



Cervical Cancer Highlights and Emerging Treatment Strategies

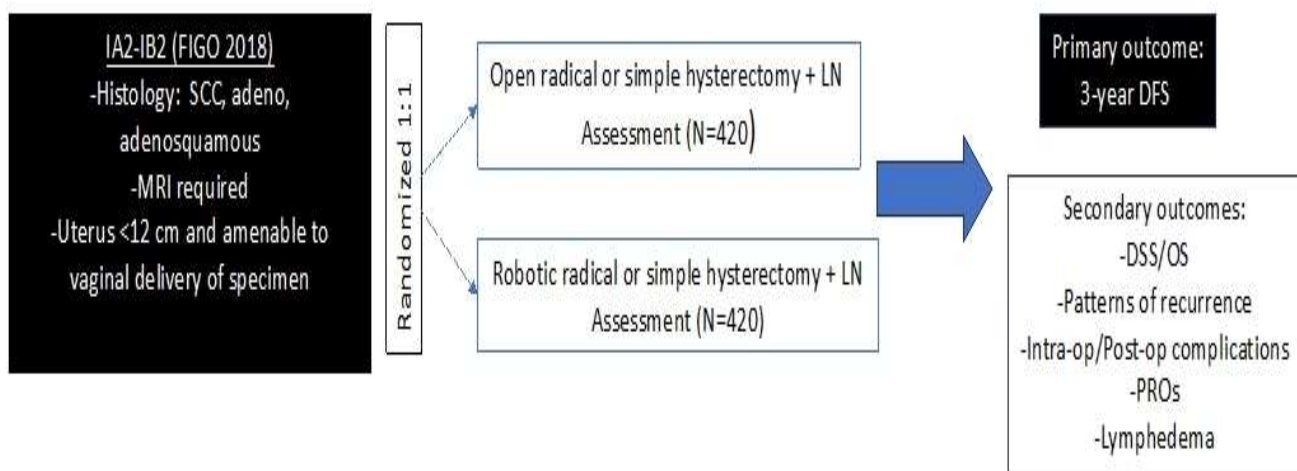
Leslie Randall, MD

Inova Schar Cancer Institute, Inova Health, Fairfax, VA

GOG-3043/ROCC

A Randomized Controlled Trial of Robotic versus Open Radical Hysterectomy for Early-Stage Cervical Cancer

PI: Kristin Bixel, MD | Co-PI: Mario Leitao, MD | DEI Chair: Colleen McCormick,



Surgical Requirements

- No transcervical/intrauterine manipulators permitted
- Tumor containment prior to colpotomy required

Key Inclusion

- Stage IA2-IB2 (FIGO 2018)
- Squamous, adenocarcinoma, adenosquamous histology
- Pelvic MRI required to verify tumor size
- Simple hysterectomy will be allowed in patients who meet the following criteria:
 - a) pelvic MRI must demonstrate a maximal tumor size of 2cm or less AND
 - b) less than 50% stromal invasion on MRI if tumor present or less than 10 mm of stromal invasion if an excisional (cold knife or LEEP) has been performed.



KEYNOTE-A18/GOG-3047: OS results-ESMO 2024

Schema

Key Eligibility Criteria

- FIGO 2014 stage IB2-IIB (node-positive disease) or FIGO 2014 stage III-IVA (either node-positive or node-negative disease)
- RECIST 1.1 measurable or non-measurable disease
- Treatment naïve

Stratification Factors

- Planned EBRT type (IMRT or VMAT vs non-IMRT or non-VMAT)
- Stage at screening (stage IB2-IIB vs III-IVA)
- Planned total radiotherapy dose (<70 Gy vs ≥70 Gy [EQ2D])

R
1:1

Cisplatin 40 mg/m² QW for 5 cycles^a + EBRT followed by brachytherapy + Pembrolizumab 200 mg Q3W for 5 cycles

Pembrolizumab 400 mg Q6W for 15 cycles

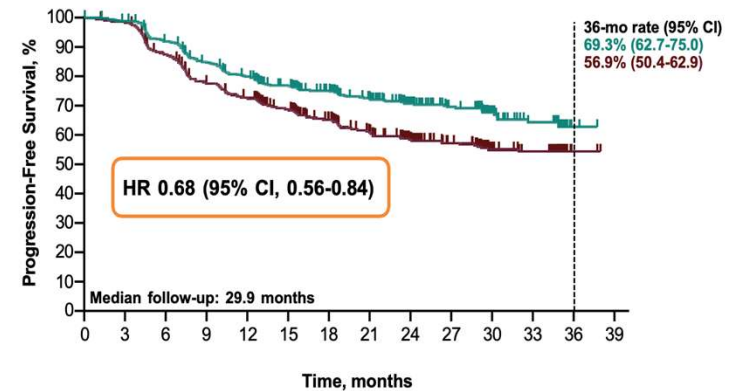
Cisplatin 40 mg/m² QW for 5 cycles^a + EBRT followed by brachytherapy + Placebo Q3W for 5 cycles

Placebo Q6W for 15 cycles

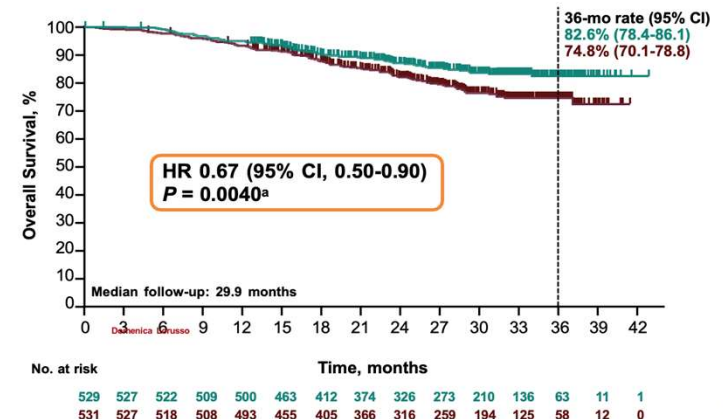
End Points

- Primary:** PFS (per RECIST v1.1) by investigator or histopathologic confirmation and OS
- Key secondary:** 24-month PFS, ORR, PROs, and safety

PFS



OS at IA2



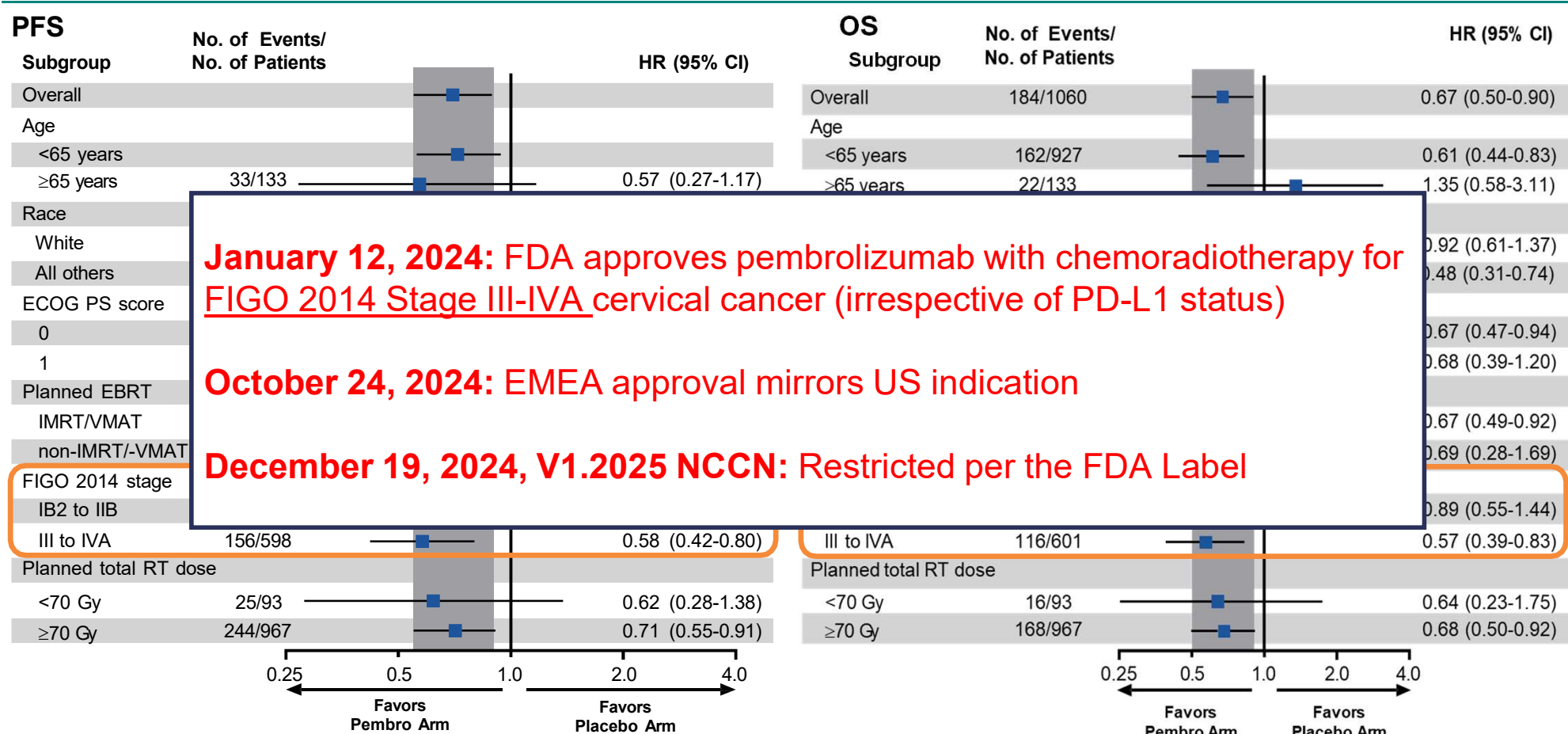
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NCT04221945



Lorusso K et al ESMO 2024, Lancet. 2024 Apr 6;403(10434):1341-1350

PFS/OS in Protocol-Specified Subgroups

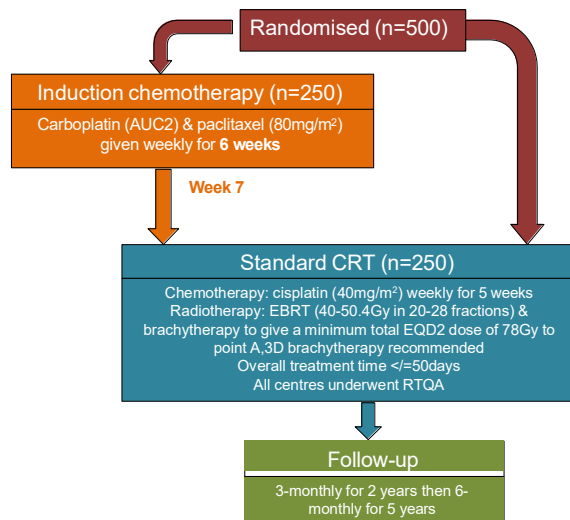


INTERLACE: Induction CT followed by CRT vs CRT alone as 1L treatment for Locally Advanced CC

Schema

Key eligibility criteria

- Newly diagnosed histologically confirmed FIGO (2008) stage IB1 node+, IB2, II, IIB, IVa squamous, adeno, adenosquamous cervical cancer
- No nodes above aortic bifurcation
- Adequate renal/liver and bone marrow function
- Fit for chemotherapy & radical RT
- No prior pelvic RT

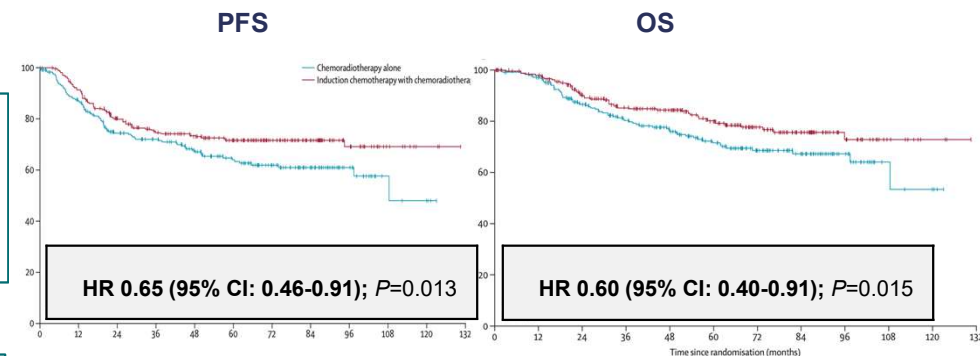


Stratified by

- Site
- Stage
- Nodal status
- 3D v IMRT
- EBRT
- 2D v 3D BT
- Tumour size
- SCC v other

Primary endpoints

- PFS
- OS



- 1st of several induction/NACT trials to be positive
- OUTBACK and GOG 724 negative
- Limited to pt with negative aortic nodes
- Lower rate of concurrent cis completion
- Lower rate of distant recurrence
- Short time to RT (within 7 wks) could be reason for success
- ?Effect of radiation technique evolution

NCT01566240

McCormack *The Lancet*, v404, Issue 10462, 1525-35. Duska and Randall *Lancet* v404 Iss 10462, p.1494-6

GOG-3092: eVOLVE-Cervical PD1/CTLA4 bispecific

A Phase III, Randomized, Double-blind, Placebo-controlled, Multi-center, International Study of MEDI5752 as Sequential Therapy in Women with High Risk Locally Advanced Cervical Cancer Following Platinum-based, Concurrent Chemoradiation Therapy

Screening period

FIGO 2018 IIIC-IVA cervical cancer
(LN involvement)

Randomization

Treatment period

Endpoints

Part I: Diagnosis/CRT

Patient consenting process step 1:

- Tumor sample submission and analysis
 - PD-L1 expression by VENTANA PD-L1 (SP263) Assay
- **Initial staging procedures** completed prior to any component of definitive treatment
Increase specificity of nodal criteria

Max 56 days after the end of CCRT

41/1000 randomized over 10 months

N=1000

R
1:1

Arm A

Volrustomig 750mg IV Q3W
for 24 months

Arm B

Placebo IV Q3W for 24 months

Part II: Post CRT

Patient consenting process step 2:

- After completion of SOC CCRT (≥4 cycles), CCRT dose requirement
- No progression after SOC CCRT, persistent disease must not be amenable to other available therapies with curative intent
- Grade > 1 toxicities resolved prior to randomization
- ECOG 0 or 1

Stratification factors

- PD-L1 expression (PD-L1 high expression vs. low/negative)
- **FIGO stage (IIIC1 vs. IIIC2 vs. IVA)**
- Region (Asia vs. non-Asia)

Primary Endpoint: PFS in PD-L1 high population (Inv)

Secondary Endpoint:

Key: PFS in ITT (Inv), OS in PD-L1 high population/ITT

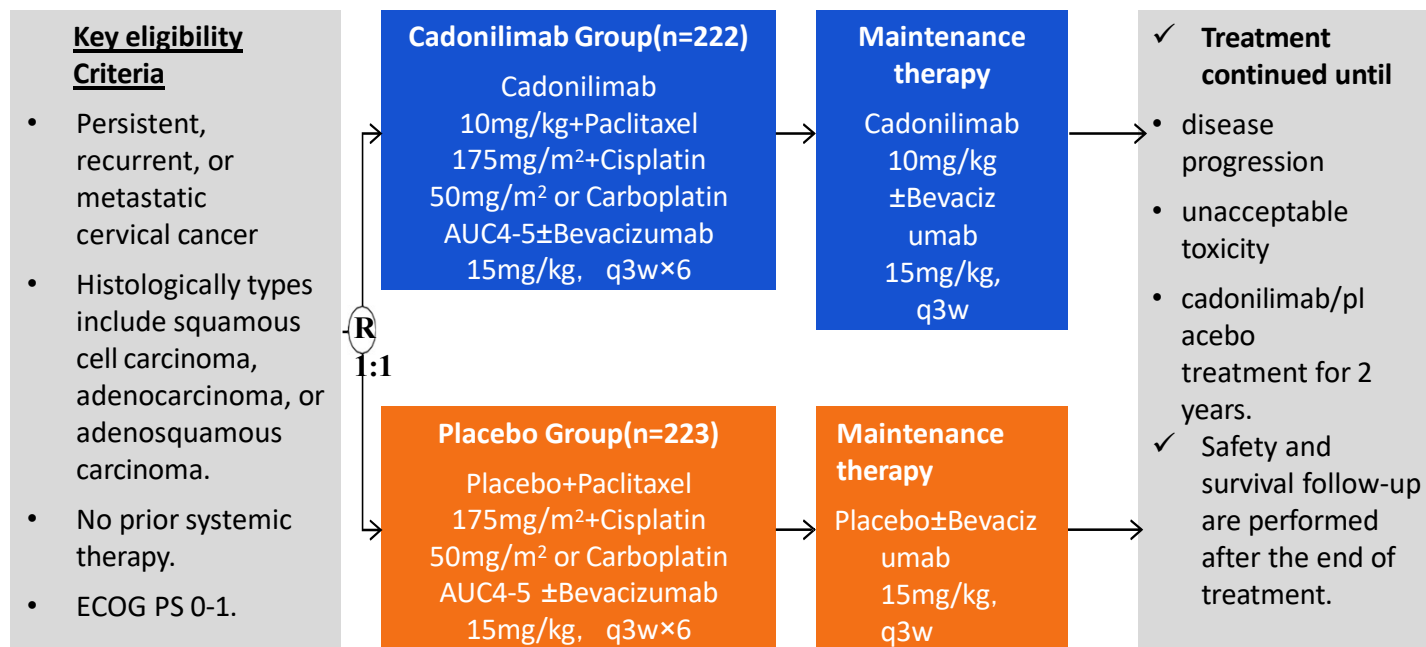
Others: PFS (BICR), 12mons-PFS, 24mons-PFS, 36mons-OS, ORR, DOR, PFS2, TFST, incidence of local progression and distant disease progression, PK, ADAs, safety and tolerability, ePROs

Exploratory Endpoint: ctDNA, T cell proliferation/clonal expansion, baseline tumor immune and genomic profile, ePROs

NCT06079671

Cadonilimab plus Chemotherapy with or without Bevacizumab as First-line Treatment for Persistent, Recurrent, or Metastatic Cervical Cancer: A Randomized, Double-blind, Placebo-controlled Phase 3 Study (COMPASSION-16)

X.Wu¹, Y. Sun², H. Yang³, J. Wang⁴, H. Lou⁵, D. Li⁶, K. Wang⁷, Z. Hu⁸, T. Wu⁹, Y. Li¹⁰, C. Wang¹¹, G. Li¹², Y. Wang¹³, D. Li¹⁴, Y. Tang¹⁵, M. Pan¹⁶, H. Cai¹⁷, T. Liu¹⁸, Y. Xia¹⁸
1.Fudan University Shanghai Cancer Center, Shanghai, China; 2.Clinical oncology school of Fujian Medical University, Fujian Cancer Hospital, Fuzhou, China; 3.Yunnan Cancer Hospital, Kunming, China; 4.Hunan Cancer Hospital, Changsha, China; 5.Zhejiang Cancer Hospital, Hangzhou, China; 6.The Affiliated Hospital of Southwest Medical University, Luzhou, China; 7.Tianjin Medical University Cancer Institute and Hospital, Tianjin, China; 8.The Fourth Hospital of Hebei Medical University, Shijiazhuang, China; 9.Changde First People's Hospital, Changde, China; 10.The First Affiliated Hospital of Bengbu Medical College, Bengbu, China; 11.Liaoning Cancer Hospital, Shenyang, China; 12.Union Hospital affiliated to Tongji Medical College, Wuhan, China; 13.Zhujiang Hospital of Southern Medical University, Guangzhou, China; 14.Cancer Hospital of Shandong First Medical University, Jinan, China; 15.Affiliated Cancer Hospital of Chongqing University, Chongqing, China; 16.Jiangxi Maternal and Child Health Hospital, Nanchang, China; 17.Radiotherapy Department, Gansu Provincial Hospital, Lanzhou, China; 18. Aiso Biopharma Inc., Zhongshan, China



Stratification factors:

- Use of Bevacizumab (Yes vs No)
- Prior CCRT (Yes vs No)

Primary Endpoints :

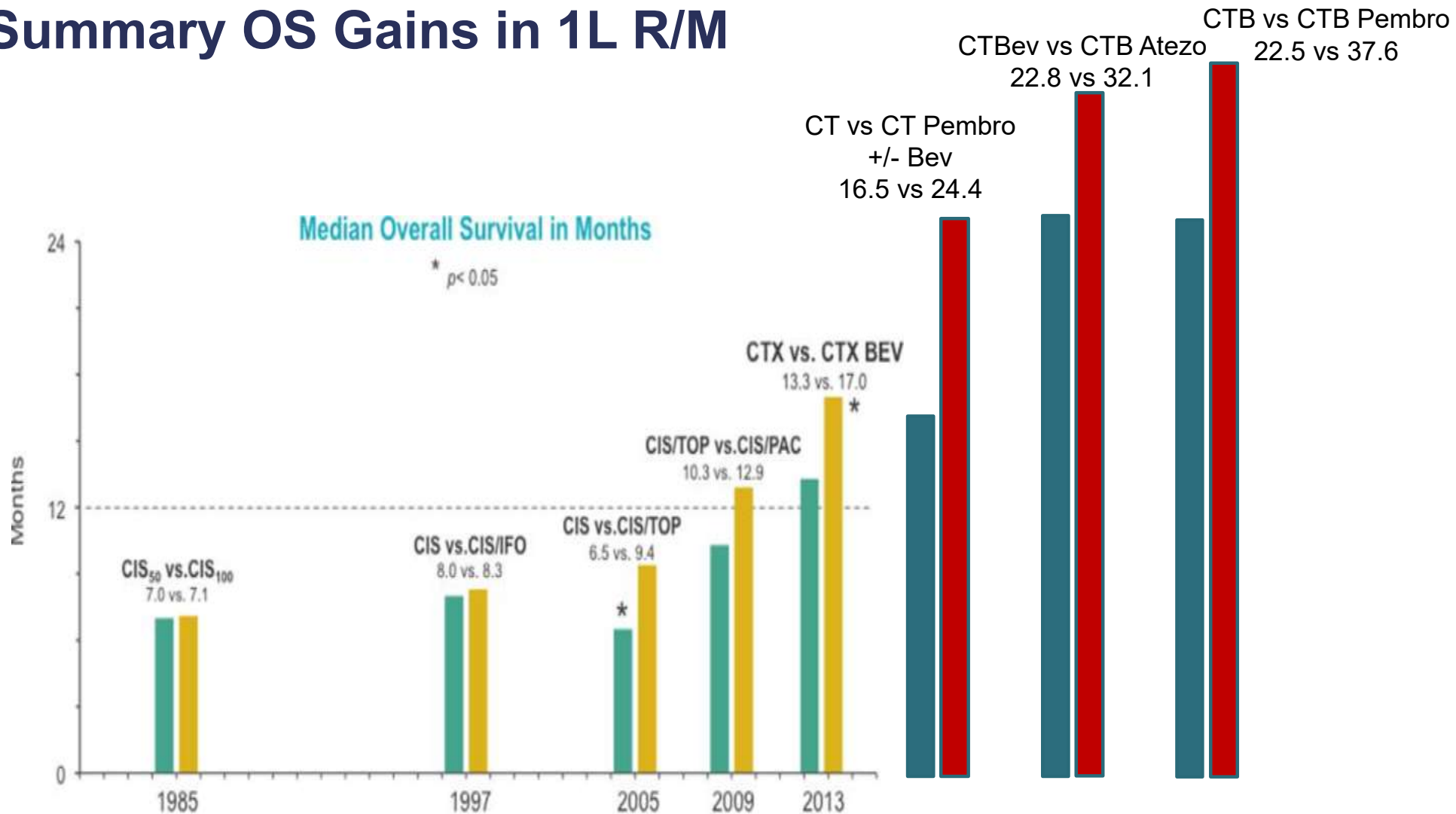
- PFS assessed by BICR according to RECIST v1.1
- OS

Second Endpoints :

PFS assessed by INV, ORR, DoR, DCR, TTR, Safety

NCT04982237

Summary OS Gains in 1L R/M



Tewari et al. Clin Cancer Res. 2015; 21(24): 5480-7. Columbo N et al NEJM 2021. Oaknin A et al ESMO virtual 2023. Lorusso K et al. ESGO 2023.

Progress in 1L Disease Status at Enrollment 1L Metastatic, Recurrent, Persistent Trials

Trial	n	mPFS _{exp} (mos)	HR PFS	mOS _{exp}	HR OS
GOG 204 ¹	503			12.9	
GOG 240 ²	452	8.2	0.71	17.0	0.67
KN 826 ± bev ³	617	10.4	0.65	24.4	0.67
KN 826 + bev ⁴		15.2	0.57	37.6	0.61
BEATcc ⁵	410	13.7	0.62	32.1	0.68
COMPASSION ± bev ⁶	445	13.3	0.62	NR* (27.0, NR)	0.64

Summary of Safety

TEAE	Cadonilimab (N = 226)*	Placebo (N = 219)
Any Grade, n(%)	225 (99.6)	219 (100)
≥Grade 3, n (%)	193 (85.4)	176 (80.4)
SAE, n (%)	126 (55.8)	74 (33.8)
Led to discontinuation of any trial agent, n (%)	63 (27.9)	23 (10.5)
Led to Death, n (%)	12 (5.3)	7 (3.2)
irAE	103 (45.6)	15 (6.8)
≥Grade 3 irAE, n (%)	22 (9.7)	2 (0.9)

Drug Exposure Cycle(median): Cadonilimab vs Placebo

- Cadonilimab/Placebo: 15.02 vs 12.33
 - Carboplatin: 6.26 vs 6.14
 - Cisplatin: 6.14 vs 6.10
 - Paclitaxel: 6.19 vs 6.10
 - Bevacizumab: 17.29 vs 14.38

*Due to protocol deviations, 4 patients in the control group were administered cadonilimab and were classified into the cadonilimab group during the safety analysis.

NCT04982237



Wu X et al. LBA. IGCS 2024



irAE in Cadonilimab group

	Cadonilimab Group(N=226)		Placebo Group(N=219)	
	Any grade	Grade 3-5	Any grade	Grade 3-5
All events	103 (45.6)	33.9% 22 (9.7)	11.4% 15 (6.8)	2 (0.9)
Hypothyroidism	61 (27.0)	KN826 1 (0.4)	KN826 5 (2.3)	0
Hyperthyroidism	33 (14.6)	1 (0.4)	0	0
Thyroiditis	8 (3.5)	0	2 (0.9)	0
Rash	6 (2.7)	1 (0.4)	1 (0.5)	0
Immune-mediated thyroiditis	5 (2.2)	1 (0.4)	0	0
Adrenal insufficiency	5 (2.2)	0	0	0
Hypopituitarism	3 (1.3)	2 (0.9)	1 (0.5)	0
Hyperglycemia	3 (1.3)	1 (0.4)	0	0
Drug eruption	3 (1.3)	1 (0.4)	0	0
Blood thyroid stimulating hormone increased	3 (1.3)	0	2 (0.9)	0
Secondary hyperthyroidism	3 (1.3)	0	1 (0.5)	0

irAE: Immune-related Adverse Event

* All irAEs have undergone a secondary adjudication process by the sponsor.

Efficacy and Safety of Sacituzumab Tirumotecan (sac-TMT) Plus Pembrolizumab in Patients with Recurrent or Metastatic Cervical Cancer

Xiaohua Wu¹, Jing Wang², Ruifang An³, Yi Huang⁴, Jieqing Zhang⁵, Jeffrey C. Goh⁶, Kui Jiang⁷, Guohua Yu⁸, Liang Chen⁹, Diane Provencher¹⁰, Ying Tang¹¹, Guiling Li¹², Hui Qiu¹³, Omobolaji O. Akala¹⁴, Elliot Chartash¹⁴, Yiting Zhou¹⁵, Xiaoping Jin¹⁵, Junyou Ge¹⁵



Cohort A: 2L or 3L recurrent or metastatic CC (N=40)

Key inclusion criteria

- Received 1 or 2 prior systemic regimens (prior anti-PD-1/L1 allowed) for recurrent or metastatic CC
- Progressed on or after platinum-doublet chemotherapy
- ECOG PS 0 or 1

Safety run-in

Sac-TMT 3 or 5 mg/kg Q2W + pembrolizumab 400 mg Q6W

Expansion

Sac-TMT 5 mg/kg Q2W + pembrolizumab 400 mg Q6W

Treatment continues until

- Disease progression
- Unacceptable toxicity

Primary endpoints

- Safety (DLT, AEs)
- ORR per RECIST v1.1

Secondary endpoints

- DCR, DoR, PFS, OS
- PK, immunogenicity

Tumor assessment:

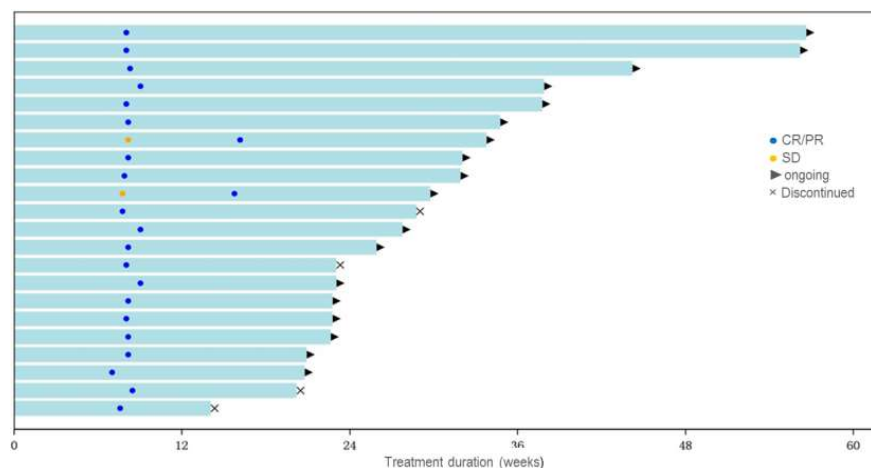
- Every 8 weeks for the first 12 months, and every 12 weeks thereafter

NCT05351788

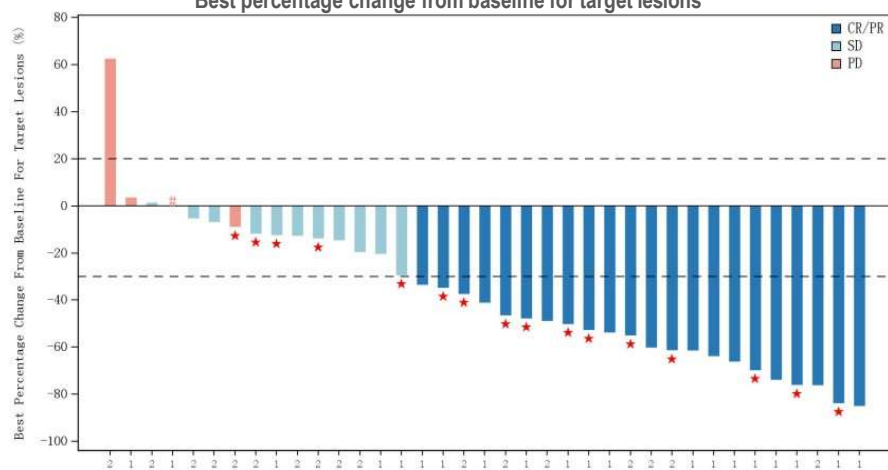
1. Fang W et al. *J Clin Oncol* 2024;42:Abstr 8502.

2L, second-line; 3L, third-line; ADC, antibody-drug conjugate; AE, adverse event; CC, cervical cancer; DAR, drug-to-antibody ratio; DCR, disease control rate; DLT, dose limiting toxicity; DoR, duration of response; ECOG PS, Eastern Cooperative Oncology Group performance status; ORR, objective response rate; OS, overall survival; PD-1, programmed cell death protein 1; PD-L1, programmed cell death ligand 1; PFS, progression-free survival; Q2W, every 2 weeks; Q6W, every 6 weeks; RECIST, Response Evaluation Criteria in Solid Tumors; TROP2, trophoblast cell-surface antigen 2.

Time to response and duration of treatment for responders



Best percentage change from baseline for target lesions



★ Prior anti-PD-1 therapy; 1.Prior 1 line therapy 2.Prior 2 line therapy
 ■ Percentage Change from Baseline for Target Lesions was 0%

Subgroup	N	ORR, n (%) ^a	6-month PFS rate, % (95% CI)	
CPS status	CPS ≥ 1	14	7 (50.0)	68.8 (35.7, 87.3)
	CPS < 1	15	9 (60.0)	74.9 (39.1, 91.5)
	Unknown	9	6 (66.7)	43.8 (10.1, 74.2)
Prior anti-PD-1 based therapy	Yes	16	11 (68.8)	78.6 (47.2, 92.5)
	No	22	11 (50.0)	58.0 (32.4, 76.8)
Prior bevacizumab	Yes	20	12 (60.0)	67.1 (40.9, 83.7)
	No	18	10 (55.6)	67.5 (38.2, 85.2)
No. of prior systemic therapy	1	20	15 (75.0)	73.1 (46.7, 87.9)
	2	18	7 (38.9)	54.3 (21.8, 78.3)

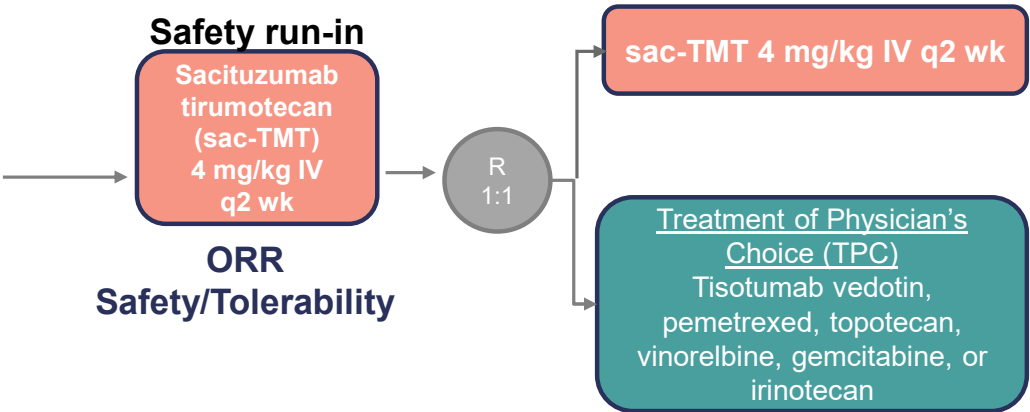
GOG-3101/TroFuse-020/ENGOT-cx20

A Phase 3 Randomized, Active-controlled, Open-label, Multicenter Study to Compare the Efficacy and Safety of MK-2870 Monotherapy Versus Treatment of Physician's Choice as Second-line Treatment for Participants with Recurrent or Metastatic Cervical Cancer

PI: Ritu Salani, MD

Eligibility

- Squamous, adenosquamous, adenocarcinoma cervical cancer
 - Recurrent or metastatic:
 - Progressed on or after treatment with 1 prior line of systemic platinum doublet chemotherapy (with or without bevacizumab) NOTE: may have also received prior chemoradiotherapy in the LACC setting
- AND**
- Received anti-PD-1/anti-PD-L1 therapy as part of prior cervical cancer regimens
 - Measurable disease per RECIST 1.1
 - ECOG PS 0-1
 - <Grade 2 PN



Primary Endpoint

- OS

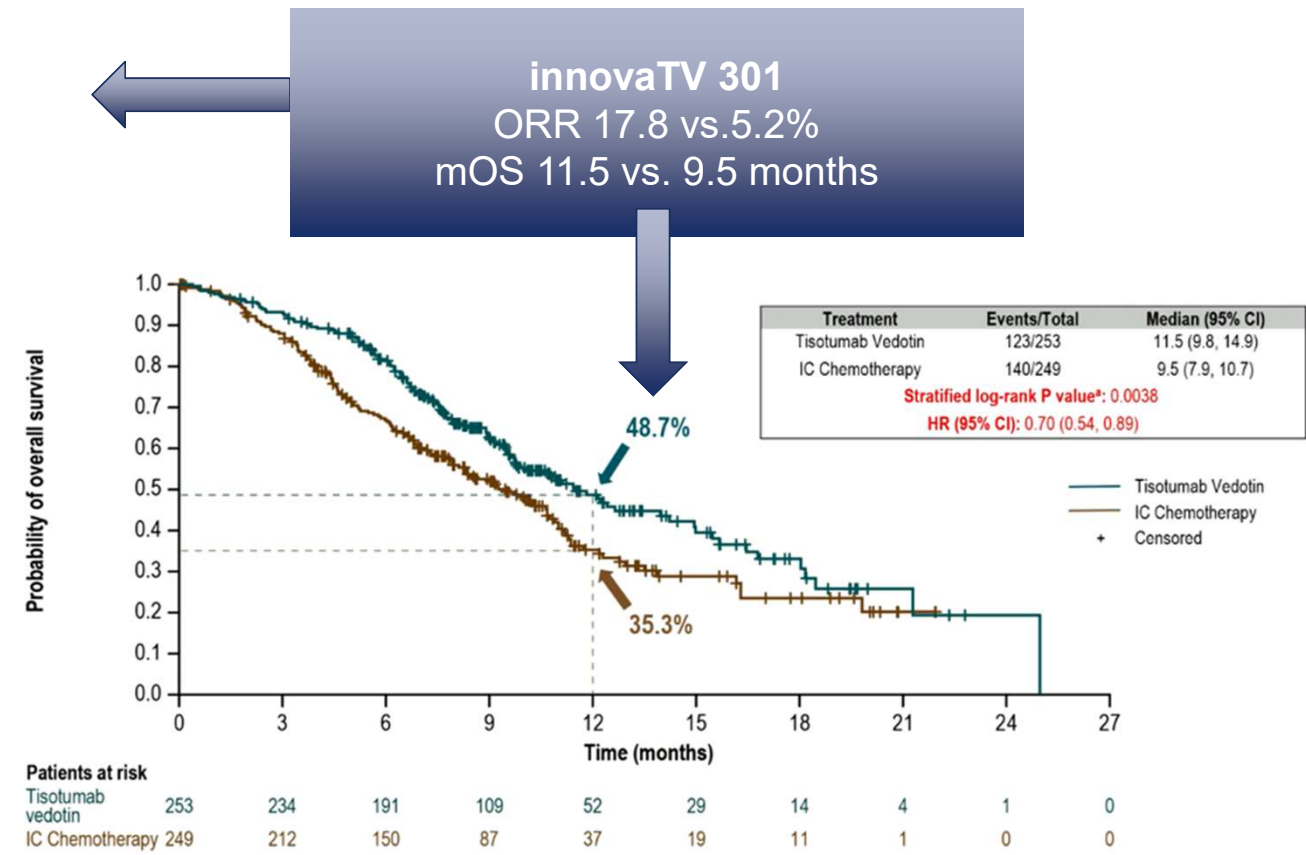
Secondary Endpoints

- PFS
- ORR
- DOR
- Safety/Tolerability
- PROs
 - Time to first deterioration EORTC-QLQ-C30
 - Change baseline C30
 - Health status
 - QOL
 - Physical functioning
 - Role functioning

Tisotumab – while not studied specifically in a “post CPI” setting has become a preferred SOC based on modest improvements in OS

	Tisotumab Vedotin (N=253)	IC Chemotherapy (N=249)
ORR, % (95% CI)	17.8 (13.3-23.1)	5.2 (2.8-8.8)
Odds ratio (95% CI)	4.0 (2.1-7.6)	
P value	p<0.0001	
Best Overall Response, n (%)		
CR	6 (2.4)	0
PR	39 (15.4)	13 (5.2)
SD	147 (58.1)	132 (53.0)
PD	46 (18.2)	74 (29.7)
Not evaluable/Not available	15 (5.9)	30 (12.0)
DCR ^a , % (95% CI)	75.9 (70.1-81.0)	58.2 (51.8-64.4)
Median DOR (95% CI)	5.3 (4.2-8.3)	5.7 (2.8-NR)

We can agree here that IC chemotherapy is just insufficient for our patients



*The threshold for statistical significance is 0.0226 (2-sided), based on the actual number of OS events at interim analysis.

Tisotumab – Now NCCN Category 1!



**Tisotumab Vedotin as
Second- or Third-Line
Therap...**
www.nejm.org



The NEW ENGLAND
JOURNAL of MEDICINE

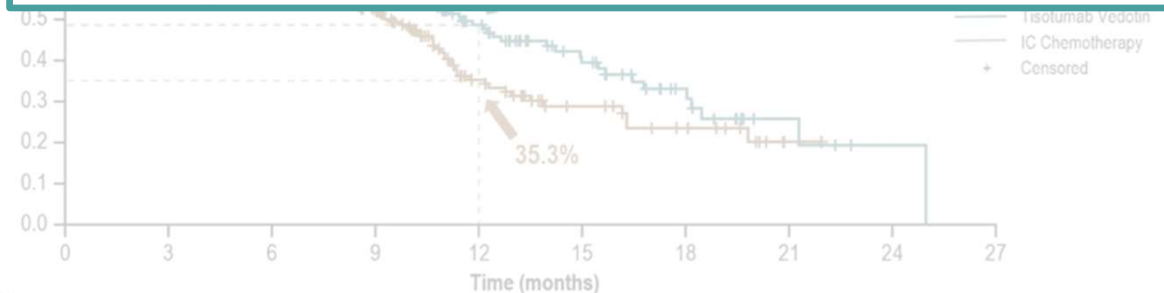
SPECIALTIES ▾ TOPICS ▾ MULTIMEDIA ▾ CURRENT ISSUE ▾ LEARNING/CME ▾ AUTHOR CENTER PUBLICATIONS ▾

ORIGINAL ARTICLE



Tisotumab Vedotin as Second- or Third-Line Therapy for Recurrent Cervical Cancer

Authors: Ignace Vergote, M.D., Ph.D., Antonio González-Martín, M.D., Ph.D., Keiichi Fujiwara, M.D., Ph.D., Elsa Kalbacher, M.D., Andrea Bagaméri, M.D., Sharad Ghamande, M.D., Jung-Yun Lee, M.D., Ph.D., **+24**, for the innovaTV 301/ENGOT-cx12/GOG-3057 Collaborators* [Author Info & Affiliations](#)



at risk										
ib	253	234	191	109	52	29	14	4	1	0
otherapy	249	212	150	87	37	19	11	1	0	0

d for statistical significance is 0.0226 (2-sided), based on the actual number of OS events at interim analysis.

Second-line or Subsequent Therapy^{9,j}

Preferred Regimens

- Pembrolizumab for TMB-H tumors^{f,k} or PD-L1-positive^h or MSI-H/dMMR tumors^{f,16}
- Tisotumab vedotin-tftv (category 1)^{17,18}

Other Recommended Regimens

- Bevacizumab
- Paclitaxel^{15,19}
- Albumin-bound paclitaxel
- Docetaxel
- Fluorouracil
- Gemcitabine
- Pemetrexed
- Topotecan
- Vinorelbine
- Irinotecan
- Cemiplimab^{f,20}

Useful in Certain Circumstances

- PD-L1-positive tumors
 - Nivolumab^{f,h,21}
 - Tisotumab vedotin-tftv + pembrolizumab^{h,i,22}
- HER2-positive tumors (IHC 3+ or 2+)
 - Fam-trastuzumab deruxtecan-nxki²³
- HER2-mutant
 - Neratinib²⁴
- RET gene fusion-positive tumors
 - Selpercatinib
- NTRK gene fusion-positive tumors
 - Larotrectinib
 - Entrectinib
 - Repotrectinib^{m,25}