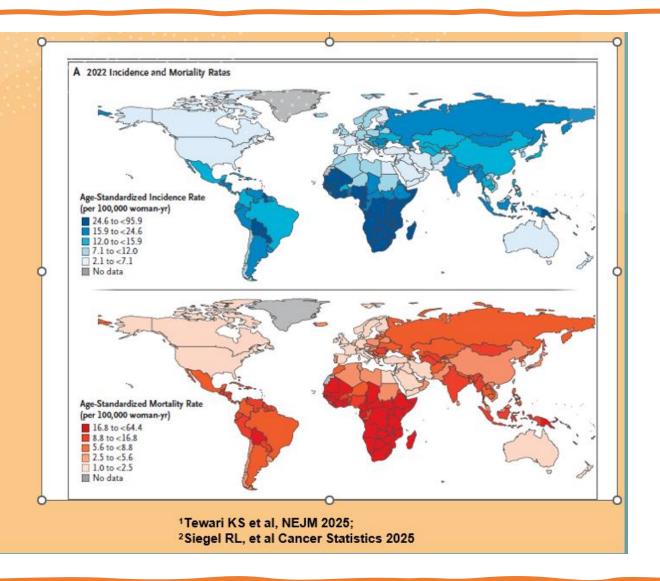
Incorporating Immunotherapy in the Management of Cervical Cancer

Susana Campos MD, MPH
Dana Farber Cancer Institute
Harvard Medical School
Boston Mass

2022 Incidence and Mortality Cervical Cancer¹

Estimated number of new cases (13,360) and deaths (4320) US 2025²



Landmarks in Cervical Cancer

Five Cervical Studies Show Cisplatin-Based Chemoradiation Reduces Deaths 0.8 0.6 0.4 #8797 Relative Risk - with 90% C.I. JNCI: Journal of the National Cancer Institute, Volume 91, Issue 6, 17 March 1999

B Oncogenic Subtype of HPV Virion Viral integration into the host genome Host genome E6 E7 pRb Loss of tumor suppression disruption C Papanicolaou Smear Showing Cervical Cancer C Papanicolaou Smear Showing Cervical Cancer

Landmarks in Cervical Cancer

GOG 85 Whitney CW et al, JCO 1999

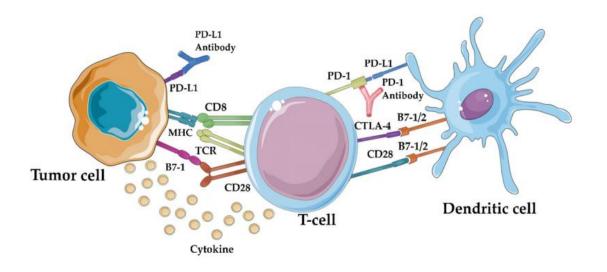
RTOG 9001 Morris M et al, NEJM 1999

GOG120 Rose P et al, NEJM 1999

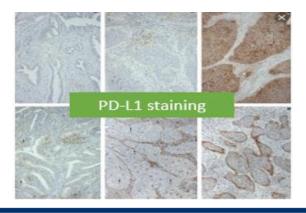
SWOG 8797 Peters WA et al, JCO 2000

GOG 123 Keys H et al, NEJM 1999

Immunotherapy: The New Landmark



PD-L1 expression in cervical cancer: 64 %¹



Immune checkpoint inhibitors' mechanism of action: by blocking the PD-1/PD-L1 interaction, immune checkpoint inhibitors like anti-PD-1 and anti-PD-L1 antibodies can "release the brakes" on the immune system, enabling it to recognize and attack tumor cells more effectively [20]. Figure 1. Immune checkpoint inhibitors' mechanism of action: by blocking the PD-1/PD-L1 interaction, immune checkpoint inhibitors like anti-PD-1 and anti-PD-L1 antibodies can "release the brakes" on the immune system, enabling it to recognize and attack tumor cells more effectively Life 2024, 14(3), 344; https://doi.org/10.3390/life14030344

PD-L1 positively
stained cells
(tumor cells,
lymphocytes, macrophages)

all vital tumor cells

Shades of Stages: Cervical Cancer

2014

Stage	
	Lesion is confined to cervix
IA.	No visual lesion identifiable, but only by microscopic examination. Depth of invasion is no greater than 5 mm and lesion is no wider than 7 mm in diameter
IA1	Stromal invasion is no greater than 3 mm in depth and no wider than 7 mm
IA2	Stromal invasion between 3 and 5 mm in depth and is no wider than 7 mm
IB	Lesion is visible and confined to the cervix or is preclinical but larger than the limit of stage IA
181	Lesion is no larger than 4 cm
182	Lesion is larger than 4 cm
II	Lesion extends into the vagina but no further than the upper two-thirds and or extends into the parametria but not to the pelvic side wall
ILA	Lesion extends into the upper two thirds of the vagina; no parametrial involvement
IIB	Obvious parametrial involvement: does not extend to pelvic sidewall
	Lesion extends into lower one-third of the vagina or extends to pelvic sidewall; or there is evidence of hydronephrosis or a nonfunctioning kidney without a noncancerous cause
IIIA	Lesion extends into the lower one-third of the vagina but not to pelvic sidewall
IIIB	Lesion extends to pelvic sidewall or hydronephrosis or nonfunctioning kidney
rv .	Tumor extends beyond true pelvis or clinically involves the mucosa of the bladder or rectum
IVA	Tumor has spread to adjacent organs
IVB	Tumor has spread to distant organs

Bex 1

The carcinoma is strictly confined to the cervix (extension to the corpus should be disregarded).

- . M toyarive carcinoma that can be diagnosed only by microscopy with maximum depth of invasion of mer-
- IAS Measured stromal invasion x3 mm in depth
- IA2 Measured stromal invasion +3 mm and ±5 mm in depth
- 86 invarive carcinoms with measured deepest invasion +5 mm (greater than stage IA), lesion limited to the cervis steri with size measured by maximum tumor diameter⁶.
- IBS invasive carsinoma +5 mm depth of stremal invasion and s2 cm in greatest dimension
- IB2 Invasive carcinoma +2 on and s4 on in greatest dimension.
- IBS invasive cardinoma r-ti on in greatest dimension.

Stuge III

The cervical carcinoma invades beyond the uterus, but has not extended onto the lower third of the vagina or to the pelvic wall

- . BA truckement limited to the upper two-thinds of the vagina without parametrial invasion
- BA1 treative carcinoma of on in greatest dimension.
 BA2 treative carcinoma >4 on in greatest dimension.
- . 88 With parametrial invacion but not up to the pelvic wall
- BB With parametrial invacion but not up to the petric wall

Stage III:

The carcinoma involves the lower third of the vagina and/or extends to the pelvic wall and/or causes hydronephrosis or non-functioning. kidney and/or involves pelvic and/or parasortic lymph nodes.

- . BIA Carcinoma involves lower third of the vagina, with no extension to the pelvic wall
- IBB Extension to the pelvic wall and/or hydronephrosis or non-functioning kidney (unless known to be due to another cause)
- IBC involvement of pelvic and/or parasortic lymph nodes (including relocametastases)², irrespective of tumor size and extent (with r and p notations).⁴
- BICE Pelvic lymph node metastasis only
- BBC2 Parasortic lymph node metastasis

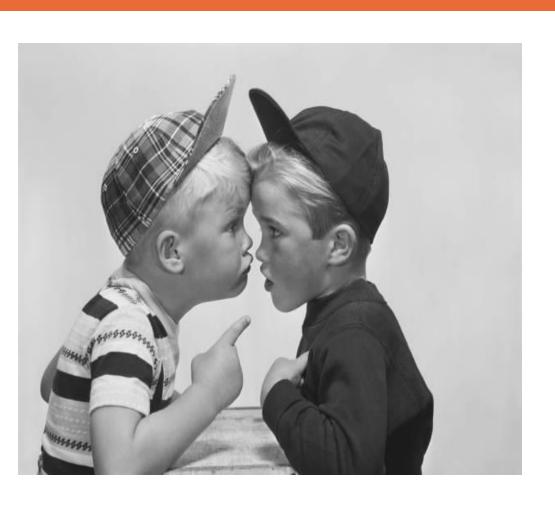
Stage IV

The carcinoma has extended beyond the true pelvis or has involved (biopoy proven) the mucosa of the bladder or restum. A bullous edema, as such, does not permit a case to be allotted to stage N'

- . IVA Spread of the growth to adjacent organs
- . IVB Spread to distant organs
- *maging and pathology can be used, when available, to supplement clinical findings with respect to tumor size and extent, in all stages.
 Pathological findings supercode imaging and clinical findings.
- "The involvement of vaccular/lymphatic spaces should not change the staging. The lateral extent of the lesion is no longer considered.
- "Isolated tumor cells do not change the stage but their presence should be recorded

CALLA and A18:Locally Advanced Cervical Cancer: opposing views

CALLA¹



		1110
Eligibility (stage)	FIGO 2009 stage IB2-IIB (node positive disease) or \geq stage III	FIGO 2014 stage IB2-IIB (node-positive disease) or stage III-IVA $$
Eligibility (nodes)	Allows 1 pelvic node+	Must have two pelvic or a ortic node+ but allows PET SUV 2.5+ $$
Lymph node size	Amendment: downsized LN size in short axis for CT (from 1.5 cm to 1 cm) $$	Remained unchanged for LN size per RECIST 1.1 (≥1.5 cm shortest dimension)
Target	PD-L1	PD1
Agent	Durvalumab	Pembrolizumab
Chemo for CRT	Cisplatin or carboplatin	Cisplatin only
Primary end point(s)	PFS	PFS/OS
Stratification	Stage	IMRT/VMAT vs. non
factors	Region of world	Total RT dose <70 vs. ≥70 Gy
		Stage (1B2-IIB node+ vs. III/IVA node+/-)
Enrollment	N = 770, 120 sites, 15 countries	N = 1060, 176 sites, 30 countries

A18²

Abbreviations: CRT, chemoradiation; CT, computed tomography scan; Gy, gray; IMRT, intensity modulated radiation therapy; LN, lymph node; OS, overall survival; PET, positron emission tomography; PFS, progression-free survival; RT, radiation therapy; SUV, standardized uptake value; VMAT, volumetric modulated arc therapy.

Durvalumab versus placebo with chemoradiotherapy for locally advanced cervical cancer (CALLA): a randomised, double-blind, phase 3 trial

Bradley March, Edujana Talia, Xarinas Wa, Jane C Vitapar Limbs, Rojid Tarrasadi, Masadi Mardal, Romar Magno Francesa, Union Mahamadams, Maria del Pali Estana Dia, G. Dian Senatra Limba, Franceso Estanas Goldena, Christian Gapermon Estada Sobio Waya, Matada Vidalinios, Dominir Adul Marcel Lein, Jane Yun Lei, Esparand Liala, Yalia Esparan, Wan Fang Chang, Anjan Ray, Yi Romg, Galland Sc. Spirk Williamsh, Andrino Ling Harrand Day, Nan Didatas Nama, Jand Magnata.

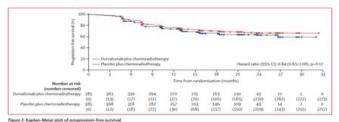
Summary

Decigoord Concurrent themoralischerapy has been the standard of care for locally advanced cervical cancer for over 20 years, however, 33–40% of treated gatesies have recurrence or progression within 5 years. Insurance decloped shalldiston has improved outcomes for patients with DFLD positive mentating or recurrent cervical cancer. We assessed the benefit of adding durvalumab, a PDLI antibody, with and following themoralistherapy for locally

station. The CALLA mandersized, double-blod, plane. I still included 195 benjohn scron 15 countries, Driesse, ang of a lent III System with previously transmiss design at lent III System with previously transmiss design and the control cares of the effective countries. The countries of the countries of Casacology and Otherities 175(O) 2005 stage 182-118 hough note still a produced to the produced state of the received recording from performances that of 6 or twee machinely neighbor of Q1 through an interactive web response system using a permandel block size of the received narrhandors (1950 mg internecessor once every 4 weeks) or place with and following chemical blocks size of the received narrhandors (1950 mg internecessor once every 4 weeks) or place when the distinct placematical state of the received narrhandors of the control o

Findings Between Fel 15, 2019, and Dec 16, 2019, 7/2 wasters were randowly assigned (28) to devolvemb and 354 to alpharbe medium og 97 mm [1924 4-157). Modera follow on yet 15.5 ments [1921 15), 23-13 is in the relational gauge and 11.4 ments [132-24.2) is the placeful gauge, bit date startf, ended an progression free rearried 150 ce 150 ments [162 4-15]. The contraction of the render of 950 c. Contraction for endership for other gauge [162 4-34.5 950 c. 65 -61 d); the "III Justices. The next proposed reprinted gauge and the start of 150 ments o

interpretation Duralmuch concurrent with cheesscalesfuracy was well indexed in participants with locally advanced excisal cancer, however field not injuries until improce progressions for earth in its least non-instanted understand all convers positions. Concurrent advantants plant chemistotherapy assurant further epistation in patients with high anasour IPS-LI expression. Signosus monitoring ensured high chemistates between principles of with advanced technology and allower plantest to exercise optimal care.



Progression - The outstall, as per Response Evaluation Criteria in Solid Tumors version 1.1 as assessed by investigator or histopathological confirmation of local tumors progression. Data muturity was 31%.

Pembrolizumab or placebo with chemoradiotherapy followed by pembrolizumab or placebo for newly diagnosed, high-risk, locally advanced cervical cancer (ENGOT-cx11/GOG-3047/KEYNOTE-A18): a randomised, double-blind, phase 3 clinical trial

Commiss Limins, Yang Kimp Kime Hongsino, Ginnom's Samebir, Manuel Laine, Pair Barnes Eller, Alginado Aurello, Yanghan Sakhin, Noele Climes, Andrea (Prema de Sontana Gones Formado Contensis Meja, Arlikin, All Aylan, Jong Yu Lie Yaliniya Sontes Limin Same Limin Limi

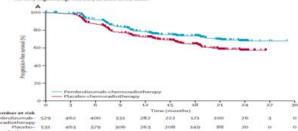
Summary

Background Pembrolicumah has shown efficacy in persistent, recurrent, or metastatic cervical cancer. The effect of chemoradiotherapy might be enhanced by immunotherapy. In this phase 3 trial, we assessed the efficacy and safety of adding pembrolisumab to chemoradiotherapy in locally advanced cervical cancer.

Methods In this randomined, double-blind, placebe-controlled, plane I ENCOT-CAIL/GOG-3047/EETNOTEAS claical trial, ability page 139 years) at 15 medical cortex in 10 countries with newly diagnosed, high-risk, locally absenced corvival cancer were randomly assigned (£3) using an interactive voic-reseponse system with integrated web response to receive 5 cycles of permitheriumah (100 mg or pachoe very 5 weeks has demonationlessys, diskowed by 15 cycles of permitheriumah (100 mg or pachoe very 5 weeks. Eandomisation was stratified by planned external beam radiotherapy the planted or the comparison of the control of t

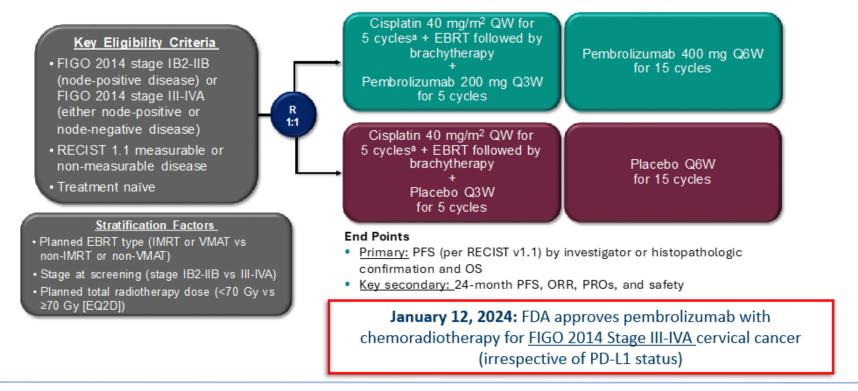
Findings between June 9, 2020, and Dec 15, 2022, 1040 participants were randomly assigned to treatment, with \$25 assigned to the permodrizamed-beneratedisteragy group, 48 511 to the placktos-chemoracidisteragy group, 48 data cutoff (fin 9, 2023), median follow-up was 17-9 months (fig 21:1-32:2.3) in both treatment group. Median progression fore warried was not reached in either group, treat a 24 membra were 68% in the penhodrizamed-chemoracidisteragy group yerous 57% in the placebos-chemoracidisteragy group. The hazard ratio (18) for disease progression or death was 20-80/585 (5-5-6-8 3), no 5000), meeting the persocal-specificial principal varieties at 24 months was 57% in the penhodrizamids-chemoracidisteragy group and 81% in the placebos-chemoracidisteragy group (inferential fraction 62-05). The 18 for death was 0-73 (0-45-1-07) these data have not crossed the boundary of statistical significance. Cred 1 on higher adverse event rates were 75% in the pembrolizamids-chemoracidisteragy group and 65% in the placebos-chemoracidisteragy group and 65% in the placebos-chemoracidisterage group.

Interpretation Pemboolizumab plus chemoradiotherapy significantly improved progression-free survival in patients with newly diagnosed, high-risk, locally advanced cervical cancer.



KEYNOTE-A18: Pembrolizumab + chemoradiotherapy for high-risk, locally advanced cervical cancer

Study Schema

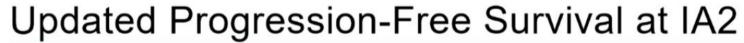


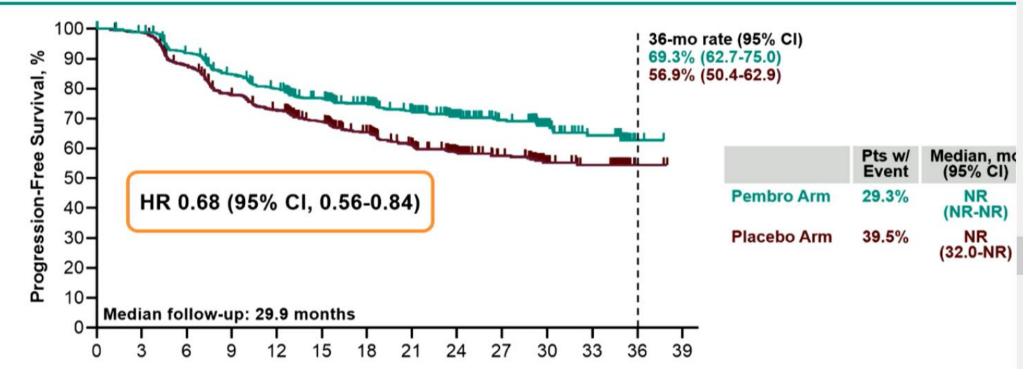
Lorusso D, et al, The Lancet 2024

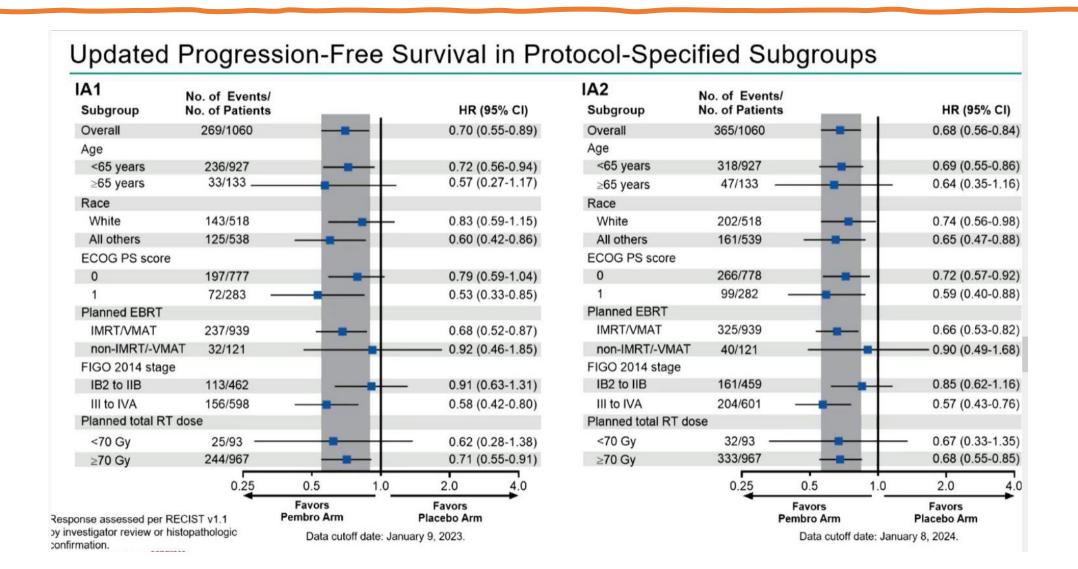
Baseline Characteristics

	Pembro Arm (N = 529)	Placebo Arm (N = 531)	134	Pembro Arm (N = 529)	Placebo Arm (N = 531)
Age, median (range)	49 y (22-87)	50 y (22-78)	Stage at screening (FIGO 2014 crit	eria)	
Racea			IB2-IIB	233 (44.0%)	226 (42.6%)
White	254 (48.0%)	264 (49.7%)	III-IVA	296 (56.0%)	305 (57.4%)
Asian	156 (29.5%)	148 (27.9%)	Lymph node involvement ^b		
Multiple	78 (14.7%)	86 (16.2%)	Positive pelvic only	327 (62.2%)	324 (61.0%)
American Indian or Alaska Native	24 (4.5%)	22 (4.1%)	Positive para-aortic only	14 (2.6%)	10 (1.9%)
Black or African American	14 (2.6%)	8 (1.5%)	Positive pelvic and para-aortic	104 (19.7%)	104 (19.6%)
Native Hawaiian or Other Pacific Islander	2 (0.4%)	1 (0.2%)	No positive pelvic or para-aortic	84 (15.9%)	93 (17.5%)
PD-L1 CPS			Planned type of EBRT		
<1	22 (4.2%)	28 (5.3%)	IMRT or VMAT	469 (88.7%)	470 (88.5%)
≥1	502 (94.9%)	498 (93.8%)	Non-IMRT and non-VMAT	60 (11.3%)	61 (11.5%)
Missing	5 (0.9%)	5 (0.9%)	Planned total radiotherapy dose (EC	QD2)	
ECOG PS 1	149 (28.2%)	133 (25.0%)	<70 Gy	47 (8.9)	46 (8.7)
Squamous cell carcinoma	434 (82.0%)	451 (84.9%)	≥70 Gy	482 (91.1)	485 (91.3)

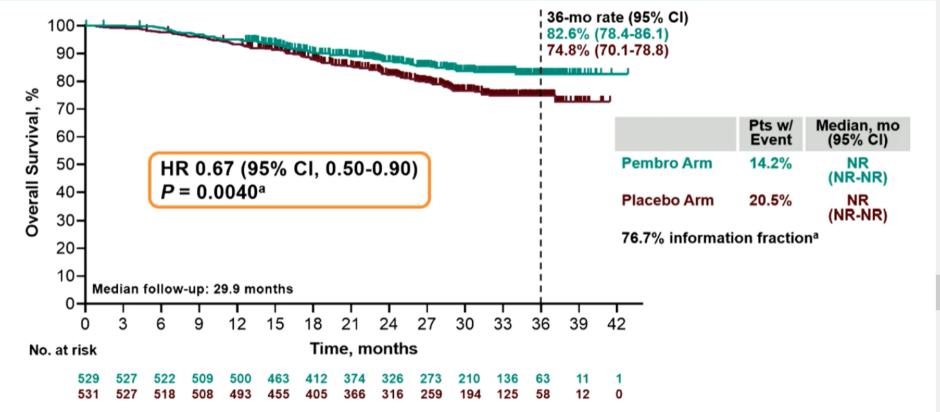
^{*3} patients (0.3%) had missing information for race, 1 (0.2%) in the pembro arm and 2 (0.4%) in the placebo arm. ⁵Per protocol, a positive lymph node is defined as ≥1.5 cm shortest dimension by MRI or CT. Data cutoff date: January 8, 2024.







Primary Endpoint: Overall Survival at IA2

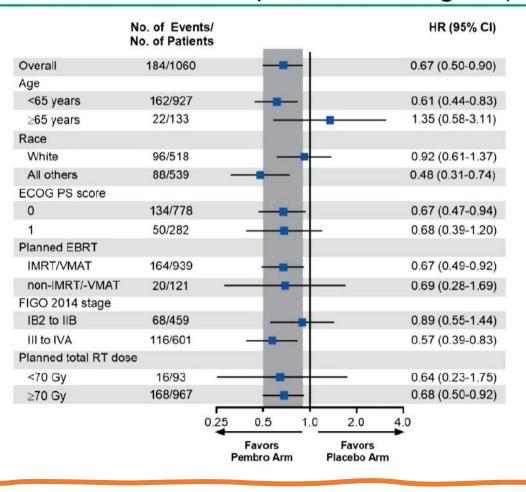


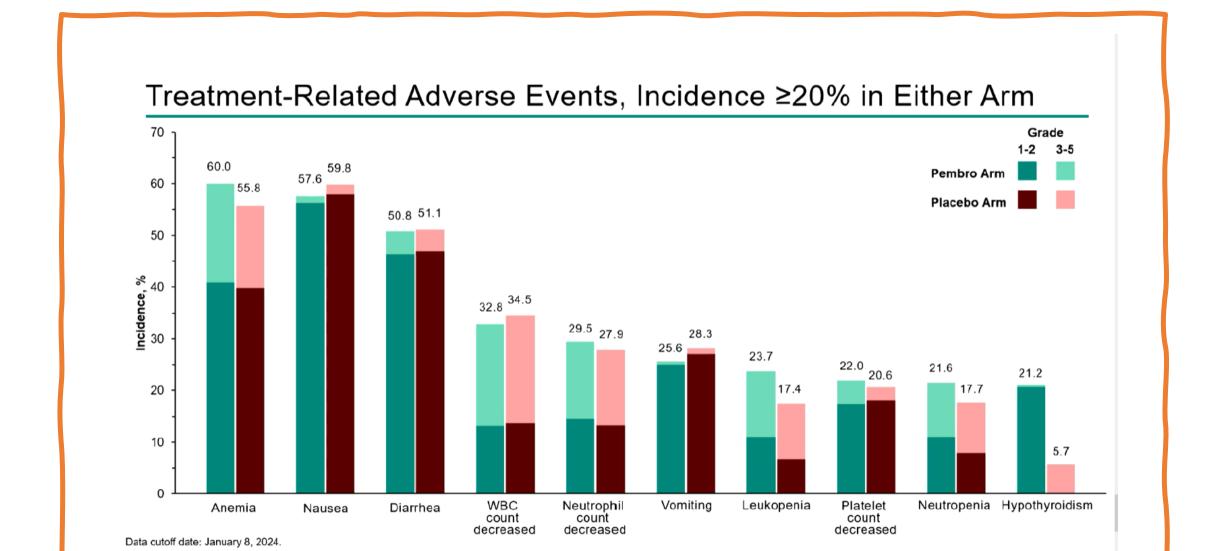
With 184 of the 240 deaths expected at the final analysis (76.7% information fraction), the observed P = 0.0040 (1-sided) crossed the prespecified nominal boundary of 0·01026 (1-sided) at this plannec interim analysis. At this time, 66 patients had received immunotherapy as post-progression treatment, including 15/138 patients (10.9%) in the pembro arm and 51/193 patients (26.4%) in the placebo ar 10 (7.2%) and 41 (21.2%), respectively, had received pembro. Data cutoff date: January 8, 2024.

0000VC00

Overall Survival in Protocol-Specified Subgroups

Data cutoff date: January 8, 2024.



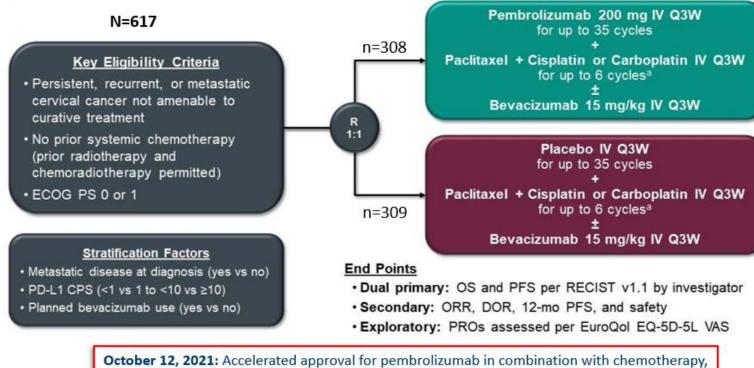


Recurrent/Persistent
Metastatic Cervical
Cancer: 1st Line

Keynote 826 Beat CC

KEYNOTE-826: Pembrolizumab + chemo ± bev vs chemo ± bev for persistent, recurrent, or metastatic cervical cancer

Study Schema



October 12, 2021: Accelerated approval for pembrolizumab in combination with chemotherapy, with or without bevacizumab, for patients with persistent, recurrent or metastatic cervical cancer whose tumors express PD-L1 (CPS>=1), as determined by an FDA-approved test.

Monk B et al. JCO 2023; Colombo N et al. NEJM 2021

KEYNOTE-826

Baseline Characteristics (All-Comers)

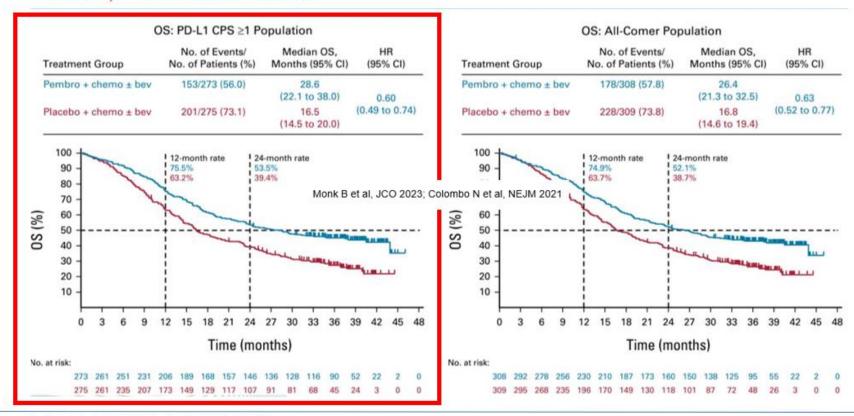
Characteristic	Pembro (n = 308)	Placebo (n = 309)
Median age, yr (range)	51 (25-82)	50 (22-79)
ECOG PS 1, n (%)	128 (41.6)	139 (45.0)
Squamous cell carcinoma, n (%)	235 (76.3)	211 (68.3)
PD-L1 CPS, n (%)	35 (11.4) 115 (37.3) 158 (51.3)	34 (11.0) 116 (37.5) 159 (51.5)
Prior therapy, n (%) Chemoradiation or radiation with surgery Chemoradiation or radiation only Surgery only	71 (23.1) 156 (50.6) 23 (7.5)	79 (25.6) 142 (46.0) 24 (7.8)
■ None	58 (18.8)	64 (20.7)

Characteristic, n (%)	Pembro (n = 308)	Placebo (n = 309)
Stage at diagnosis*	67 (21.8)	58 (18.8)
• II • III	85 (27.6) 5 (1.6)	93 (30.1) 8 (2.6)
IIIA	4 (1.3) 46 (14.9)	8 (2.6) 42 (13.6)
■ IVA ■ IVB	7 (2.3) 94 (30.5)	4 (1.3) 96 (31.1)
Disease status at study entry Metastatic Persistent or recurrent with distant metastases	58 (18.8) 199 (64.6)	64 (20.7) 179 (57.9)
 Persistent or recurrent without distant metastases 	51 (16.6)	66 (21.4)
Bevacizumab used during study	196 (63.6)	193 (62.5)

^{*}Per FIGO 2009/NCCN 2017 criteria.

KEYNOTE-826

Efficacy – Overall Survival



Monk B et al, JCO 2023; Colombo N et al, NEJM 2021

KEYNOTE-826

Safety

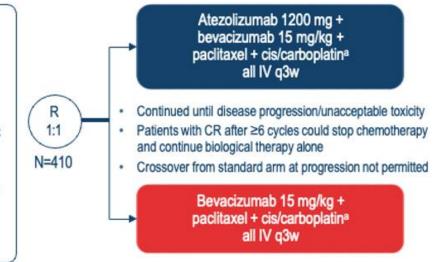
Outcome, n (%)	Pembro (n = 307)	Placebo (n = 309)
All-cause AE ■ Grade ≥3 ■ Serious ■ Led to death ■ Led to d/c of any treatment ■ Led to d/c of all treatment	305 (99.3) 253 (82.4) 157 (51.1) 16 (5.2) 125 (40.7) 17 (5.5)	307 (99.4) 233 (75.4) 132 (42.7) 15 (4.9) 91 (29.4) 15 (4.9)
TRAEs ■ Grade ≥3 ■ Serious ■ Led to death ■ Led to d/c of any treatment ■ Led to d/c of all treatment	298 (97.1) 212 (69.1) 94 (30.6) 2 (0.7) 102 (33.2) 9 (2.9)	300 (97.1) 201 (65.0) 73 (23.6) 4 (1.3) 77 (24.9) 6 (1.9)
irAEs ■ Grade ≥3 ■ Serious ■ Led to death ■ Led to d/c of any treatment ■ Led to d/c of all treatment	106 (34.5) 37 (12.1) 24 (7.8) 2 (0.7) 20 (6.5) 2 (0.7)	51 (16.5) 9 (2.9) 7 (2.3) 0 1 (0.3)

Treatment parameter	Pembro (n = 307)	Placebo (n = 309)
Median number of cycles Any treatment Pembro or placebo Chemotherapy Bevacizumab	14 13 6 13	11 11 6 11
Median treatment duration, mo	10.0	7.7
Mean treatment duration, mo	14.4	10.8

BEATcc: Platinum Chemo + Paclitaxel with Bevacizumab and Atezolizumb in Metastatic Cervical Cancer

Study Schema

- Metastatic, persistent or recurrent cervical cancer not amenable to curative therapy
- GOG/ECOG PS ≤1
- No prior systemic anticancer therapy for R/M CC
- In patients with pelvic disease, no bladder or rectal mucosa involvement
- Available archival or fresh tumour sample for PD-L1 expression



Dual primary endpoints

- Investigator-assessed PFS (RECIST 1.1)
- OS

Stratification factors:

- Prior concurrent chemoradiation (yes vs no)
- Histology (squamous cell carcinoma vs adenocarcinoma) including adenosquamous carcinoma)
- · Chemotherapy backbone (cisplatin vs carboplatin)

Oaknin A et al. The Lancet 2024

BEATCC

Baseline Characteristics

Characteristic		Control Arm (n = 204)	Atezo Arm (n = 206)
Median age, yı ■ Age <65, n (9		52.5 (21-79) 168 (82)	51.0 (24-90) 171 (83)
GOG ECOG PS,* n (%)	• 0 • 1	128 (63) 73 (36)	138 (67) 68 (33)
Race, n (%)	 White Other[†] Not available 	113 (55) 42 (21) 49 (24)	111 (54) 45 (22) 50 (24)
Histology, (%)	■ SCC ■ AC/ASC	157 (77) 47 (23)	164 (80) 42 (20)

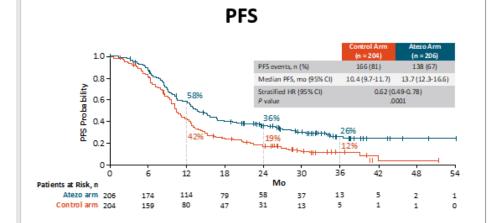
^{*}Missing 3 patients. \dagger Asian (n = 58), Latina (n = 18), Black (n = 5), Gypsy (n = 1).

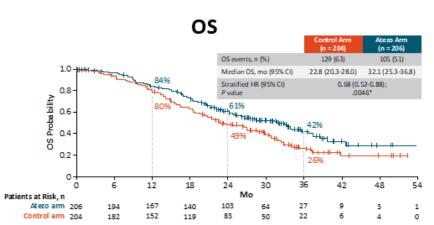
Characteristic,	, n (%)	Control Arm (n = 204)	Atezo Arm (n = 206)
Disease status	Metastatic/stage IVBRecurrentPersistent	47 (23) 151 (74) 6 (3)	43 (21) 150 (73) 13 (6)
Disease location at screening	Pelvic + distantDistant onlyPelvic only	90 (44) 74 (36) 40 (20)	102 (50) 71 (34) 33 (16)
Primary treatment	cCRTSurgery + CRTSurgery and/or RTNone	85 (42) 44 (22) 28 (14) 47 (23)	70 (34) 64 (31) 16 (8) 56 (27)

Oaknin A et al, The Lancet 2024

BEATCC

Efficacy – PFS and OS

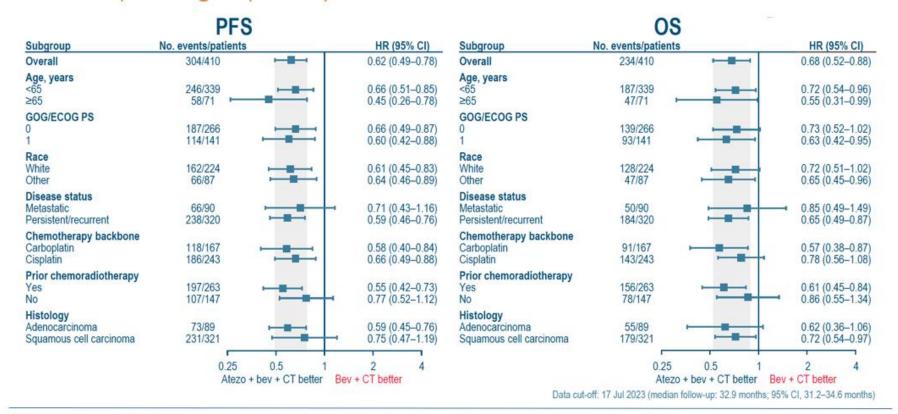




Oaknin A et al, The Lancet 2024

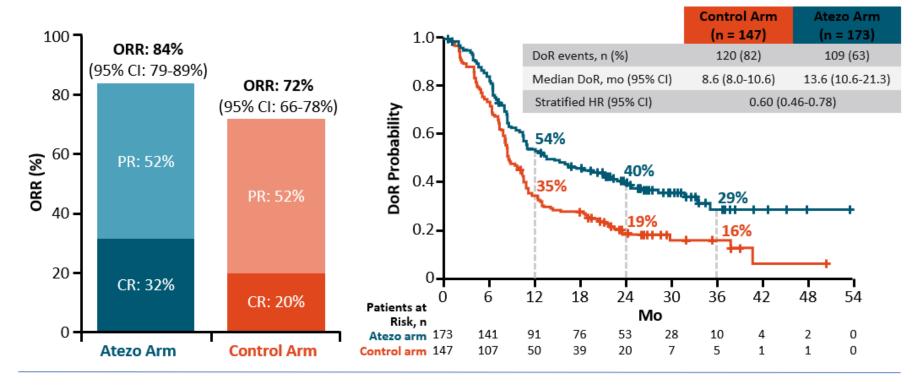
BEATCC

Efficacy – Subgroup Analyses



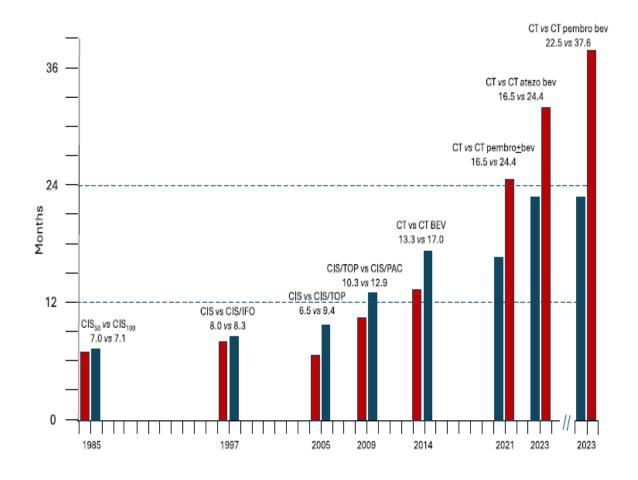
Oaknin, A et al, The Lancet, 2024





Oaknin A, et al, The Lancet 2024

Summary of median overall survival gains in first line recurrent/metastatic cervical cancer over time.



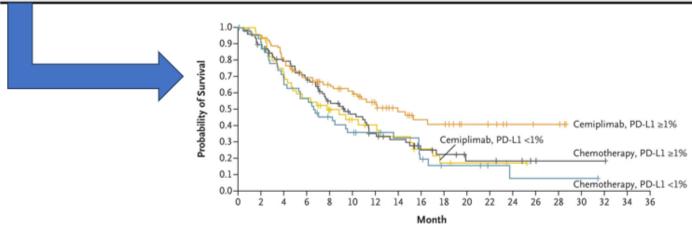
Duska LR, Podwika SE, Randall LM. Cancer. 2024;130(15):2571-2576.

Metastatic Cervical Cancer: Second Line

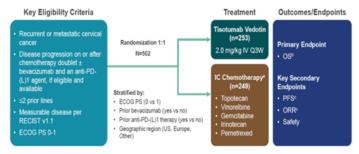
Options

Limited Role for IO in the 2L+ R/M CC Setting

Study	Anti-PD-1	N	ORR in PD-L1+	mPFS	mOS
KEYNOTE-158	Pembrolizumab	98	17%	3	11
NCT03495882	Balstilimab	155	33%	~3mo	~12mo
EMPOWER CERVICAL-1	Cemiplimab	304	21%	2.9	12



Phase 3 InnovaTV 301 /ENGOT-cx12/GOG-3057 Trial: Study Design



- Data presented herein are a planned interim analysis

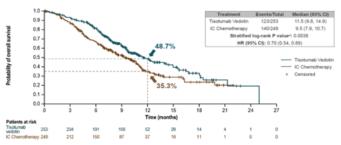
IC, investigator's choice; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; Q3W, every 3 weeks. End of treatment visit occurred 30 days after the last dose of treatment.

Survival follow-up occurred every 60 days after the last dose of treatment.

*Chemotherapy regimens were administered at the following doses: topolican, 1 or 125 mg/m² N/, on Day 10 5 of a 21-day cycle; vinorebine, 30 mg/m² N on Days 1 and 8 of a 21-day cycle; genotabine, 1000 mg/m² N on Days 1 and 8 of a 21-day cycle; innotican 100 or 125 mg/m² N OW x 28 days every 42 days, pernetward 500 mg/m² on Day 1 of a 21-day cycle. *VOS was defined as the time from the date of monomization to the date of death due to any cause. *Nessessed by investigator.

Vergote I, et al, NEJM 2024

InnovaTV 301: Primary Endpoint Overall Survival



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

Vergote I, et al, NEJM 2024

InnovaTV 205/GOG-3024 ORR

First-Line Median Follow-Up: 18.8 Months First-Line Median Follow-Up: 14.6 Months Second-or-Third Line Median Follow-Up: 15.0 Months

Efficacy Parameter	Tisotumab + Pembrolizumab (N=32*)
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) 14.8 (43.8) 1 (3.1) 4 (12.5)
DCR*, % [95% CI]	84.4 [67.2 - 94.7]
Median DORb, months (range)	NR (2.8-21.9+)

median Follow-Up: 14.6 Months		
Efficacy Parameter	Tisotumab + Carboplatin (N=33*)	
Confirmed ORR, % [95% CI] Complete Response Partial Response Stable Disease Progressive Disease Not Evaluable	54.5 [36.4-71.9] 4 (12.1) 14 (42.4) 12 (36.4) 2 (6.1) 1 (3.0)	
DCR*, % [95% CI]	90.9 [75.7-98.1]	
Median DOR ^b , months (range)	8.6 (4.2-11.5)	

median Follow-op. 13.0 months	
Efficacy Parameter	Tisotumab + Pembrolizumab (N=34*)
Confirmed ORR, % [95% CI] Complete Response Partial Response Stable Disease Progressive Disease Not Evaluable	38.2 [22.2 – 56.4] 3 (8.8) 10 (29.4) 12 (35.3) 7 (20.6) 2 (5.9)
DCR*, % [95% CI]	73.5 [55.6-87.1]
Median DORb, months (range)	14.0 (2.8-NR)

Vergote I, et al, JCO, 2023

R, not reached

"One patient was excluded from the full analysis set as he/she had no target lesions at baseline

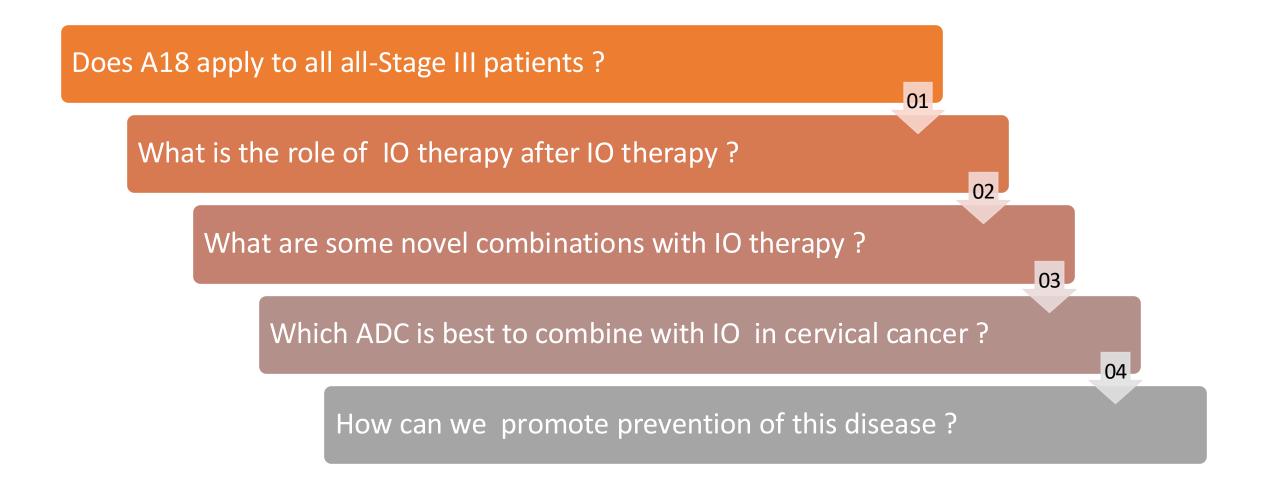
*Defined as stable disease (SD), at least 5 weeks after the first dose of study treatment, or confirmed CR or PR

NCCN guidelines 2025

SYSTEMIC THERAPY FOR CERVICAL CANCER^{a,b}

Squamous Cell Carcinoma, Adenocarcinoma, or Adenosquamous Carcinoma		
Chemoradiation ^c	Recurrent or Metastatic Disease	
	First-line Therapy ^{c,g}	Second-line or Subsequent Therapy ^{g,j}
Preferred Regimens Cisplatin + pembrolizumabd,e,f,1 category 1: FIGO 2014 Stage III-IVA category 2B: FIGO 2018 stage III-IVA Carboplatin + pembrolizumabd,e,f,1 if cisplatin intolerant category 1: FIGO 2014 Stage III-IVA category 2B: FIGO 2018 stage III-IVA category 2B: FIGO 2018 stage III-IVA Cisplatin Carboplatin if cisplatin intolerant Other Recommended Regimens (if single agent cisplatin and carboplatin are unavailable) Capecitabine/mitomycin ² Gemcitabine ³ Paclitaxel ^{4,5}	Preferred Regimens PD-L1-positive tumors Pembrolizumab + cisplatin/paclitaxel ± bevacizumab (category 1)e,f,h,6 Pembrolizumab + carboplatin/paclitaxel ± bevacizumab (category 1)e,f,h,6 Cisplatin/paclitaxel/bevacizumabe,7 (category 1) Carboplatin/paclitaxel/bevacizumabe Atezolizumab + cisplatin/paclitaxel + bevacizumab (category 1)e,f,l,8 Atezolizumab + carboplatin/paclitaxel + bevacizumab (category 1)e,f,l,8 Cisplatin/paclitaxel (category 1)9,10 Carboplatin/paclitaxel (category 1)9,10 Carboplatin/paclitaxel (rotegory 1)9,10 Carboplatin/paclitaxel (rotegory 1)9,10 Carboplatin/paclitaxel (rotegory 1)9,10 Carboplatin/paclitaxel/bevacizumabe,7,13 (category 1) Topotecan/paclitaxel/bevacizumabe,7,13 (category 1) Topotecan/paclitaxel/13 Cisplatin/topotecan13 Cisplatin Carboplatin 14,15	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,l,22} HER2-positive tumors (IHC 3+ or 2+) Fam-trastuzumab deruxtecan-nxki ²³ HER2-mutant Neratinib ²⁴ RET gene fusion-positive tumors Selpercatinib NTRK gene fusion-positive tumors Larotrectinib Entrectinib Repotrectinib Repotrectinib ^{m,25}

Answers: YES Coupled with Questions





Thank you