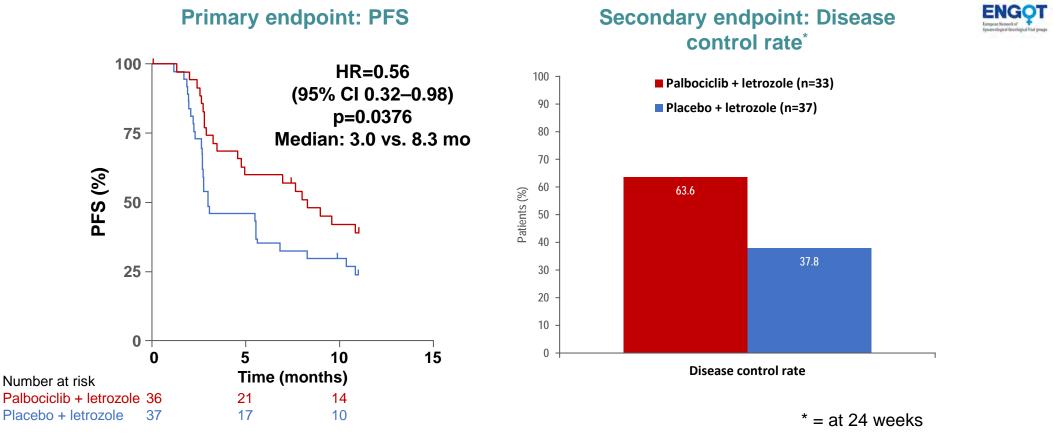


CDK, cyclin-dependent kinase; ECOG, Eastern Cooperative Oncology Group; ER, estrogen receptor; HR, hazard ratio; MPA, medroxyprogesterone acetate; PFS, progression-free survival; PROs, patient-reported outcomes; PS, performance status

Mirza MR et al. Ann Oncol. 2020;31(suppl 4). Abstract LBA28.

ENGOT-EN3/NSGO-PALEO: Efficacy (ITT population)

NSGO-CTU



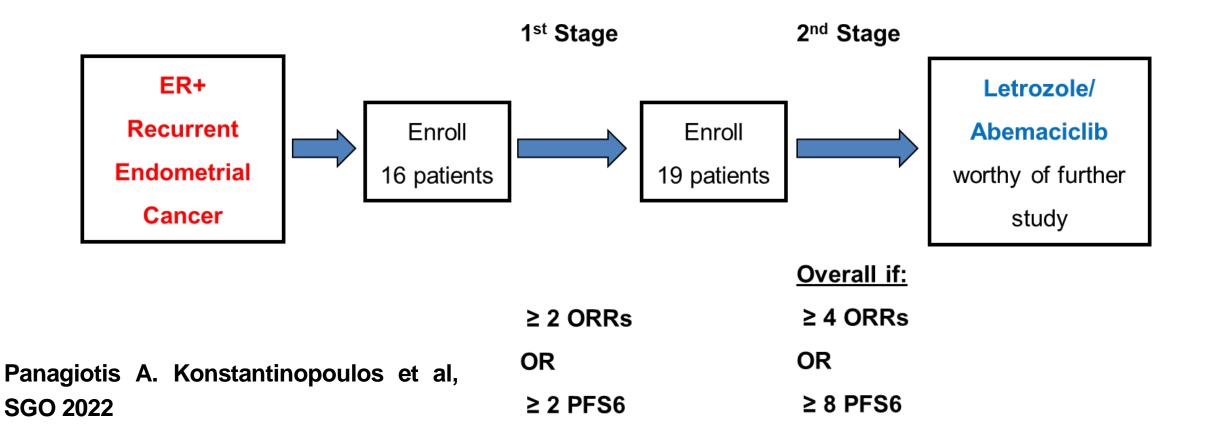
CI, confidence interval; HR, hazard ratio; PFS, progression-free survival

Mirza MR et al. Ann Oncol. 2020;31(suppl 4). Abstract LBA28.

Phase 2, two-stage study of letrozole and abemaciclib in estrogen receptor (ER) positive recurrent or metastatic endometrial cancer (EC)

•Regimen: Letrozole 2.5mg PO daily and Abemaciclib 150 mg PO BID until progression or toxicity

•H0: true ORR < 5% AND PFS6 < 10% whereas improvement to a 20% ORR or 30% PFS6 rate



Objective Response Rate

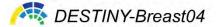
RESPONSE	Patients (N=30) n (%)
Best Overall Response	
Complete Response (CR)	0
	9 (30%)
Partial Response (PR)	(1 unconfirmed,
	all PRs in endometrioid tumors)
Stable Disease (SD)	13 (43.3%)
Progressive Disease (PD)	7 (23.3%)
Not evaluable	1 (3.3%)
ORR, % (95% CI)	30% (14.7-49.4)

Trastuzumab deruxtecan (T-DXd) vs treatment of physician's choice in patients with HER2-low unresectable and/or metastatic breast cancer: Results of DESTINY-Breast04, a randomized, phase 3 study

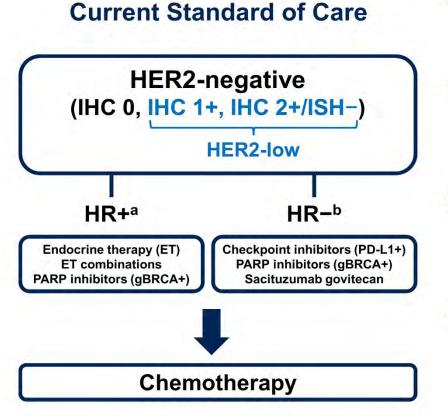
Shanu Modi Memorial Sloan Kettering Cancer Center, Memorial Hospital, New York, NY, USA June 5, 2022

Additional authors: William Jacot, Toshinari Yamashita, Joo Hyuk Sohn, Maria Vidal, Eriko Tokunaga, Junji Tsurutani, Naoto Ueno, Yee Soo Chae, Keun Seok Lee, Naoki Niikura, Yeon Hee Park, Xiaojia Wang, Binghe Xu, Dhiraj Gambhire, Lotus Yung, Gerold Meinhardt, Yibin Wang, Nadia Harbeck, David Cameron

On behalf of the DESTINY-Breast04 investigators



HER2-low mBC: Unmet Clinical Need



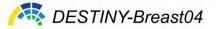
HER2-low mBC is defined by IHC scores of 1+ or 2+/ISH-

- This is a heterogenous population with a high prevalence of HR coexpression and without a distinct biology
- HER2-low mBC is treated as HER2- mBC, with limited options for later lines of therapy¹⁻⁴
 - Current HER2-targeted therapies are not effective for patients with tumors that express lower levels of HER2
- Therapeutic options for patients with HR+/HER2- mBC after CDK4/6i progression have limited efficacy
 - Real-world studies suggest a PFS of <4 months after progressive disease with CDK4/6i⁵
- Limited benefit exists for patients who progress after multiple lines of chemotherapy
 - In a pooled analysis of patients with HER2- mBC, eribulin and capecitabine provide minimal benefit, with a mPFS of ~4 months and mOS of ~15 months⁶

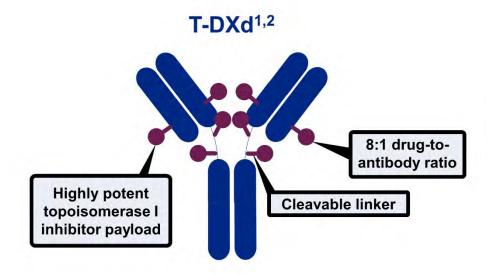
CDK4/6i, cyclin-dependent kinase 4/6 inhibitors; gBRCA+, germline breast cancer gene positive; HER2, human epidermal growth factor receptor 2; HR, hormone receptor; IHC, immunohistochemistry; ISH, in situ hybridization; mBC, metastatic breast cancer; mOS, median overall survival; PARP, poly (ADP-ribose) polymerase; PD-L1, programmed death ligand 1; mPFS, median progression-free survival; T-DXd, trastuzumab deruxtecan.

almmunoreactive for estrogen or progesterone receptor in ≥1% tumor cell nuclei. Immunoreactive for estrogen or progesterone receptor in <1% tumor cell nuclei.

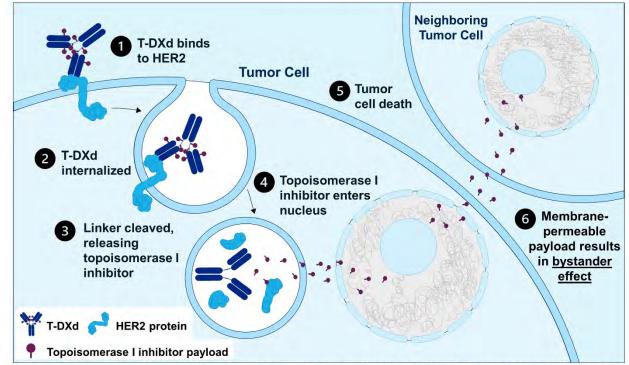
1. Tarantino P, et al. J Clin Oncol. 2020;38(17):1951-1962. 2. Aogi K, et al. Ann Oncol. 2012;23:1441-1448. 3. Eiger D, et al. Cancers (Basel). 2021;13(5):1015. 4. Fehrenbacher L, et al. J Clin Oncol. 2019;38(5):444-453. 5. Mo H, et al. Clin Breast Cancer. 2022;22:143-148. 6. Kaufman PA, et al. J Clin Oncol. 2015;33:594-601.



T-DXd MOA, Bystander Effect, and Rationale for Targeting HER2-low mBC



Internalization of T-DXd leads to release of the DXd payload and subsequent cell death in the target tumor cell and neighboring tumor cells through the bystander effect^{1,2}



Adapted with permission from Modi S, et al. J Clin Oncol 2020;38:1887-96. CC BY ND 4.0.

Results from a phase 1b study have reported efficacy of T-DXd in heavily pretreated patients (N = 54) with HER2-low mBC, with a mPFS of 11.1 months and an ORR of 37.0%³

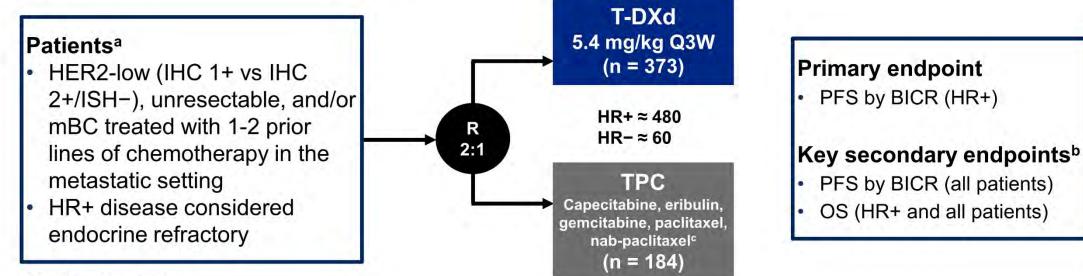
HER2, human epidermal growth factor receptor 2; MOA, mechanism of action; mBC, metastatic breast cancer; mPFS, median progression-free survival; ORR, objective response rate; T-DXd, trastuzumab deruxtecan. 1. Nakada T, et al. *Chem Pharm Bull*. 2019;67:173-185. 2. Ogitani Y, et al. *Clin Cancer Res*. 2016;22:5097-5108. 3. Modi S, et al. *J Clin Oncol*. 2020;38:1887-1896. 4



DESTINY-Breast04: First Randomized Phase 3 Study of T-DXd for HER2-low mBC

5

An open-label, multicenter study (NCT03734029)

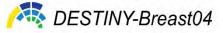


Stratification factors

- Centrally assessed HER2 status^d (IHC 1+ vs IHC 2+/ISH-)
- 1 versus 2 prior lines of chemotherapy
- HR+ (with vs without prior treatment with CDK4/6 inhibitor) versus HR-

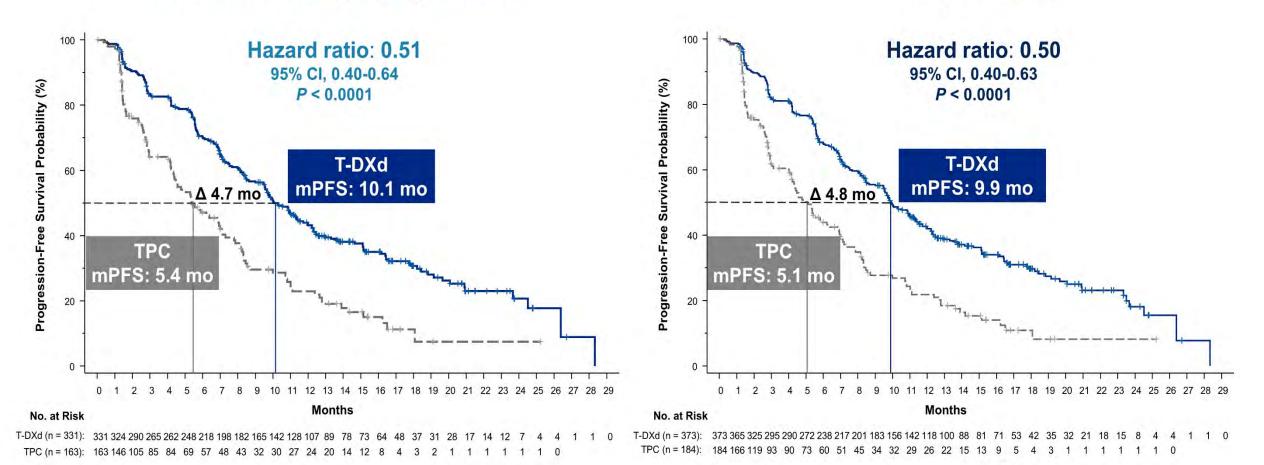
ASCO/CAP, American Society of Clinical Oncology/College of American Pathologists; BICR, blinded independent central review; CDK, cyclin-dependent kinase; DOR, duration of response; HER2, human epidermal growth factor receptor 2; HR, hormone receptor; IHC, immunohistochemistry; ISH, in situ hybridization; mBC, metastatic breast cancer; OS, overall survival; PFS, progression-free survival; Q3W, every 3 weeks; R, randomization; T-DXd, trastuzumab deruxtecan; TPC, treatment of physician's choice.

alf patients had HR+ mBC, prior endocrine therapy was required. ^bOther secondary endpoints included ORR (BICR and investigator), DOR (BICR), PFS (investigator), and safety; efficacy in the HR- cohort was an exploratory endpoint. ^cTPC was administered accordingly to the label. ^dPerformed on adequate archived or recent tumor biopsy per ASCO/CAP guidelines using the VENTANA HER2/neu (4B5) investigational use only [IUO] Assay system.



PFS in HR+ and All Patients

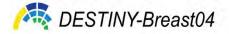
Hormone receptor-positive



PFS by blinded independent central review.

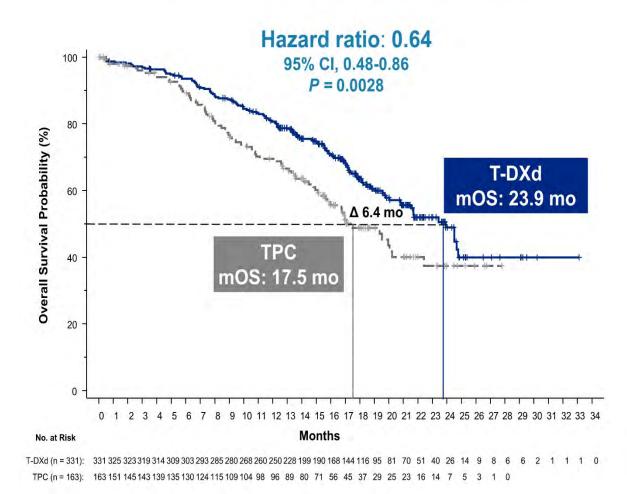
HR, hormone receptor; mPFS, median progression-free survival; PFS, progression-free survival; T-DXd, trastuzumab deruxtecan; TPC, treatment of physician's choice.

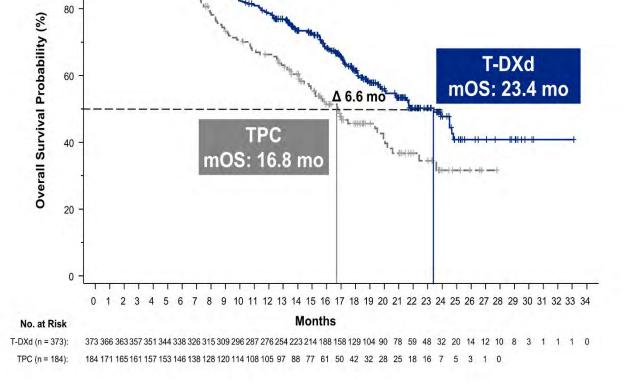
All patients



OS in HR+ and All Patients

Hormone receptor-positive







Hazard ratio: 0.64

95% CI, 0.49-0.84

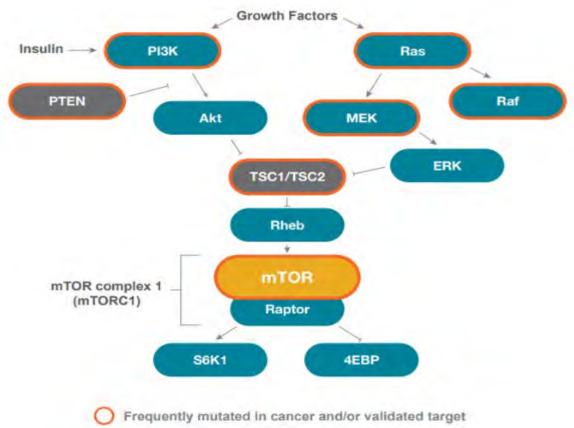
P = 0.0010

100

HR, hormone receptor; mOS, median overall survival; OS, overall survival; T-DXd, trastuzumab deruxtecan; TPC, treatment of physician's choice.

The mTOR Pathway Integrates Environmental Signals to Regulate Cellular Growth and Homeostasis

- The mTOR signaling pathway coordinates cell growth and metabolism with environmental cues such as growth factors and nutrients
- mTOR activation ultimately regulates cell growth through the phosphorylation of p70S6 kinase 1 (S6K1) and eIF4E binding protein (4EBP) and cell proliferation



4EBP, eIF4E binding protein; Akt, protein kinase B; eIF4E, eukaryotic translation initiation factor 4E; ERK, extracellular signal-regulated kinases; MEK, mitogen-activated protein kinase kinase; mTOR, mechanistic target of rapamycin; PI3K, phosphatidylinositol 3-kinase; PTEN, phosphatase and tensin homolog; Raf, rapidly accelerated fibrosarcoma protein; Raptor, regulatory-associated protein of mTOR; Ras, rat sarcoma virus homolog; Rheb, Ras homolog enriched in brain; S6K, p70S6 kinase; *TSC1/2*, tuberous sclerosis complex subunit 1/2. Saxton RA, et al. *Cell*. 2017;169(2):361-371.

GOG 3007: Results

Regimen	N	Objective Response	Objective Response - NPC	CBR	CBR- NPC	PFS	OS
Everolimus/ Letrozole	37	22%, (95%Cl, 11% to 37%)	53%	78%	87%	6 mos (95% Cl <i>,</i> 4-18)	31 mos(95% Cl 14-40)
MPA/ Tamoxifen	37	25%, (95%Cl, 14% to 41%)	43%	69%	86%	4 mos (95% Cl, 3-6)	17 Mos (95% Cl 9-289)

Median follow-up: 37 mos

CBR, clinical benefit response; MPA, medroxyprogesterone acetate; NPC, no prior chemotherapy; OS, overall survival; PFS, progression-free survival

Slomovitz BM et al. Gynecol Oncol. March 2022.

GOG 3007: Outcomes in Patients Who Did Not Receive Prior Chemotherapy

Regimen	RR	PFS
Everolimus/letrozole	47%	28 months
Tamoxifen/MPA	43%	6.1 months
Carboplatin/paclitaxel (GOG 209)	51%	14 months

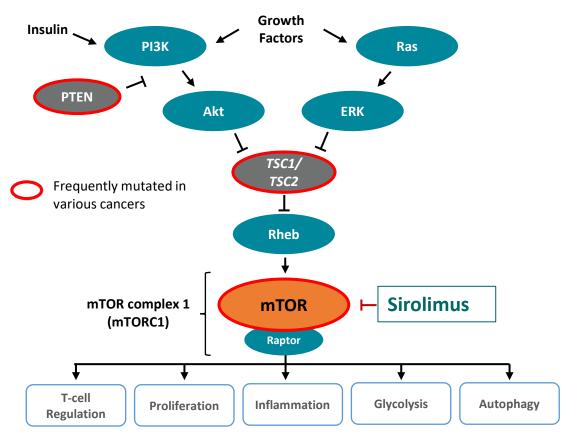
MPA, medroxyprogesterone acetate; PFS, progression-free survival; RR, response rate

Slomovitz BM et al. Gynecol Oncol. March 2022

nab-Sirolimus Mechanism of Action

- mTOR pathway activation is prevalent in PEComas¹
 - mTOR pathway controls cell proliferation, division, and numerous metabolic pathways
 - Mutations of mTOR inhibitory genes (eg, PTEN, TSC1, and TSC2) can lead to their inactivation, which triggers mTORC1 formation and uncontrolled cell division²
 - mTOR inhibitors bind to mTORC1 and halt cancer cell proliferation and division¹
- mTOR inhibitors such as sirolimus have shown clinical benefit in malignant PEComa³⁻⁵
 - However, currently available mTOR inhibitors are limited by poor solubility, low bioavailability, and incomplete target inhibition⁶
- Nanoparticle albumin-bound (*nab*) technology enhances bioavailability and tumor targeting of chemotherapeutic agents (eg, paclitaxel, sirolimus)⁷
- nab technology complexes sirolimus to human albumin, leveraging natural albumin-based transport mechanisms to enhance intra-tumoral drug accumulation⁷⁻⁸
- nab platform improves drug bioavailability, tumor targeting, and efficacy⁷⁻⁸

Mechanism of Action of mTOR Inhibitors¹

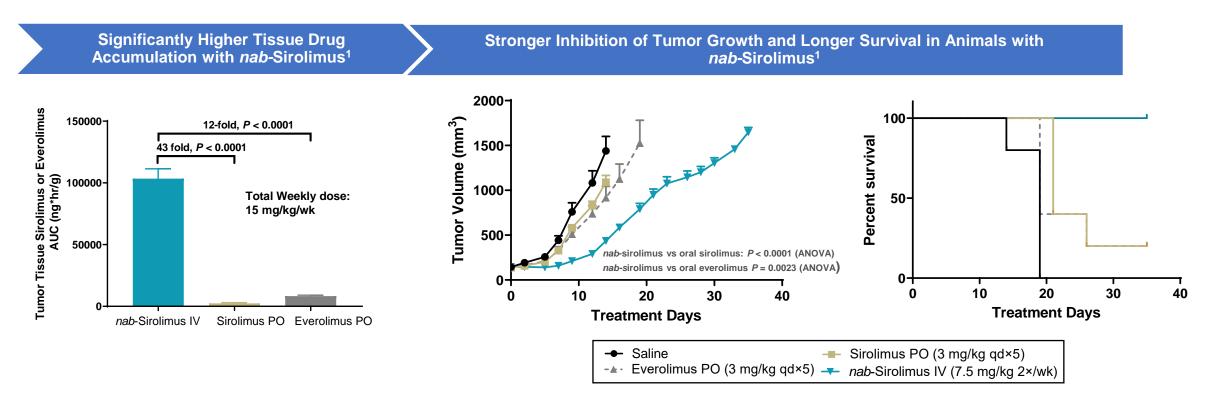


Akt, protein kinase B; ERK, extracellular signal-regulated kinases; mTOR, mechanistic target of rapamycin; mTORC1, mTOR complex 1; *nab*, nanoparticle albumin-bound; PEComa, perivascular epithelioid cell tumor; PI3K, phosphatidylinositol 3-kinase; PTEN, phosphatase and tensin homolog; Raptor, regulatory-associated protein of mTOR; Ras, rat sarcoma virus homolog; Rheb, Ras homolog enriched in brain; *TSC1/2*, tuberous sclerosis complex subunit1/2.

1. Akumalla S et al. Oncology. 2020;98(12):905-912. 2. Bleeker JS, et al. Sarcoma. 2012;2012:541626. 3. Benson C et al. Anticancer Res. 2014;34(7):3663-3668. 4. Dickson MA et al. Int J Cancer. 2013;132(7):1711-1717. 5. Italiano A et al. Ann Oncol. 2010;21(5):1135-1137. 6. Hou S et al. Cancer Res. 2019;79(13 Suppl):Abstract nr 348. 7. Desai N et al, Clin Cancer Res. 2006;12(4):1317-1324. 8. Shahzad Y et al, Curr Cancer Drug Targets. 2014;14(8):752-63.

nab-sirolimus Combines Sirolimus with nab Technology

- *nab* technology is a proprietary method of binding therapies to albumin
 - achieves better tumor targeting and uptake than solvent-based treatment in preclinical models^{1,2-4}
 - may translate to better efficacy and safety in clinical studies²⁻⁴
- nab-sirolimus adapts the nab process for sirolimus to enhance anti-tumor activity compared with currently approved mTOR inhibitors and is currently FDA approved for adult patients with advanced malignant PEComa¹



ANOVA, analysis of variance; IV, intravenous; *nab*, nanoparticle albumin-bound; NSCLC, non-small cell lung cancer; PEComa, perivascular epithelioid cell tumor; PO, by mouth; qd, once daily; wk, week. 1. Hou S et al. *Cancer Res*. 2019;79(13 Suppl):Abstract nr 348. 2. ABRAXANE prescribing information. 3. Desai N et al, *Clin Cancer Res*. 2006;12(4):1317-1324. 4. Gradishar WJ, et al. *J Clin Oncol*. 2005;23(31):7794-7803.

AMPECT: Best Response, Duration of Response by Independent Review

	N = 31 [*]	
Confirmed Overall Response Rate	39% (12/13, 95% CI: 22, 58)	
CR	7% (2/31)	
PR	32% (10/31)	
SD	52%	
Progressive Disease	10%	
Disease Control Rate (CR, PR, SD ≥12 weeks)	71%	

Not Reached
5.6-55.5+
92%
75%
66%
66%

Total may exceed 100% due to rounding.

- 2 patients converted from a PR to CR after 11 months and 34 months of treatment, respectively
- Median DOR has not been reached; 50% of patients had a DOR of 36.1+ months (range, 5.6–55.5+ months)

CI, confidence interval; CR, complete response; DOR, duration of response; KM, Kaplan-Meier; max, maximum; min, minimum; PEComa, perivascular epithelioid cell tumor;

PR, partial response; SD, stable disease.

Wagner et al. Connective Tissue Oncology Society Annual Meeting. 2021; Abstract 1080747.

^{*3/34} treated patients were not evaluable: 2 patients confirmed as "not PEComa" (misdiagnosis), 1 pt had no tissue for central confirmation of PEComa. [†]DOR median and rates are based on KM estimates; "+" indicates ongoing value.

Future Direction: Biomarker directed

- CDK 4/6
- Her 2
- mTOR

PD-1 Blockade in Mismatch Repair–Deficient, Locally Advanced Rectal Cancer

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RESULTS A total of 12 patients have completed treatment with dostarlimab and have undergone at least 6 months of follow-up. All 12 patients (100%; 95% confidence interval, 74 to 100) had a clinical complete response, with no evidence of tumor on magnetic resonance imaging, ¹⁸F-fluorodeoxyglucose–positron-emission tomography, endoscopic evaluation, digital rectal examination, or biopsy. At the time of this report, no patients had received chemoradiotherapy or undergone surgery, and no cases of progression or recurrence had been reported during follow-up (range, 6 to 25 months). No adverse events of grade 3 or higher have been reported.

2022 ASCO® ANNUAL MEETING

Dostarlimab in Advanced/Recurrent Mismatch Repair Deficient/Microsatellite Instability–High or Proficient/Stable Endometrial Cancer: the GARNET study

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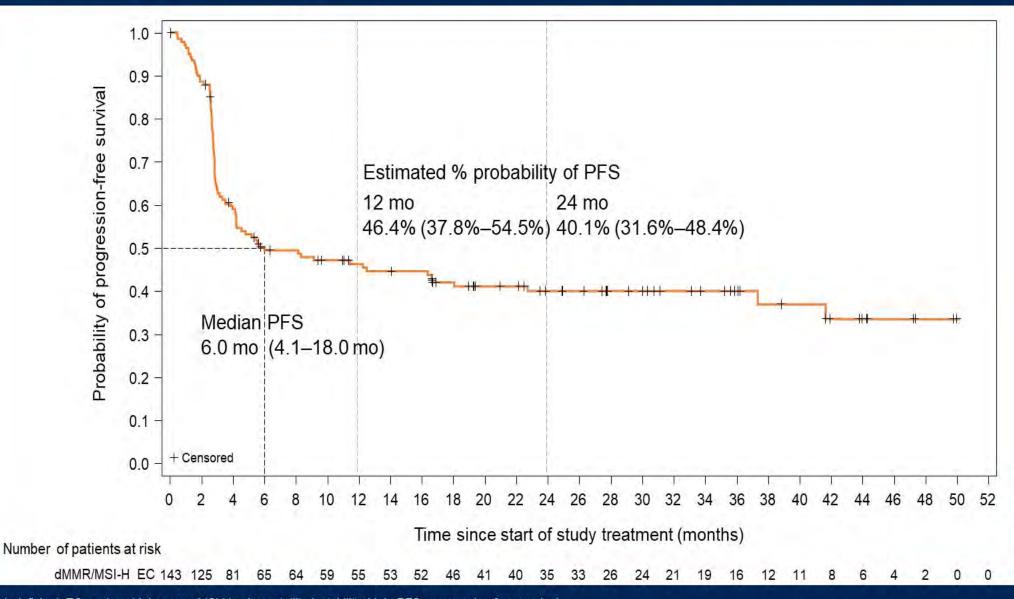
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Primary Endpoint Analysis

	dMMR/MSI-H EC N=143	MMRp/MSS EC N=156
Median follow-up time, months	27.6	33.0
ORR, % (95% CI; n/N) Complete response, n (%) Partial response, n (%) Stable disease, n (%) Progressive disease, n (%) Not evaluable, n (%)	45.5% (37.1–54.0; 65/143) 23 (16.1) 42 (29.4) 21 (14.7) 51 (35.7) 6 (4.2)	15.4% (10.1–22.0; 24/156) 4 (2.6) 20 (12.8) 29 (18.6) 88 (56.4) 15 (9.6)
Median time from cycle 1 day 1 to best overall response, mo Complete response Partial response	2.79 2.69	2.81 2.79
Disease control rate, % (95% CI; n/N)	60.1% (51.6–68.2; 86/143)	34.0% (26.6–42.0; 53/156)
Response ongoing, n (%)	54 (83.1)	9 (37.5)
Median duration of response (range), months	NR (1.18+ to 47.21+)	19.4 (2.8 to 47.18+)
Probability of maintaining response, % 6 months 12 months 24 months	96.8 93.3 83.7	82.6 60.3 44.2

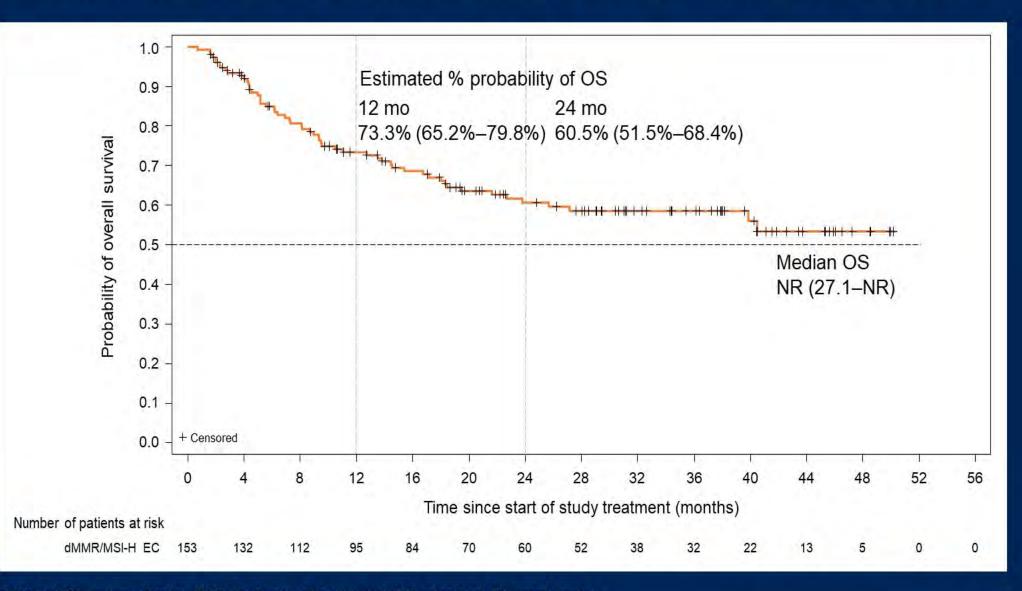
dMMR, mismatch repair deficient; EC, endometrial cancer; MMRp, mismatch repair proficient; MSI-H, microsatellite instability-high; MSS, microsatellite stable; NR, not reached; ORR, objective response rate.

Probability of Progression-Free Survival: dMMR/MSI-H



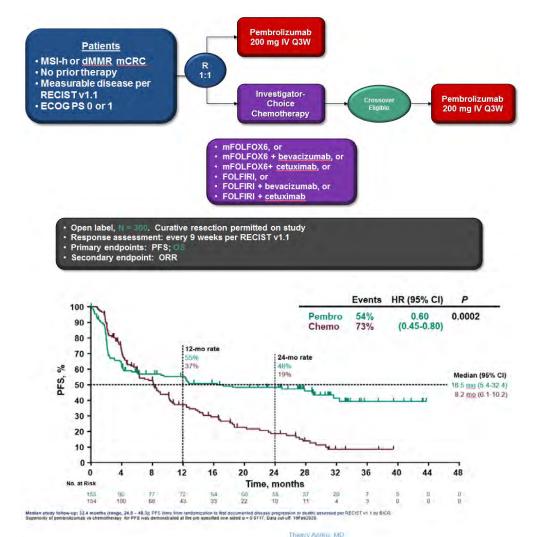
dMMR, mismatch repair deficient; EC, endometrial cancer; MSI-H, microsatellite instability-high; PFS, progression-free survival.

Probability of Overall Survival: dMMR/MSI-H



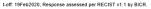
dMMR, mismatch repair deficient; EC, endometrial cancer; MSI-H, microsatellite instability-high; NR, not reached; OS, overall survival.

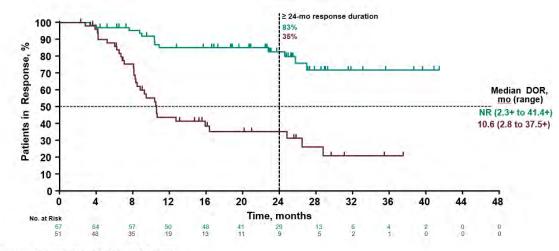
KEYNOTE-177: Robust Activity of Pembro Monotx Compared to SOC in Stage IV MSI-H/dMMR CRC



GOG FOUNDATION"

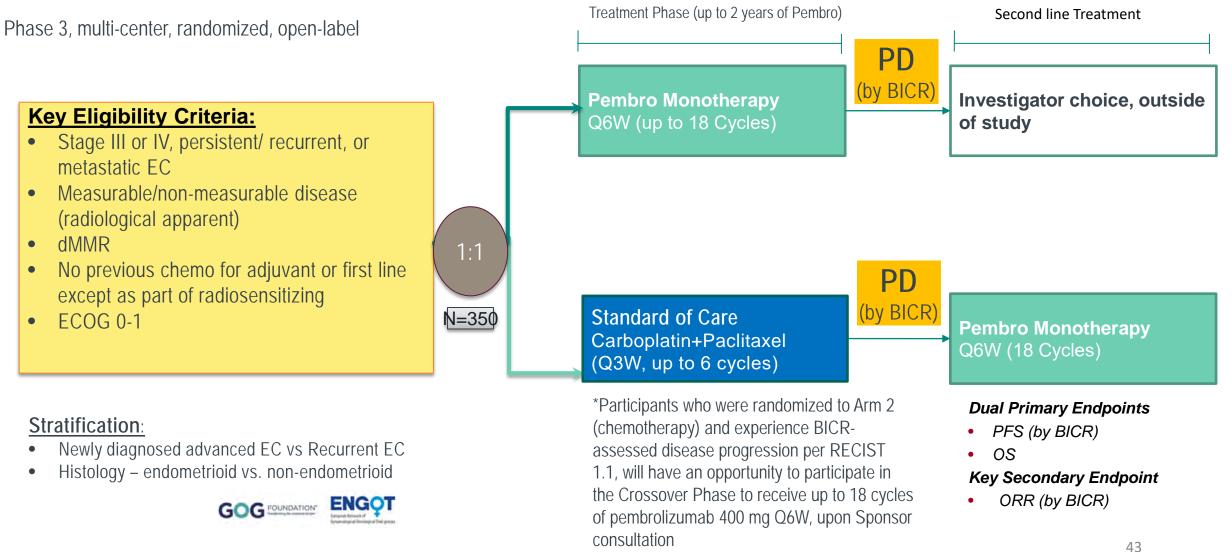
	Pembrolizumab N = 153	Chemotherapy N = 154
ORR, n (%)	67 (43.8)	51 (33.1)
Difference, estimate (95% CI) <i>P</i> -value		0.2-21.3) 0275
Best Overall Response, n (%)		
Complete response	17 (11.1)	6 (3.9)
Partial response	50 (32.7)	45 (29.2)
Stable disease	32 (20.9)	65 (42.2)
Disease control rate (CR+PR+SD)	99 (64.7)	116 (75.3)
Progressive disease	45 (29.4)	19 (12.3)
Not evaluable	3 (2.0)	2 (1.3)
No assessment	6 (3.9)	17 (11.0)
Median time to response (range), mo	2.2 (1.8-18.8)	2.1 (1.7-24.9)





Duration of Response assessed per RECIST v1.1 by BICR: Data cut-off: 19Feb2020

GOG-3064/ENGOT en15/KN-C93: A phase 3, randomized, open-label study of first-line pembrolizumab versus platinum-doublet chemotherapy in mismatch repair deficient advanced or recurrent endometrial carcinoma



The Future is Bright

