Evolution of data supporting the use of ADCs in GYN Cancers

David O'Malley, M.D.

Professor Division Director, Gynecologic Oncology Clinical Trial Advisor, Ovarian Cancer GOG-P

A GOG Foundation, Inc. Educational Program



- Cervical Cancer
 - Tisotumab Vedontin Monotherapy
 - 2nd line+*
 - Tisotumab Vedontin Combo therapy
 - 2nd line+
 - First line
- Ovarian Cancer
 - Mirvetuximab soravtansine Monotherapy
 - PROC*
 - PSOC
 - Mirvetuximab soravtansine Combo therapy
 - PROC
 - PSOC

*Accelerated Approval

Agenda

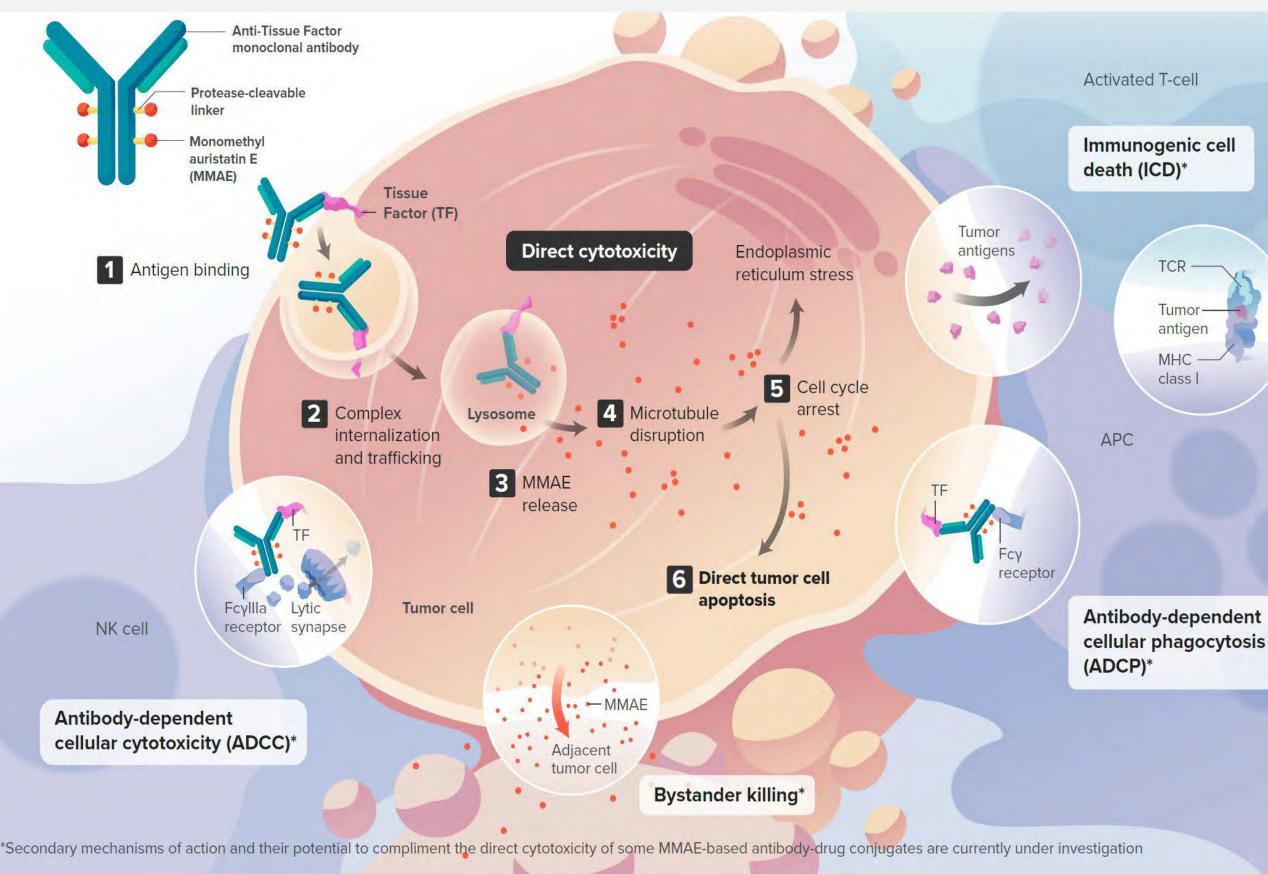


Tisotumab Vedotin (TV)

- Tisotumab vedotin is an investigational antibody-drug conjugate directed to TF and covalently linked to the microtubuledisrupting agent, MMAE, via a proteasecleavable linker^{1,2}
 - TF is a protein highly expressed in cervical cancer and other solid tumors³⁻⁶
- Multimodal MOA of tisotumab vedotin^{1,2,7}
 - Direct cytotoxicity
 - Bystander killing
 - Immunogenic cell death
 - ADCC
 - ADCP

.ADCC, antibody-dependent cellular cytotoxicity; ADCP, antibody-dependent cellular phagocytosis; MMAE, monomethyl auristatin E; MOA, mechanism of action; TF, tissue factor

1. Breij EC et al. Cancer Res. 2014;74(4):1214-1226. 2. De Goeij BE et al. Mol Cancer Ther. 2015;14(5):1130-1140. 3. Forster Y et al. Clin Chim Acta. 2006;364:12-21. 4. Pan L et al. Mol Med Rep. 2019;19:2077-2086. 5. Cocco E et al. BMC Cancer. 2011;11:263. 6. Zhao X et al. Exp Ther Med. 2018;16:4075-4081. 7. Alley SC et al. AACR 2019; Abstract 221.

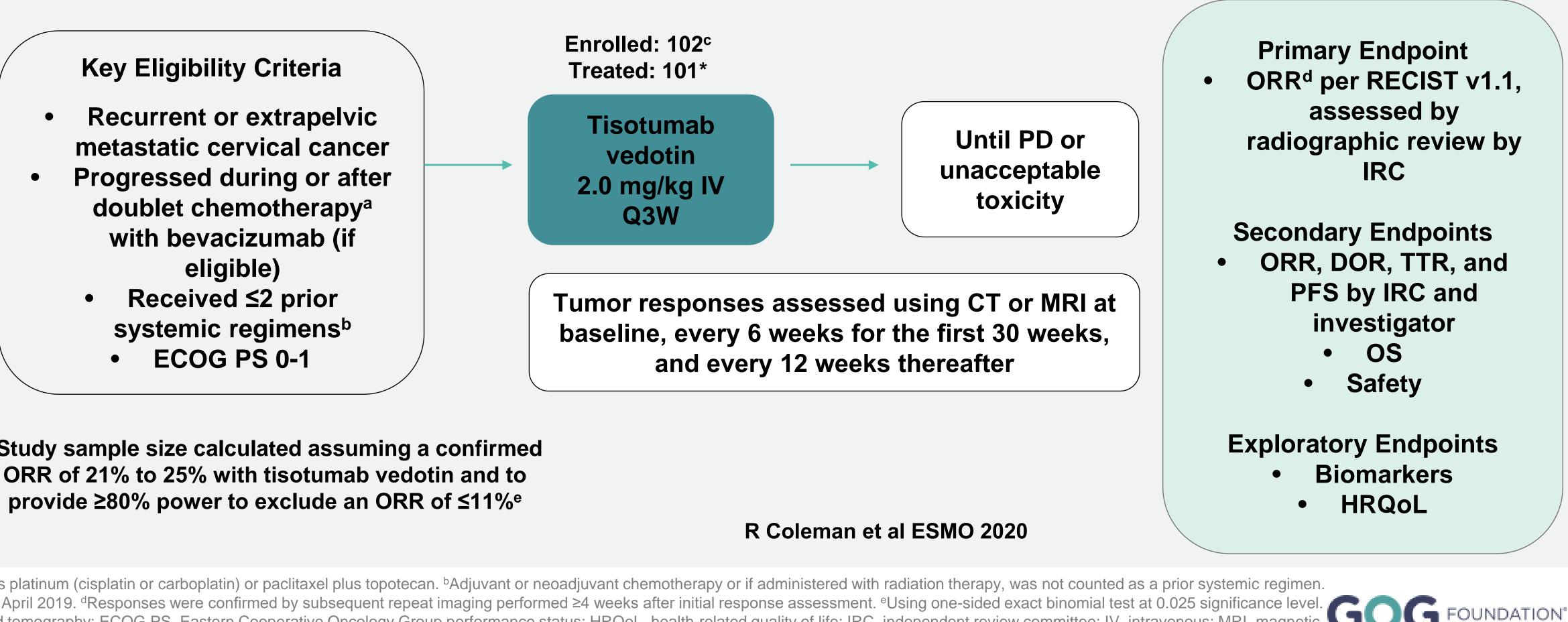








innovaTV 204/ GOG-3023/ENGOT-cx6



*Study sample size calculated assuming a confirmed ORR of 21% to 25% with tisotumab vedotin and to

^aPaclitaxel plus platinum (cisplatin or carboplatin) or paclitaxel plus topotecan. ^bAdjuvant or neoadjuvant chemotherapy or if administered with radiation therapy, was not counted as a prior systemic regimen. ^cJune 2018 to April 2019. ^dResponses were confirmed by subsequent repeat imaging performed ≥4 weeks after initial response assessment. ^eUsing one-sided exact binomial test at 0.025 significance level. **GOG** FOUNDATION[•] CT, computed tomography; ECOG PS, Eastern Cooperative Oncology Group performance status; HRQoL, health-related quality of life; IRC, independent review committee; IV, intravenous; MRI, magnetic **GOG** FOUNDATION[•] resonance imaging; OS, overall survival; PD, progressive disease; Q3W, every 3 weeks; RECIST v1.1, Response Evaluation Criteria In Solid Tumors version 1.1; TTR, time to response.

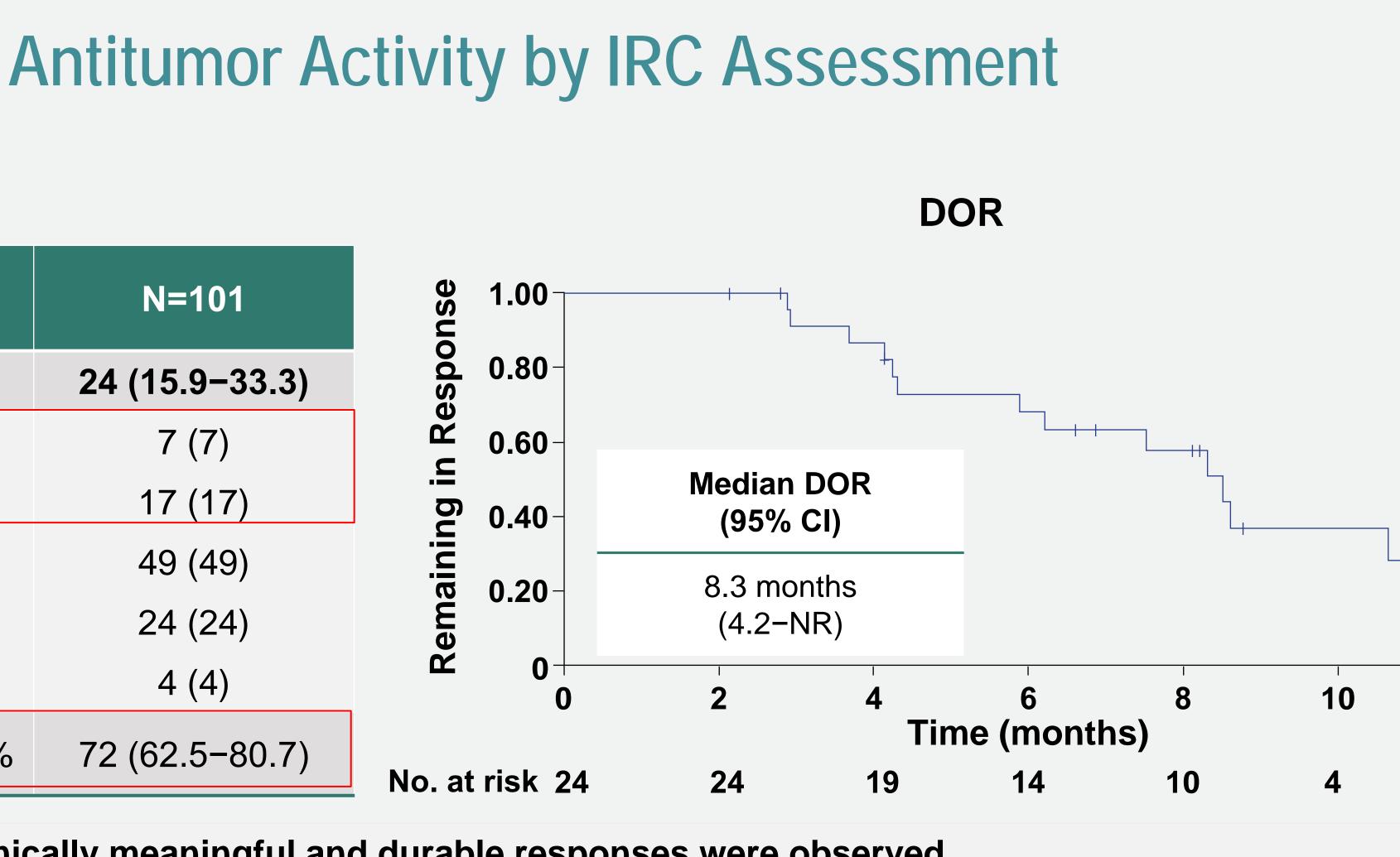
innovaTV 204 (NCT03438396) is a pivotal phase 2 single-arm, multicenter (United States and Europe) study evaluating tisotumab vedotin in patients with previously treated recurrent and/or metastatic cervical cancer

	N=101
Confirmed ORR (95% CI), ^a %	24 (15.9–33.3)
CR, n (%)	7 (7)
PR, n (%)	17 (17)
SD, n (%)	49 (49)
PD, n (%)	24 (24)
Not evaluable, n (%)	4 (4)
Disease control rate (95% CI), ^b %	72 (62.5-80.7)

Clinically meaningful and durable responses were observed

Data cutoff: February 06, 2020. Median duration of follow-up: 10.0 months.

^aBased on the Clopper-Pearson method. ^bPatients with a confirmed response (CR or PR confirmed at least 4 weeks later) or SD (as measured at least 5 weeks after the first dose of tisotumab vedotin). CI, confidence interval; CR, complete response; DOR, duration of response; IRC, independent review committee; NR, not reached; ORR, objective response rate; PD, disease progression; PR, partial response; SD, stable disease.

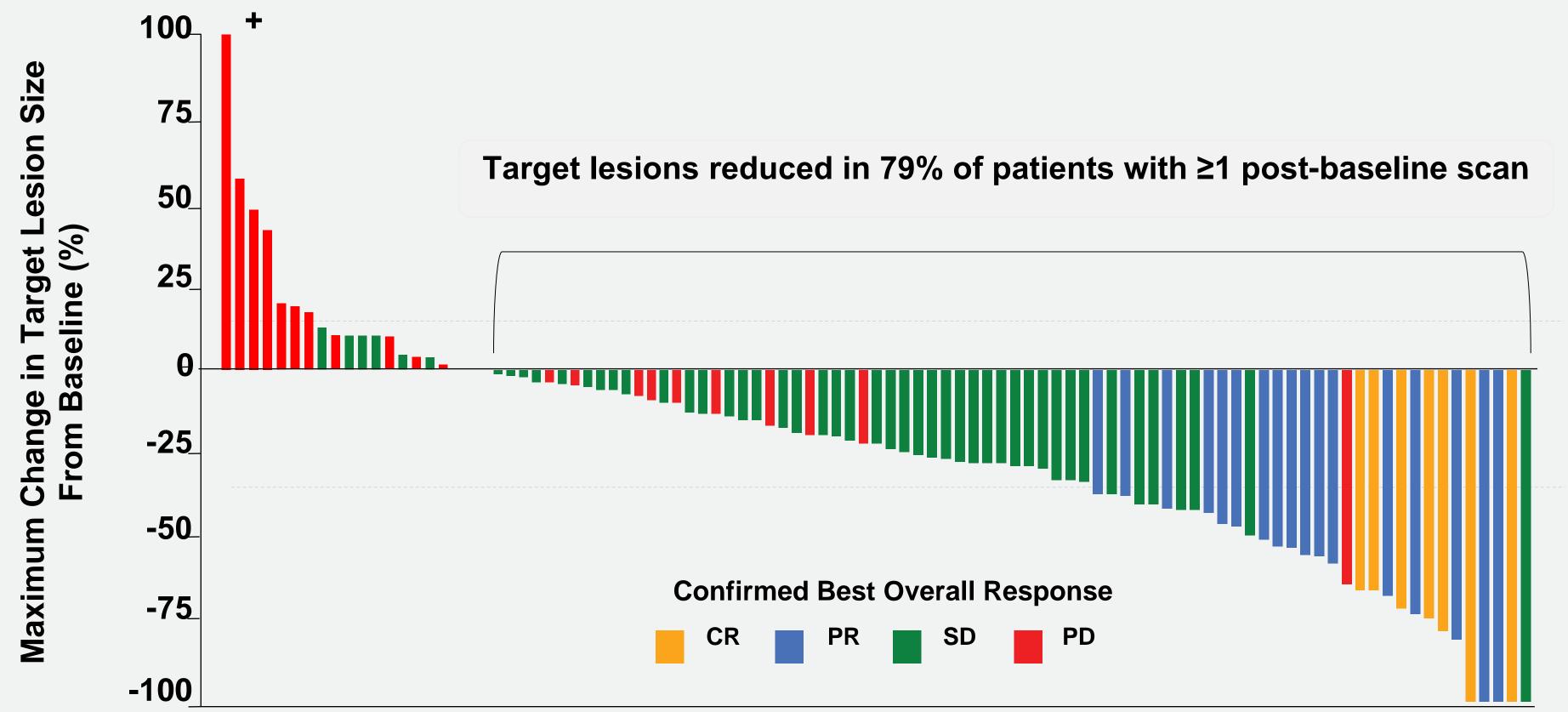


R Coleman et al ESMO 2020; Lancet Oncology 2021



12 0

Maximum Change in Target Lesion Size by IRC Assessment



R Coleman et al ESMO 2020; Lancet Oncology 2021

Data cutoff: February 06, 2020. Median duration of follow-up: 10.0 months. + indicates a change greater than 100%. Horizontal dashed lines indicate 20% increase and 30% decrease in target lesion diameters from baseline for RECIST v1.1 assessment. Colored bars represent the best overall confirmed response. CR, PR, SD, and PD were based on RECIST v1.1 as evaluated by IRC. G CR, complete response; IRC, independent review committee; PD, disease progression; PR, partial response; RECIST v1.1, Response Evaluation Criteria In Solid Tumors version 1.1; SD, stable disease.



Genmab Announces Very Favorable Topline Results from Phase 2 Clinical Trial of Tisotumab Vedotin in Recurrent or Metastatic Cervical Cancer

Jun 29, 2020 at 10:29 PM CEST



TIVDAK™ (tisotumab vedotin-tftv) in Previously Treated **Recurrent or Metastatic Cervical Cancer**

September 20, 2021 17:00 ET | Source: Genmab A/S

Genmab and Seagen Announce FDA Accelerated Approval for



GOG-3057/innovaTV 301/ ENGOT cx12

Phase 3, randomized trial of Tisotumab Vedotin vs Investigator's choice chemotherapy in 2nd or 3rd line recurrent cervical cancer

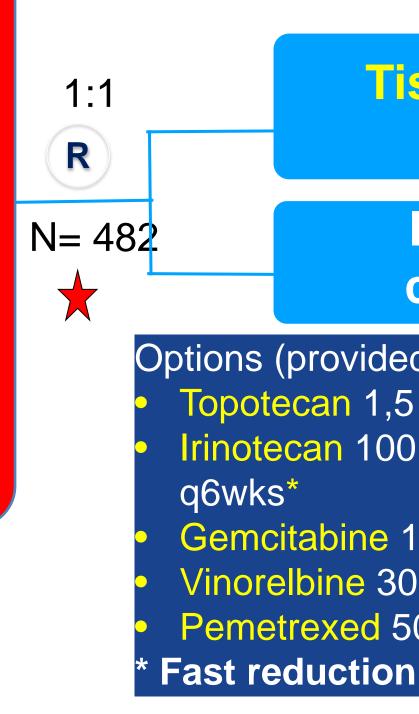




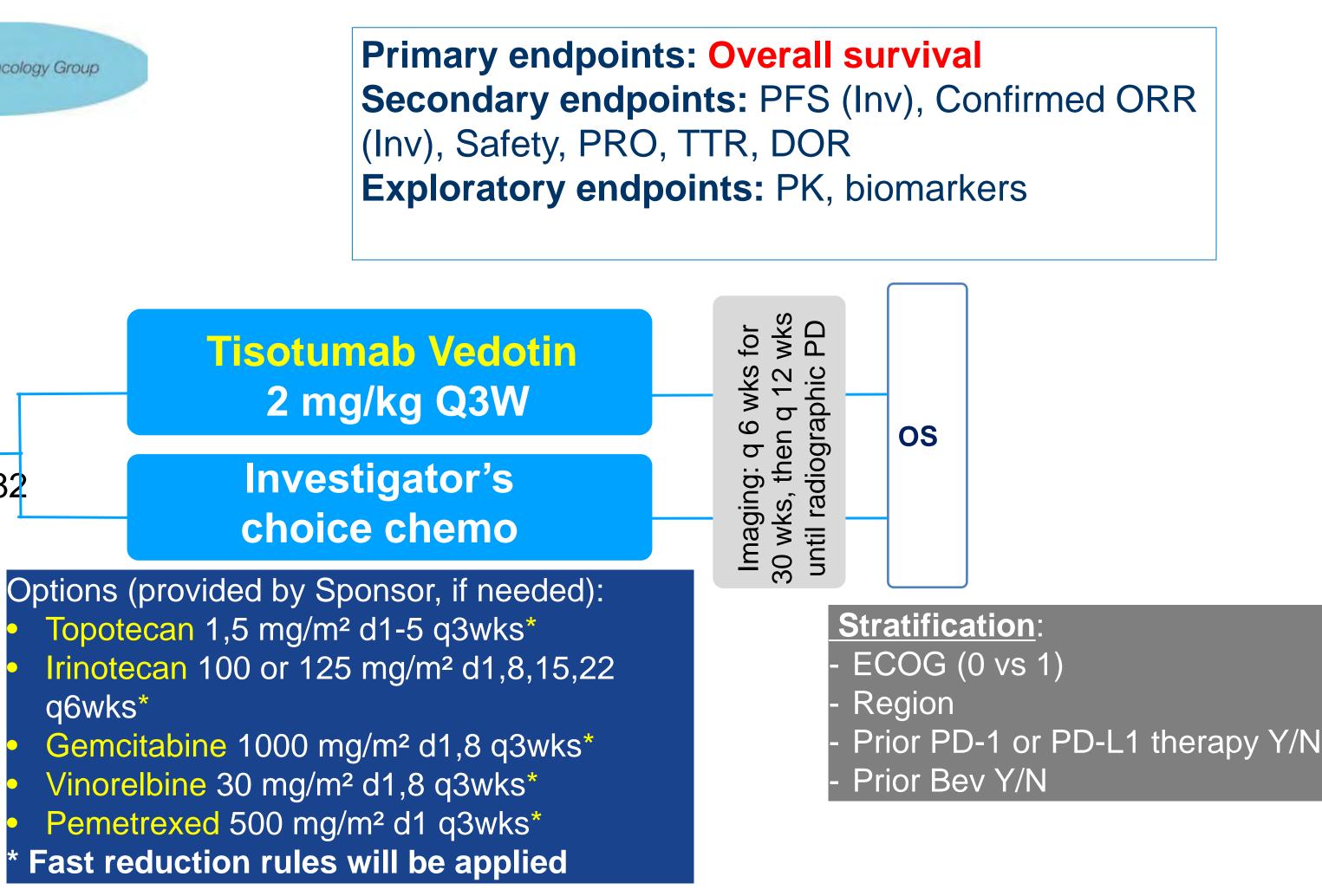


- Progressed during or after 1L chemo of taxane/platin or tax/topo w/wo Bev for metastatic/ recurrent cxca
- 1 or 2 prior lines for metastatic or recurrent disease
- Measurable disease

Planned No. of patients: 482

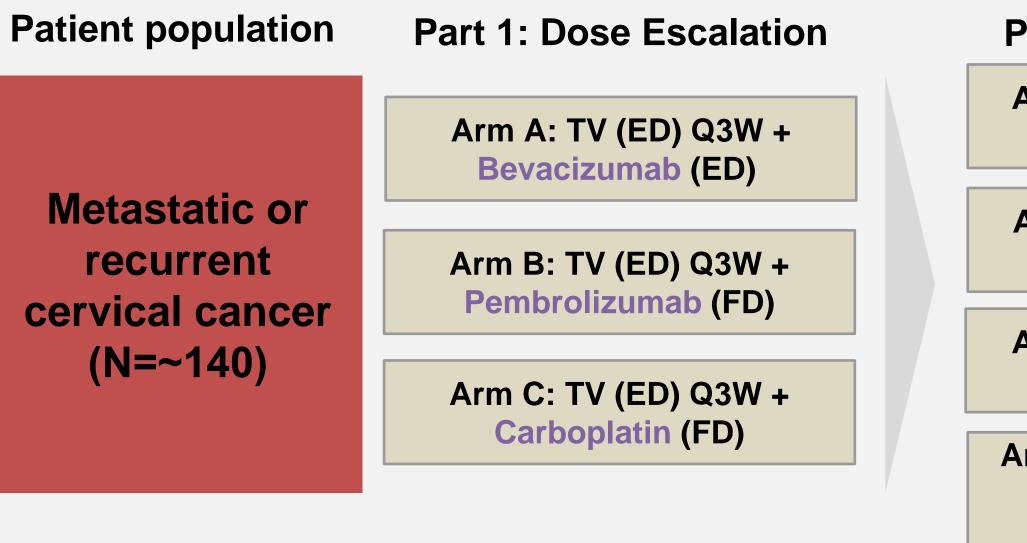


https://www.clinicaltrials.gov/ct2/show/NCT04697628





GOG-3024/InnovaTV 205/ENGOT-cx8/ Phase 1/2 study of TV monotherapy or in combination with other cancer agents in cervical cancer



KEY ELIGIBILITY CRITERIA

- Recurrent or metastatic cervical cancer
- Progressed on or after standard of care or ineligible/intolerant to SOC (Arms A, B, and C only)
 - No prior systemic therapy (Arms D and E only)
- Progressed after at least 1 but no more than 2 prior standard of care therapies (Arm F and G only) - ECOG 0-1

Abbreviations: ED=Escalating Dose; FD=Fixed Dose

https://clinicaltrials.gov/ct2/show/NCT03786081. Accessed April 16, 2020.

Part 2: Dose Expansion

Arm D: TV (RP2D) Q3W + Carboplatin

Arm E: TV (RP2D) Q3W + Pembrolizumab

Arm F: TV (RP2D) Q3W + Pembrolizumab

Arm G: TV QW for 3 weeks and 1 week off (28-day treatment cycle)

Objectives

PRIMARY ENDPOINT

Part 1: Safety and tolerability Part 2: ORR (RECIST)

SECONDARY ENDPOINT

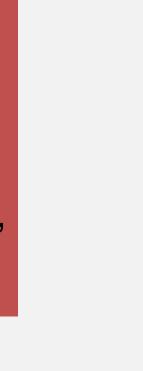
Part 1: Anti-tumor activity Part 2: Safety, tolerability, DOR, TTR, PFS, OS, PK

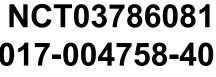
EUCTR: 2017-004758-40

ENGOT PI =Vergote GOG PI = Monk





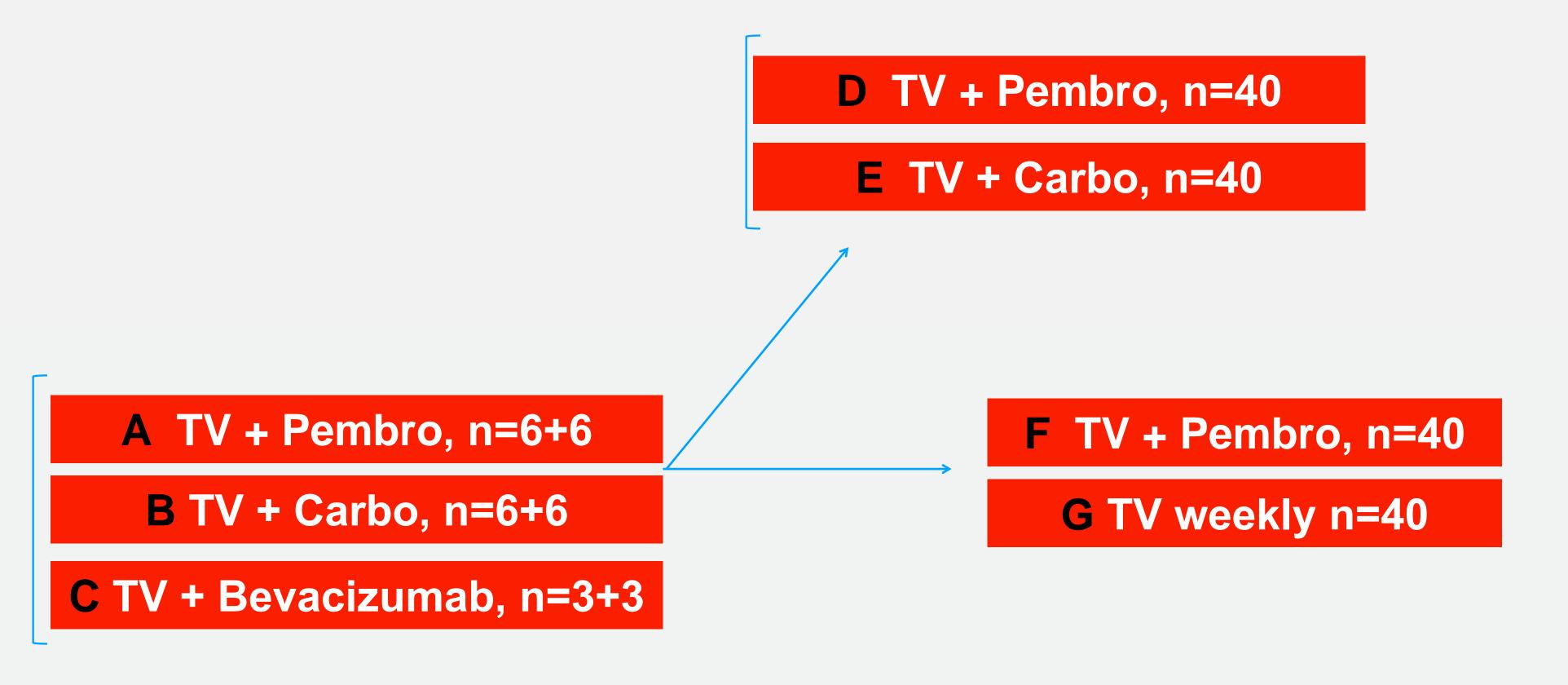




GOG 3024-innovaTV 205/ENGOT-cx8 : Phase 1b/2 Study to Assess the Safety, Tolerability and Preliminary Antitumor Activity of Tisotumab Vedotin When Administered with Chemotherapy, Bevacizumab, and CPI in Cervical Cancer (innovaTV 205)

1L Cervical

2L+ Cervical



Modified form Leslie Randal

NCT03786081 **Brad Monk US PI**

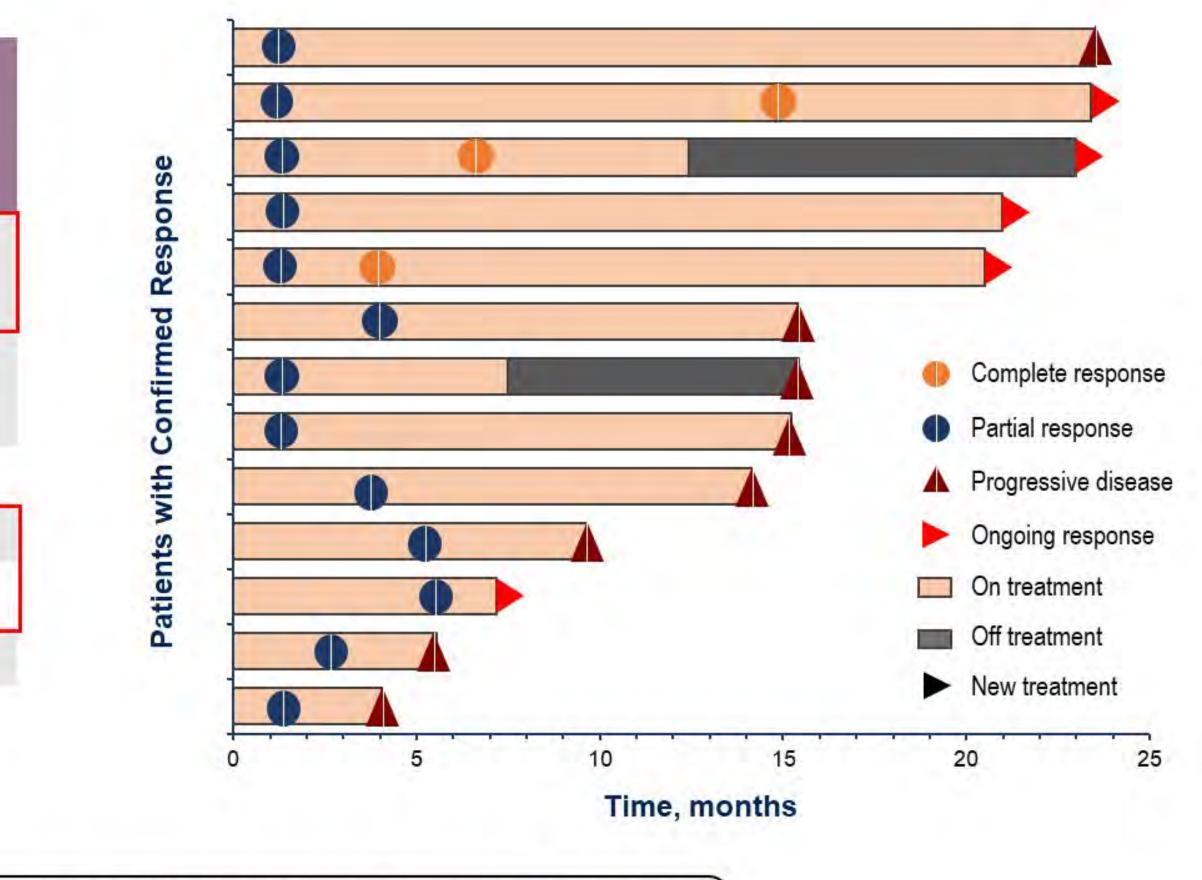


Anti-tumor activity – 2L/3L TV + Pembro

Efficacy parameter	2L/3L TV + Pembro (N = 34*)
Confirmed ORR, % [95% CI] Complete response	Median f/u: 15.0 months 38.2 [22.2 – 56.4] 3 (8.8)
Partial response	10 (29.4)
Stable disease Progressive disease Not evaluable	12 (35.3) 7 (20.6) 2 (5.9)
DCR ^a , % [95% CI]	73.5 [55.6 – 87.1]
Median DOR ^b , months [95% CI]	14.0 [2.8 – NR]
Median time to response, months (range)	1.4 (1.3 – 5.8)
Median PFS ^c , months [95% CI]	5.6 [2.7 – 14.2]
Median OS ^d , months [95% CI] +, censored; NR, not reached *1 patient was excluded from the full analysis set as they ha aDefined as SD (at least 5 weeks after the first dose of stud b5 patients are censored; C10 patients are censored; d14 pa	ly treatment) or confirmed CR or PR.

With 15 months median follow-up, compelling, durable preliminary efficacy was observed in 2L/3L with ~40% of responders ongoing in response

ASCO 2022 Lorusso et al







Anti-tumor activity – 1L TV + Pembro

Efficacy parameter	1L TV + Pembro (N = 32*)		
	Median f/u: 18.8 months		
Confirmed ORR, % [95% CI] Complete response Partial response Stable disease Progressive disease Not evaluable	40.6 [23.7 – 59.4] 5 (15.6) 8 (25.0) 14 (43.8) 1 (3.1) 4 (12.5)		
DCR ^a , % [95% CI]	84.4 [67.2 – 94.7]		
Median DOR ^b , months (range)	NR (2.8 – 21.9+)		
Median time to response, months (range)	1.4 (1.2 – 2.8)		
Median PFS ^c , months [95% CI]	5.3 [4.0 - 12.2]		
Median OS ^d , months (range)	NR (0.5 – 24.9+)		

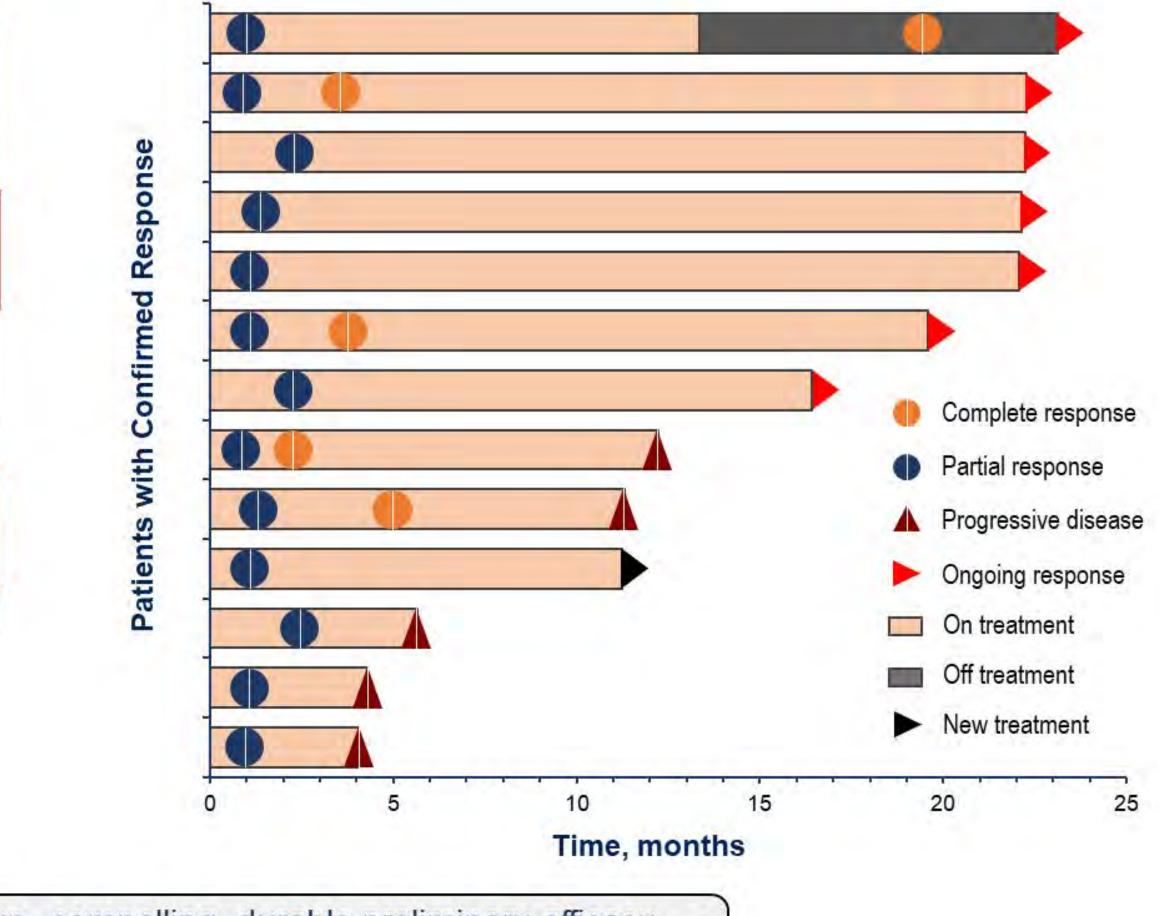
+, censored; NR, not reached.

*1 patient was excluded from the full-analysis set due to receiving incorrect study drug. ^aDefined as SD (at least 5 weeks after the first dose of study treatment) or confirmed CR or PR. b8 patients are censored; c12 patients are censored; d19 patients are censored.

> With 18.8 months median follow-up, compelling, durable preliminary efficacy was observed in 1L with >50% of responders with ongoing response

DCR, disease control rate; f/u, follow-up; TV, tisotumab vedotin.

ASCO 2022 Lorusso et al







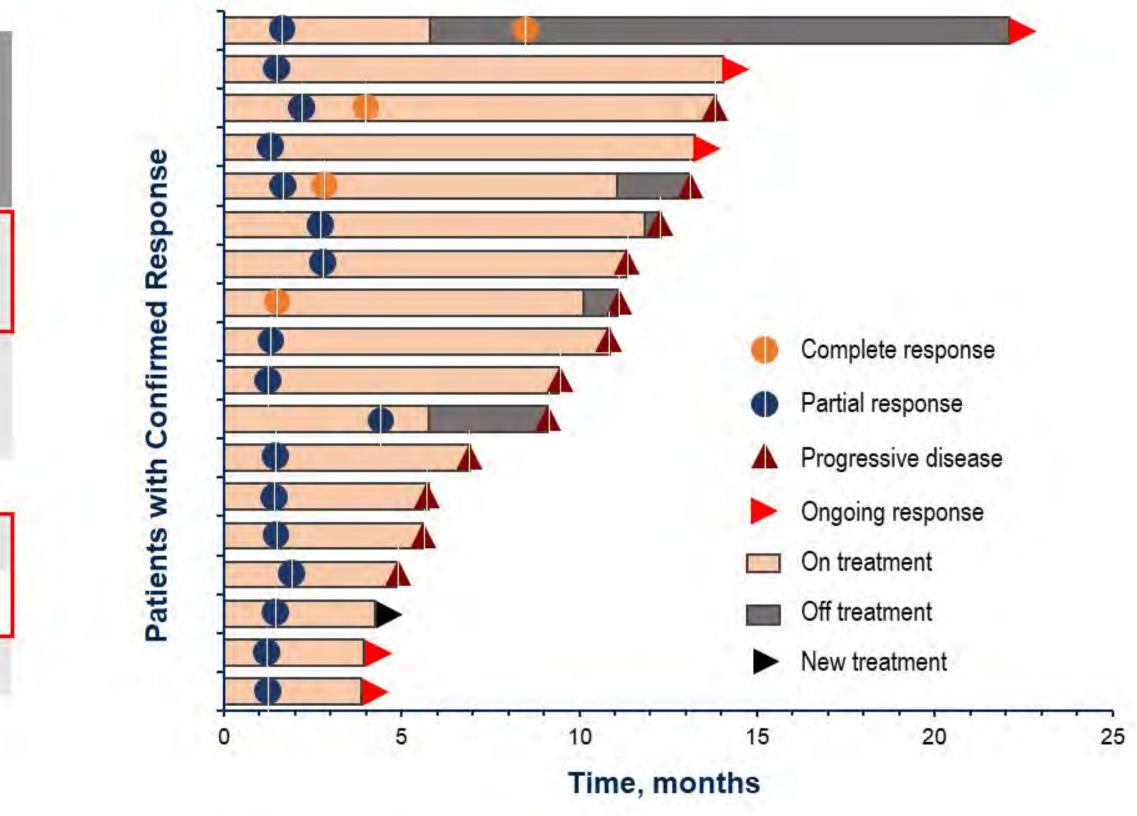
Anti-tumor activity – 1L TV + Carbo

Efficacy parameter	1L TV + Carbo (N = 33) Median f/u: 14.6 months	
Confirmed ORR, % [95% CI] Complete response Partial response	54.5 [36.4 – 71.9] 4 (12.1) 14 (42.4)	
Stable disease Progressive disease Not evaluable	12 (36.4) 2 (6.1) 1 (3.0)	
DCR ^a , % [95% CI]	90.9 [75.7 – 98.1]	
Median DOR ^b , months [95% CI]	8.6 [4.2; 11.5]	
Median time to response, months (range)	1.4 (1.1 – 4.4)	
Median PFS ^c , months [95% CI]	6.9 [4.0 – 11.1]	
Median OS ^d , months (range) +, censored; NR, not reached. ^a Defined as SD (at least 5 weeks after the first dose of stur- ^b 4 patients are censored; ^c 9 patients are censored; ^d 22 patients		

Compelling antitumor activity was observed in 1L patients with >50% experiencing a response and >90% with disease control

DCR, disease control rate; f/u, follow-up; TV, tisotumab vedotin.

ASCO 2022 Lorusso et al







10

ENGOT-cx8/GOG 3024-innovaTV 205 : Phase 1b/2 Study to Assess the Safety, Tolerability and Preliminary Antitumor Activity of Tisotumab Vedotin When Administered with Chemotherapy, **Bevacizumab, and CPI in Cervical Cancer (innovaTV 205)**

1L Cervical

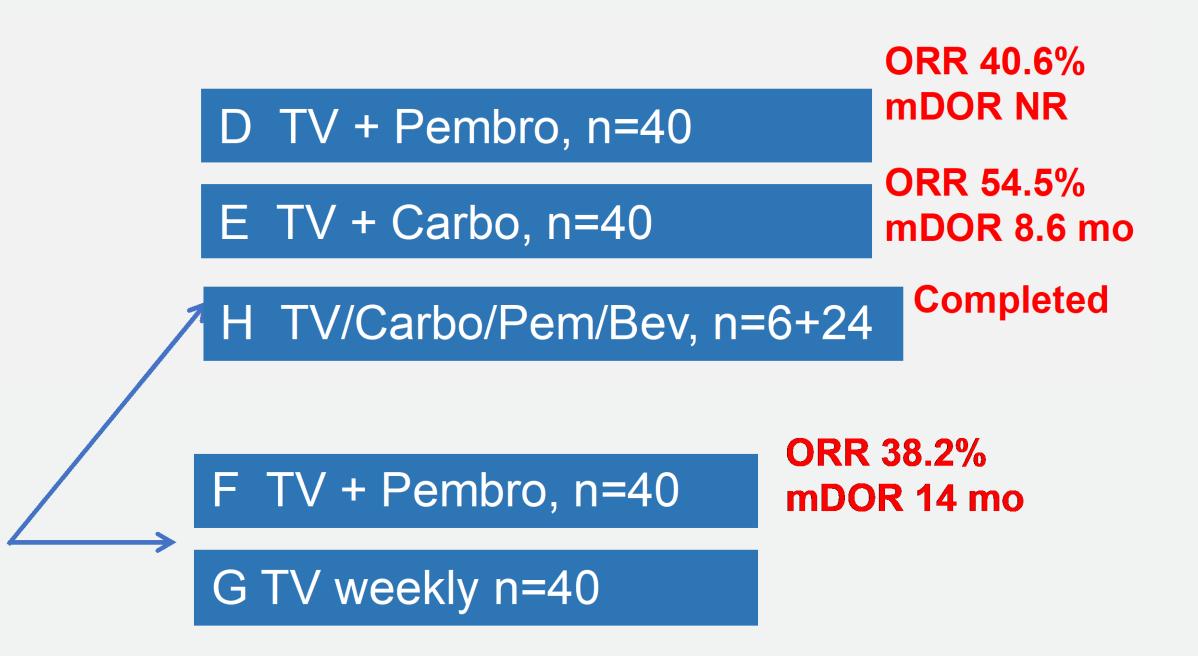
2L+ Cervical

TV + Pembro, n=6+6

B TV + Carbo, n=6+6

C TV + Bevacizumab, n=3+3

Modified form Leslie Randal



NCT03786081 **Brad Monk US PI**

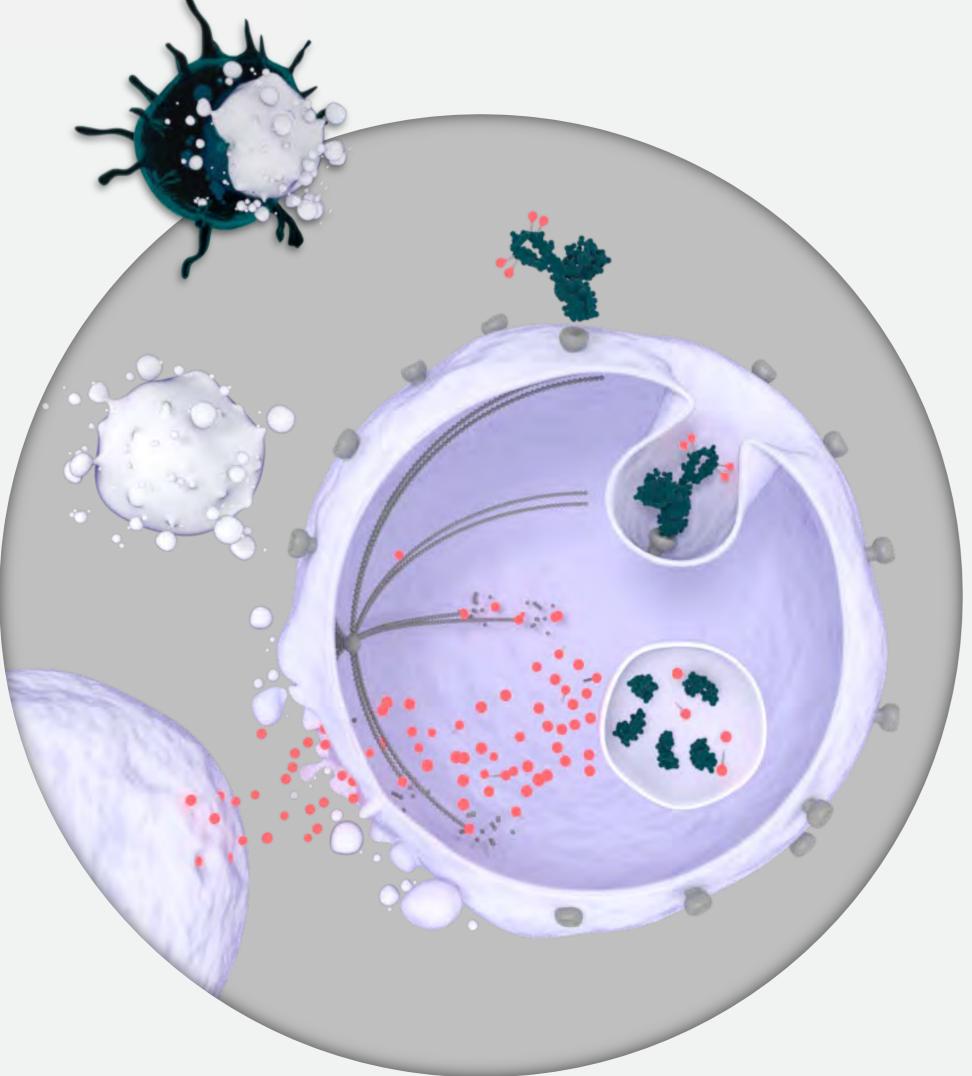


Ovarian Cancer





Mirvetuximab soravtansine (Mirv)



3. Moore KN, et al. *Cancer.* 2017;123(16):3080-3087. 4. Crane LM, et al. *Cell Oncol (Dordr).* 2012;35(1):9-18. 5. Kalli KR, et al. *Gynecol Oncol.* 2008;108(3):619-626. 6. Chen YL, et al. *Mol Oncol.* 2012;6(3):360-369.

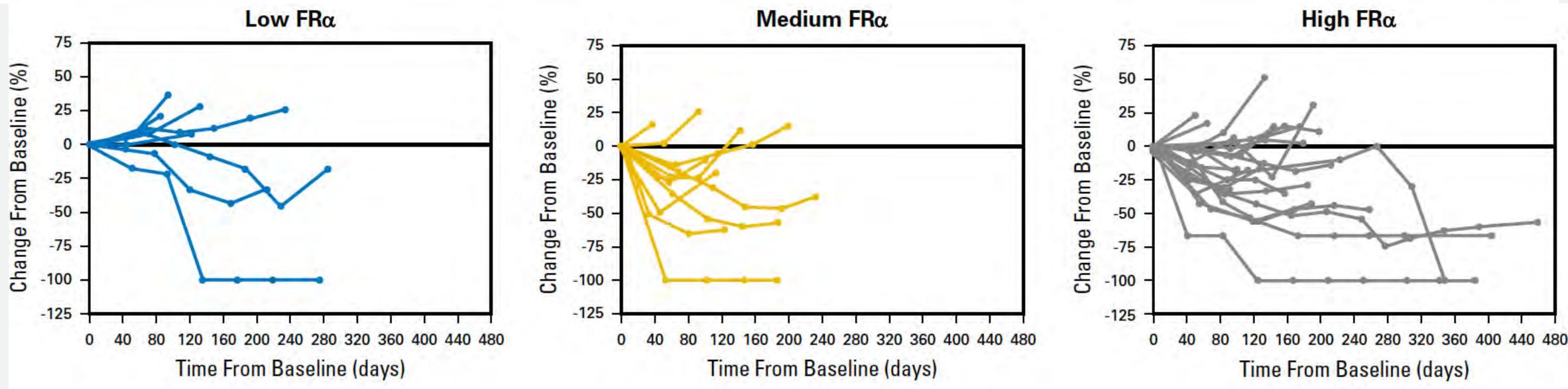
- MIRV is an antibody-drug conjugate (ADC) comprising an FR α -binding antibody, cleavable linker, and a maytansinoid DM4 payload³
- Ovarian cancer cells overexpress FRα (*FOLR1* gene); FR α expression is associated with poor clinical outcomes⁴⁻⁶



Mirvetuximab soravtansine – FIH/Expansion

Table 3. Summary of Efficacy Measures Grouped by FRα Expression								
$FR\alpha$ Expression	No. of Patients	CR	PR	SD	PD	ND	ORR (%)	95% CI
Low	9	0	2	6	0	1	22.2	2.8 to 60.0
Medium	14	0	4	8	2	0	28.6	8.4 to 58.1
High	23	1	5	14	2	1	26.1	10.2 to 48.4
Total	46	1	11	28	4	2	26.1	14.3 to 41.1

Abbreviations: CR, complete response; FRα, folate receptor alpha; ND, not determined; ORR, overall response rate; PD, progressive disease; PR, partial response; SD, stable disease.



Moore KN, Martin LP, O'Malley DM, Matulonis UA, Konner JA, Perez RP, Bauer TM, Ruiz-Soto R, Birrer MJ. Safety and Activity of Mirvetuximab Soravtansine (IMGN853), a Folate Receptor Alpha-Targeting Antibody-Drug Conjugate, in Platinum-Resistant Ovarian, Fallopian Tube, or Primary Peritoneal Cancer: A Phase I Expansion Study. J Clin Oncol. 2017 Apr 1;35(10):1112-1118.

Moore K, Borghaei H, O'Malley D, Jeong W, Seward S, Bauer T, Perez R, Matulonis U, Running K, Zhang X, Ponte J, Ruiz-Soto R, Birrer M. Phase I dose-escalation study of mirvetuximab soravtansine (IMGN853), a folate receptor alpha-targeting antibody-drug conjugate, in patients with solid tumors. *Cancer*, 2017 Aug;123(16):3080-3087. PMID: 28440955





STUDY DESIGN

FORWARD

- Platinum-resistant ovarian cancer
- FRa-positive tumor expression
 - Medium (50-74% cells positive)
 - High (≥75% cells positive)
- ECOG performance status 0 or 1
- 1-3 prior therapies

Statistical Assumptions

- Hochberg procedure
- $\alpha = 0.05$ (two-sided), power = 90% HR=0.58; control arm mPFS 3.5 mos



6 mg/kg (adjusted ideal body weight) once every 3 weeks

Stratification Factors: FRa expression (medium or high) Prior therapies (1 and 2, or 3) Choice of chemotherapy

Paclitaxel: 80 mg/m² weekly PLD: 40 mg/m² once every 4 weeks Topotecan: 4 mg/m² on Days 1, 8, and 15 every 4 weeks; or 1.25 mg/m² on Days 1-5 every 3 weeks

Moore, K, ESMO 2019

Mirvetuximab Soravtansine (n=248)

2:1 Randomization

Investigator's Choice Chemotherapy Paclitaxel, PLD[†], or Topotecan (n=118)

Primary Endpoint

Progression-free survival (PFS; by BIRC*) for ITT and high FRα populations

*BIRC = Blinded Independent Review Committee; analyzed by Hochberg procedure

Secondary Endpoints

Overall response rate (ORR) Overall survival (OS) Patient reported outcomes (PRO)

> [†]Pegylated liposomal doxorubicin ClinicalTrials.gov Identifier: NCT02631876





Efficacy	Results	at a	Glance
----------	----------------	------	--------

Intent to t	reat (ITT) populat	ion	FRa high	subgroup	\frown
Endpoint	Treatment effect size	p-value	Endpoint	Treatment effect size	p-value**
PFS by BIRC*	HR: 0.981 mPFS: 4.1 vs 4.4	0.897	PFS by BIRC	HR: 0.693 mPFS: 4.8 vs 3.3	0.049
ORR by BIRC	22% vs 12%	0.015	ORR by BIRC	24% vs 10%	0.014
DOR (mos)	HR = 0.982 5.7 vs 7.3	0.974	DOR (mos)	HR= 0.598 5.7 vs 4.2	0.374
OS	HR: 0.815 mOS: 16.4 vs 14.0	0.248	OS	HR: 0.618 mOS: NR* vs 11.8	0.033
PFS by INV	HR: 0.809 mPFS: 4.3 vs 4.2	0.116	PFS by INV	HR: 0.667 mPFS: 5.0 vs 4.2	0.018
ORR by INV	29% vs 16%	0.008	ORR by INV	29% vs 13%	0.007
CA125 ORR	51% vs 27%	0.0002	**Nominal P value	e	

*BIRC = Blinded Independent Review Committee NS based on Hochberg Procedure

Efficacy Results ORR and DOR

Intent to treat (ITT) population

Endpoint	Treatment effect size	p-value**
ORR by BIRC*	22% vs 12%	0.015
DOR (mos)	HR = 0.982 5.7 vs 7.3	0.974
ORR by INV	29% vs 16%	0.008

FRa high subgroup

Endpoint	Treatment effect size	p-value**
ORR by BIRC*	24% vs 10%	0.014
DOR (mos)	HR= 0.598 5.7 vs 4.2	0.374
ORR by INV	29% vs 13%	0.007

Moore, K, ESMO 2019

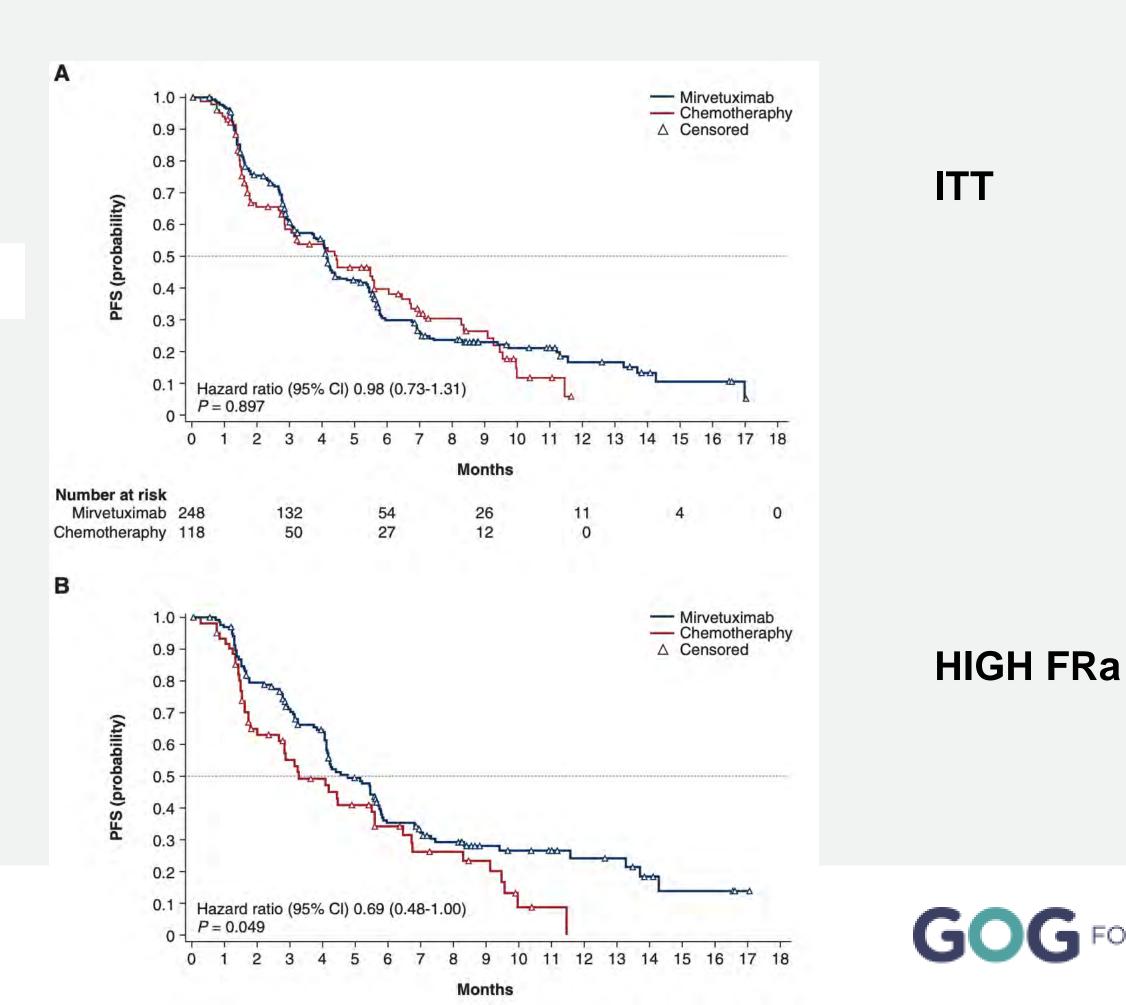
*BIRC = Blinded Independent Review Committee

**NS per Hochberg procedure

Moore KM et al; Annals of Oncology; 32 (6) 2021

FORWARD-1

- Negative for primary objectives
- Not statistically significant for HIGH FRa
- FRa predictive marker for Mirv
- FRa prognostic markers



GOG FOUNDATION[®]

MIRASOL STUDY DESIGN PHASE 3 REGISTRATION TRIAL FOR MIRVETUXIMAB USING PS2+ SCORING IN FR∝ HIGH PATIENTS

GOG 3045



ENROLLMENT AND KEY ELIGIBILITY 430 patients/330 events for PFS by INV

FRα-high by PS2+ scoring

Platinum resistant disease (<6 months PFI)

- Prior Bev and PARP allowed
- BRCAmut patients allowed

Completed Enrollment PI: K Moore

Mirvetuximab Soravtansine

STRATIFICATION FACTORS IC Chemotherapy Choice (Paclitaxel, PLD, Topotecan) Prior Therapies (1 vs 2 vs 3)

Investigator's Choice Chemotherapy Paclitaxel, PLD^{\dagger} , or Topotecan

PRIMARY ENDPOINT PFS by INV; BICR* for sensitivity analysis

> **SECONDARY ENDPOINTS** ORR by INV, OS, and PRO



Mirvetuximab Soravtansine in Platinum-Resistant OC With High FRa Expression (SORAYA): Study Design



*High expression defined as ≥75% of cells staining positive with \geq 2+ staining intensity.

- **Primary endpoints**: ORR by investigator
- Secondary endpoints: DoR

- Primary cancer diagnosis was epithelial ovarian cancer in 80%; 97% had stage III-IV disease at diagnosis
- 80% had unknown BRCA mutation status
- 100% had prior bevacizumab and 48% had previous PARP inhibitor



Phase III SORAYA Study of Mirvetuximab Soravtansine: Efficacy Summary

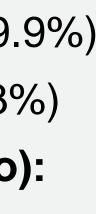
Outcome	Investigator-Assessed (N = 105)	BICR-Assessed (N = 95)
ORR <i>,</i> n (%)	34 (32.4)	30 (31.6)
[95% Cl]	[23.6-42.2]	[22.4-41.9]
Best overall response, n %		
CR	5 (4.8)	5 (5.3)
PR	29 (27.6)	25(26.3)
SD	48 (45.7)	53 (55.8)
PD	20 (19.0)	8 (8.4)
Not evaluable	3 (2.9)	4 (4.2)
Median DoR, mo	6.9	11.7
(95% CI)	(5.6-8.1)	(5.0-NR)
Median PFS, mo	4.3	5.5
(95% CI)	(3.7-5.1)	(3.8-6.9)

- Clinically meaningful activity seen in patients with FRα-high platinum-resistant OC
- Consistent antitumor activity regardless of prior number of therapies or prior PARPi
 - **ORR if 1-2 lines of therapy:** 35.3% (range: 22.4%-49.9%)
 - **ORR if 3 lines of therapy:** 30.2% (range: 18.3%-44.3%)
 - ORR if prior exposure to PARP inhibitor (yes vs no): 38.0% (range: 24.7%-52.8%) vs 27.5% (range: 15.9%-41.7%)
- Overall median duration of response and by prior PARP inhibitor was comparable between those with 1-2 prior lines vs 3 prior lines of therapy

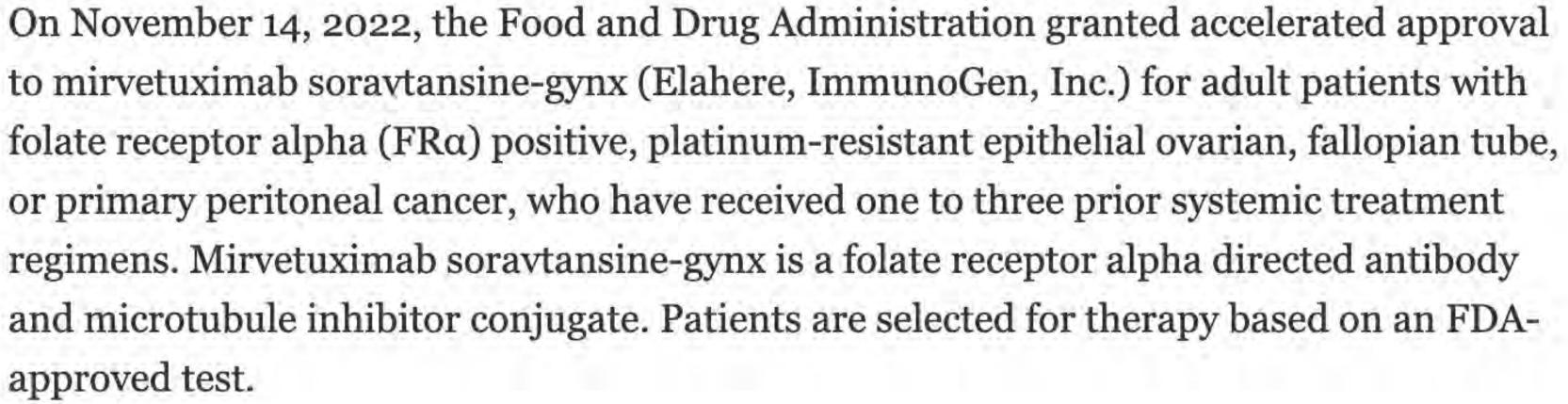








FDA grants accelerated approval to mirvetuximab soravtansine-gynx for FRa positive, platinum-resistant epithelial ovarian, fallopian tube, or peritoneal cancer



f Share

🔰 Tweet

https://www.fda.gov/drugs/resources-information-approved-drugs/fda-grants-accelerated-approvalmirvetuximab-soravtansine-gynx-fra-positive-platinum-resistant. Accessed 23 Jan 2023

in Linkedin	🔛 Email	🖨 Print	



Characteristic		MIRV+BEV (N=126)
Age, median (range)	Age in years	62 (39–83)
Primary cancer diagnosis, n (%)ª	Epithelial ovarian Primary peritoneal Fallopian tube	93 (74) 27 (21) 5 (4)
FRα expression, n (%) ^b	High Medium Low	62 (49) 51 (40) 13 (10)
No. prior lines of systemic therapy, n (%)	1 2 3 ≥4 Median (range)	27 (21) 41 (33) 29 (23) 29 (23) 2 (1-8)
Prior exposure, n (%)	Bevacizumab PARPi	66 (52) 34 (27)
Platinum-free interval, n (%) ^{c,d}	≤6 months>6–12 months>12 months	94 (75) 23 (18) 8 (6)
ECOG performance status	0 1	82 (65) 44 (35)

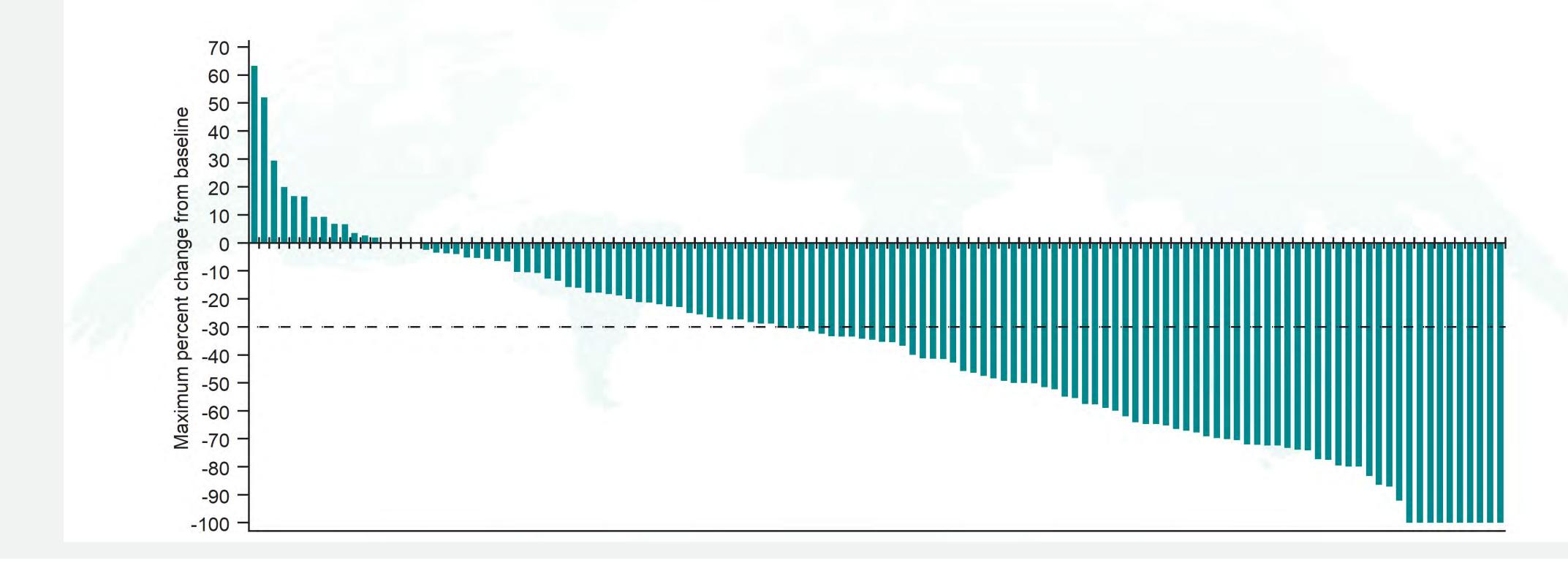
D O'Malley, et al IGCS 2022

Mirv + Bev (FORWARD-2)

- Efficacy and safety of MIRV in combination with bevacizumab (BEV) in patients with recurrent FR α -expressing ovarian cancer
- 46% had \geq 3 prior lines of therapy
- 52% had received prior Bev
- 75% had most recent PFI of \leq 6 months



Best Tumor Response per RECIST



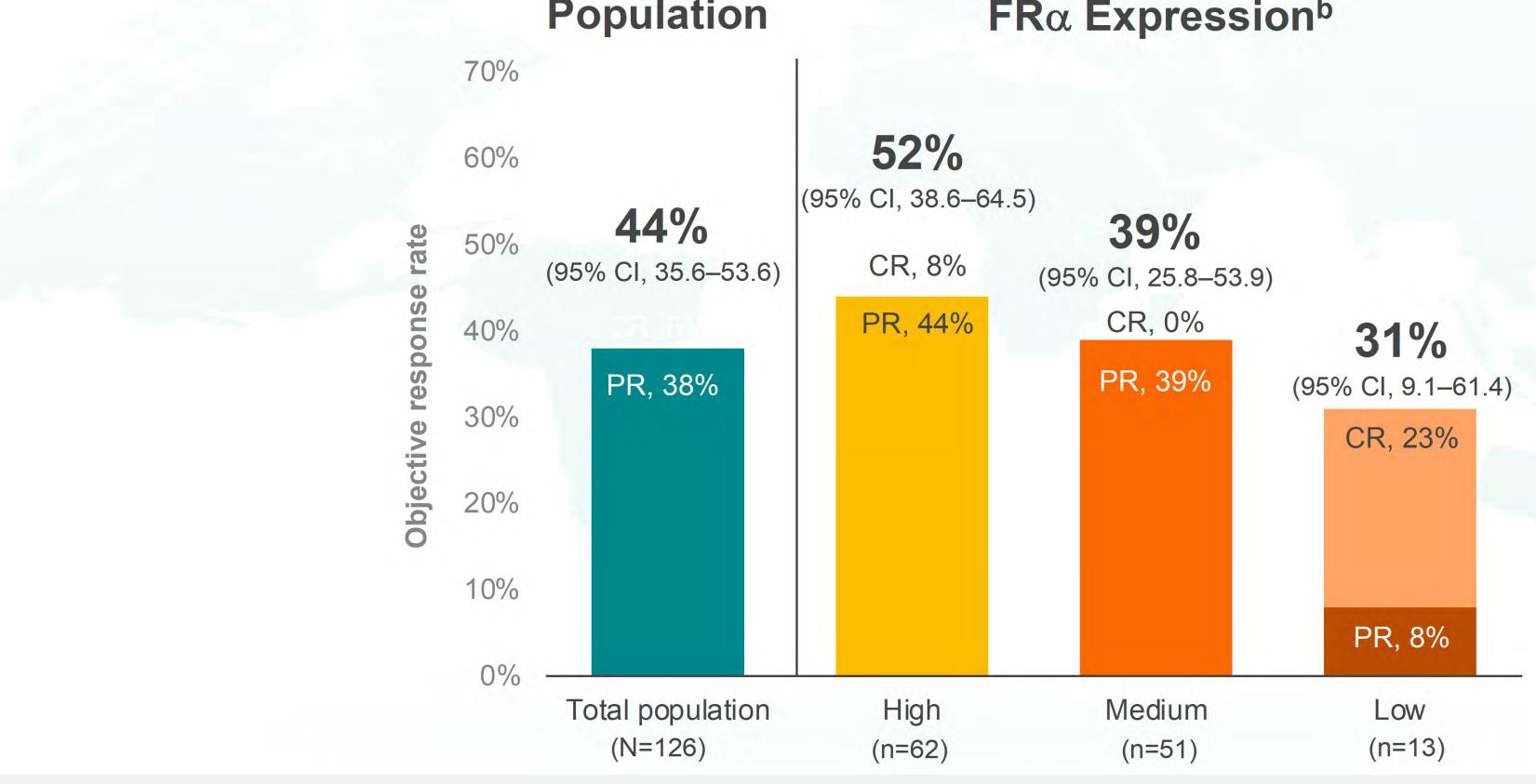
D O'Malley, et al IGCS 2022

Mirv + Bev (FORWARD-2)



ORR^a in the Overall Population and by FR α Expression Level Subgroups

Overall Population

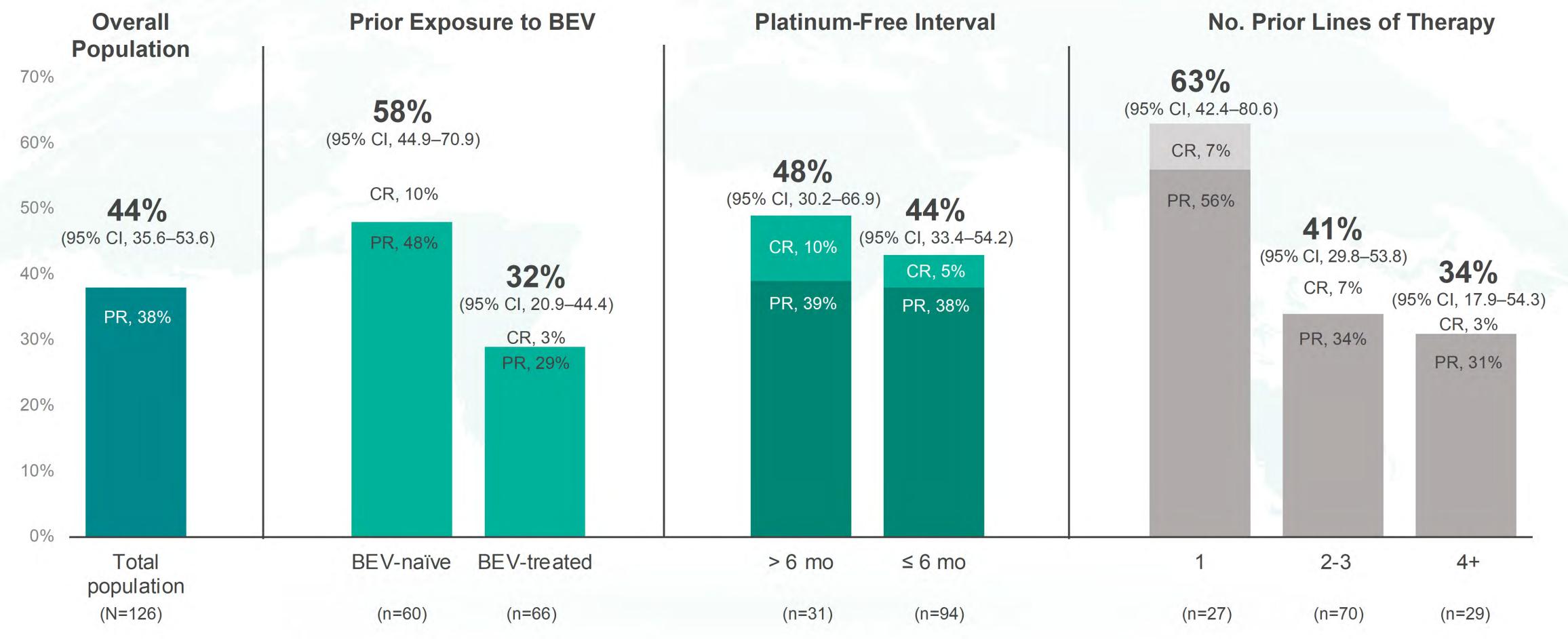


D O'Malley, et al IGCS 2022

FRa Expression^b



ORR^a in Subgroups by BEV Treatment Status, Platinum-Free Interval, and Prior Lines of Therapy



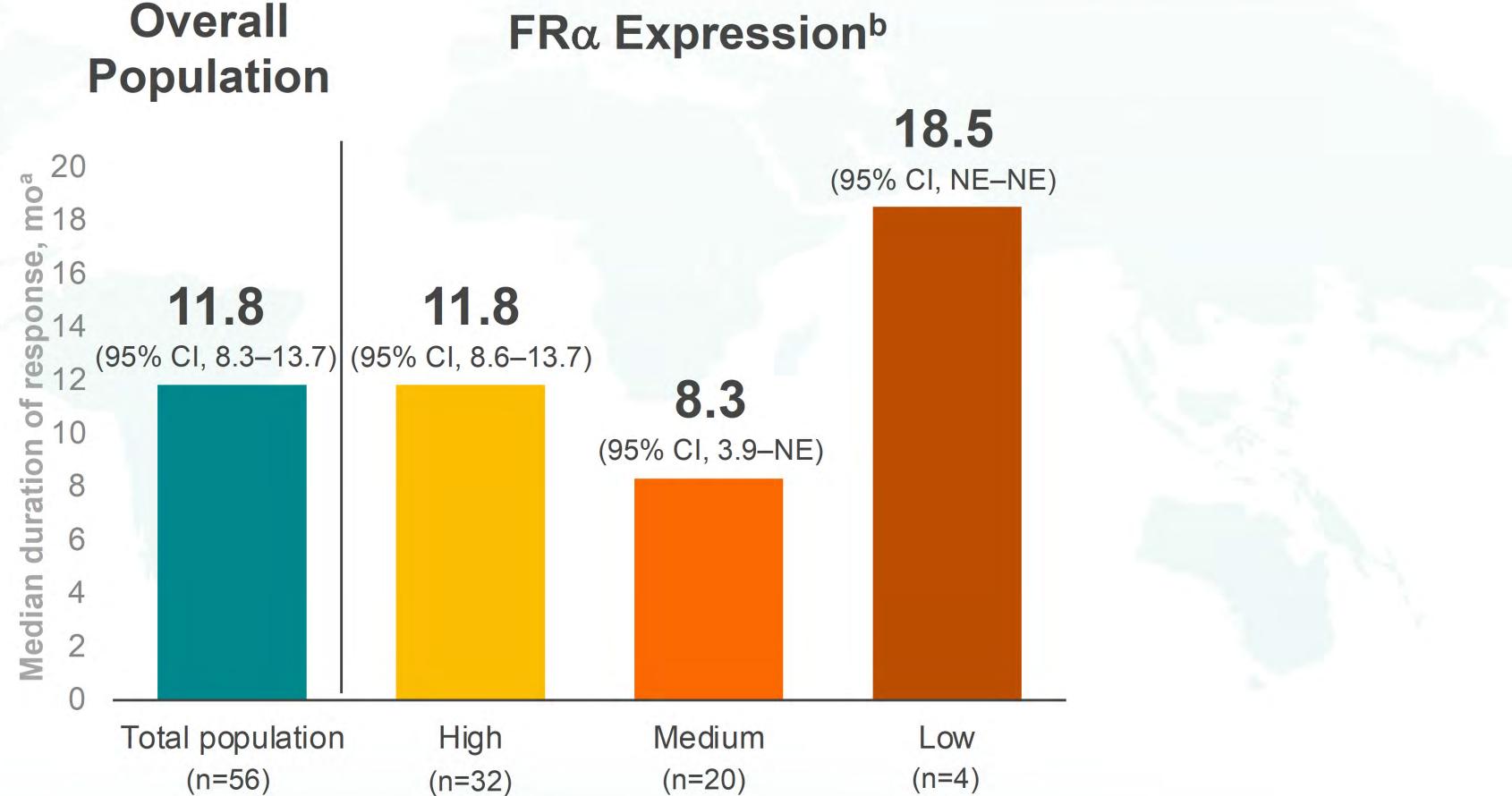
D O'Malley, et al IGCS 2022





Median DOR^a in Responders: Overall Population and by FRa Expression Level Subgroups

Overall

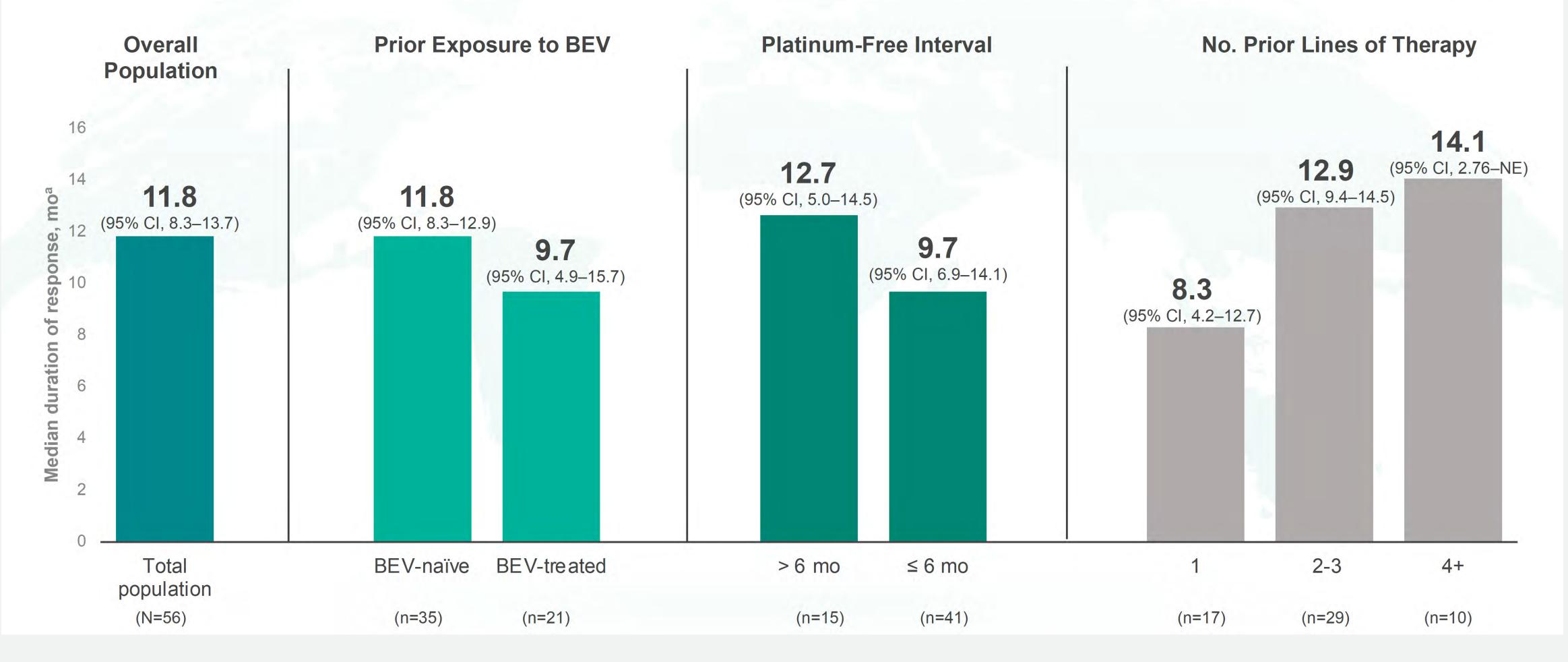


D O'Malley, et al IGCS 2022





Median DOR^a in Responders: Subgroups by BEV Treatment Status, Platinum Status, and Lines of Therapy



D O'Malley, et al IGCS 2022



NCCN Guidelines Jan 2023

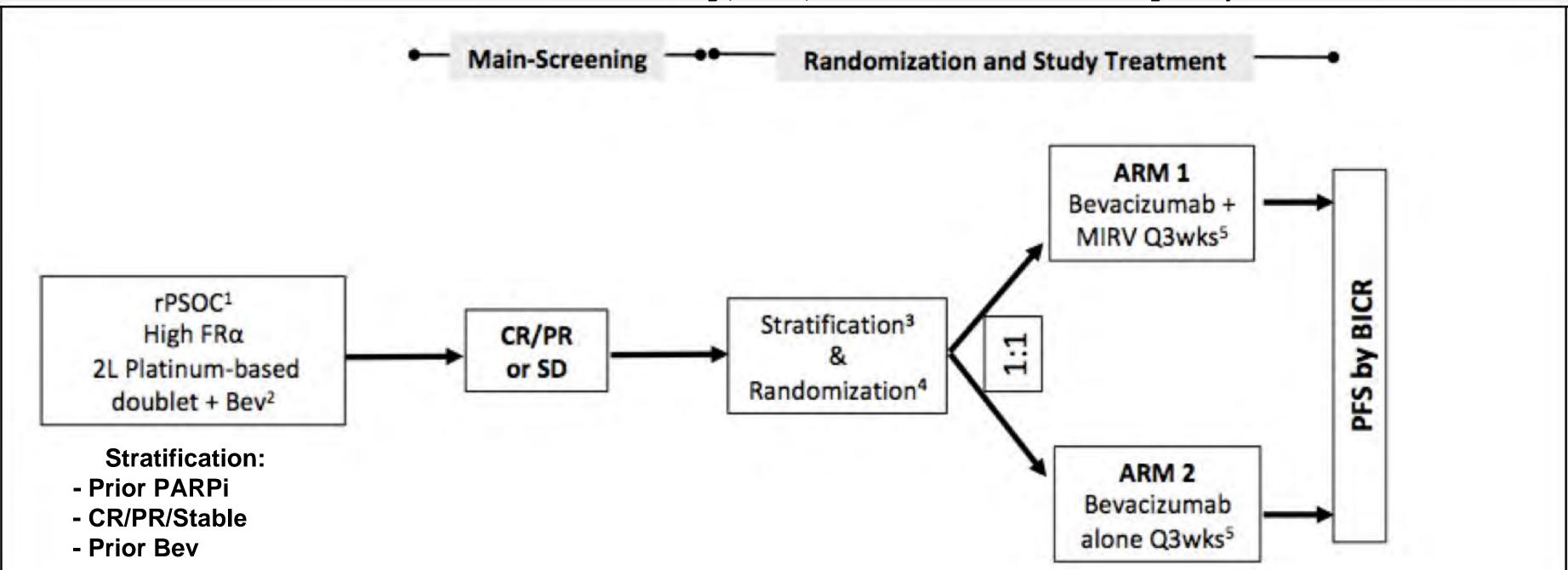
- Targeted Therapy
- Dabrafenib + trametinib (for BRAF V600E-positive tumors)^{X,28}
- Entrectinib or larotrectinib (for NTRK gene fusion positive tumors)^x
- Mirvetuximab soravtansine-gynx/bevacizumab (for FRα-expressing tumors) (category 2B)^{i,x,47,48}
- Selpercatinib (for RET gene fusion-positive tumors)x,29
- For low-grade serous carcinoma:
 Trametinib³⁰
- Binimetinib (category 2B)^{31,32}

X: Validated molecular testing should be performed in a CLIA-approved facility using the most recent available tumor tissue. Tumor molecular analysis is recommended to include, at a minimum, tests to identify potential benefit from targeted therapeutics that have tumor-specific or tumor-agnostic benefit including, but not limited to, BRCA1/2, HRD status, MSI, MMR, TMB, BRAF, FRα, RET, and NTRK if prior testing did not include these markers. More comprehensive testing may be particularly important in LCOC with limited approved therapeutic options. (See OV-B).

NCCN guidelines 2023, accessed Jan 2023

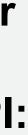


Randomized multicenter, open-label, phase 3 study of bevacizumab with or without mirvetuximab soravtansine for patients with FRα–positive recurrent platinum-sensitive epithelial ovarian cancer, fallopian tube, or primary peritoneal cancers who have not progressed after second line platinum-based chemotherapy plus bevacizumab (PI: David O'Malley, MD, Co-PI: Tashanna Myers)



- High grade epithelial ovarian, tubal or primary peritoneal cancer
- Platinum + chemo + Bevacizumab for planned 6 cycles (min of 4 and max of 8) including at least 3 of cycles of Bev
- Need to have a CR, PR, or stable disease after platinum regimen
- Treatment until progressive disease, unacceptable toxicity, withdrawal or death
- Maintenance to must begin within 12 weeks of completing platinum doublet

GOG-3078 (GLORIOSA)



PSOC – Mirv Mono Therapy

Characteristic	N = 31		
Age, years			
Median (range)	59 (44-83)	Endpoint	N = 31
Primary diagnosis, n (%)		Confirmed objective response rate, n (%)	15 (48)
Epithelial ovarian cancer	20 (65)	95% CI	(30, 67)
Fallopian tube cancer	10 (32)		(50, 07)
Other: Omentum	1 (3)	Best overall response, n (%)	
ECOG PS, n (%)		Complete response	3 (10)
0	22 (71)	Partial response	12 (39)
1	9 (29)	Stable disease	14 (45)
No. of prior systemic therapies, n (%)		Progressive disease	2 (6)
1-2	23 (74)	Not evaluable	0 (0)
≥3	8 (26)		
FRα expression, ^a n (%)		Median duration of response, (months)	12.7
≥75%	18 (58)	95% CI	(5.0, 14.5)
50-74%	12 (39)		
25-49%	1 (3)	Median progression-free survival, (months)	9.6
Prior exposure, n (%)		95% CI	(5.4, 14.1)
Taxane	31 (100)		()
Bevacizumab	10 (32)	PSOC, platinum-sensitive ovarian cancer.	
PARP inhibitor	8 (26)		

L Gilbert ... DM O'Malley, et al, IGCS 2022, Gyn Onc 2023 GOG FOUNDATION



SINGLE-ARM TRIAL FOR MIRVETUXIMAB IN FRa-HIGH PATIENTS WITH PLATINUM-SENSITIVE OVARIAN CANCER

Completed Enrollment PI: Angeles Alvarez-Secord

PRIMARY ENDPOINT ORR by Investigator

SECONDARY ENDPOINT DOR by Investigator

ENROLLMENT AND KEY ELIGIBILITY ~75 patients Platinum-sensitive ovarian cancer 2 or more prior systemic treatments At least 2 prior platinum-containing regimens Prior PARPi required if BRCA+ Appropriate for single-agent therapy





Conclusions

- Cervical Cancer
 - **Tisotumab Vedontin Monotherapy**
 - 2nd line+*^
 - Ongoing phase III
 - Tisotumab Vedontin Combo therapy
 - 2nd line+
 - First line
- Ovarian Cancer
 - Mirvetuximab soravtansine Monotherapy
 - PROC*^
 - PSOC
 - Completed phase II
 - Mirvetuximab soravtansine Combo therapy
 - PROC^
 - PSOC
 - Ongoing phase III

*Accelerated Approval **^NCCN** guidelines



