

Advanced Cervical Cancer Patients Value Disease Control in Addition to Overall Survival in **Treatment Decision-making: A US Patient Preference Study**

Thaker PH, MD¹; Lu H, PhD², Ting J, PhD MSPH³, Zhang YJ,PhD³, Trapali M, MSc², Swinburn P, MRes², Pothuri B, MD⁴ ¹ Washington University School of Medicine and Siteman Cancer Center, NYU Langone Health, NYU Grossman School of Medicine. NY, New York, USA; ⁴Perlmutter Cancer Center, NYU Langone Health, NYU Grossman School of Medicine. NY, New York, USA;

Background

- Advanced cervical cancer (including locally advanced and recurrent/metastatic disease) treatment landscape have evolved rapidly with new therapy options across multiple treatment settings.¹⁻⁵
- Patient's preference has been recognized to facilitate joint-decision making in treatment selection, in a number of diseases including other cancer types.

Methods

- A total of N=150 adult women (≥18 years) in the US with self-reported diagnosis of r/mCC (stage IVb, or ineligible for treatment with curative intent) were invited to participate in a 30-minute online discrete choice experiment (DCE) between July and September 2023
- Before the main DCE, the questionnaire and instrument were pre-tested and refined during cognitive interviews (10 r/mCC patients) and a quantitative pilot (30 r/mCC patients).
- Study participants completed two consecutive DCEs, whose attributes and levels were combined using a D-efficient design to ensure trade-offs.
- DCE 1 involved choosing between hypothetical treatment options to quantify the relative importance placed on key efficacy and safety attributes when deciding to receive a novel r/mCC treatment (Figure 1).
- DCE 2 explored willingness to accept a risk mitigation step together with a fixed profile treatment plan. The care plan choice was described in terms of accessibility of eye drops, number of doctor visits, and out-of-pocket cost per treatment cycle.
- Responses were analyzed using mixed logit models.

Figure 1. Example of DCE 1 (Treatment Choice)			
	Treatment A	Treatment B	
Survival rate at 12 months	40 out of 100 patients (40%)	60 out of 100 patients (60%)	
Chance of treatment shrinking or preventing tumor growth	Tumor shrinks or disappears entirely: 10 out of 100 patients (10%) Tumor doesn't grow: 20 out of 100 patients (20%)	Tumor shrinks or disappears entirely: 20 out of 100 patients (20%) Tumor doesn't grow: 50 out of 100 patients (50%)	
Tingling, numbness, pain, swelling, or weakness in your limbs	Mild or moderate: You may experience constant tingling or numbness, or noticeable subtle pain in your hands or feet	Severe: You may experience weakness or the inability to use your limbs without difficulty (e.g., needing walking assistance)	
Corneal side effects	E FP LPC Not noticeable: you do not feel any discomfort in your eyes or a change in vision	E FP LPC Severe: You may experience trouble seeing and feel severe pain in the eye that interferes with your normal daily activities.	
Conjunctival side effects	Mild or moderate: You may experience irritation and an urge to rub your eyes, increased tearing, or difficulties with your vision	No known risk: You do not feel any discomfort in your eyes or a change in vision	
Please choose your preferred option			

THE POWER OF SHARED PURPOSE: Transforming Gynecologic Cancer Care

Objectives

- make regarding efficacy, safety, and convenience of their treatment

Results



*** *P*<0.1%; ** *P*<1%; * *P*<5%

Fig. 2A: Impact of changes within each attribute on participants' treatment preferences (N=150). Utilities link an improvement in an attribute level (e.g., an increase in survival rate from 25% to 40%) to preferences. Higher utilities indicate a higher desirability, but the absolute value of utility cannot be interpreted. The chart shows the estimated effects of the attribute over the range used in the DCE. Black bars show the 95% CI for each utility value. The model had a good fit (adjusted McFadden $R^2 = 22.1\%$) and was able to explain the choices that participants made in the DCE. Fig. 2B: The chart shows the estimated effects of the attribute over the range used in the DCE. Black bars show the 95% CI for each utility value. The model had a good fit (adjusted McFadden R^2 = 49.65%) and was able to explain the choices that participants made in the DCE.

- DCR) were more pronounced, and that for safety attributes were less variable (Figure 2A).
- compensated with better treatment efficacies.
- moderate peripheral neuropathy, corneal, and conjunctival side effects)
- equal (Figure 2B).
- costs (Figure 3).

Reference

1. Tewari KS, et al. N Engl J Med. 2022;386(6):544-555. 2. Monk BJ, et al. J Clin Oncol. 2023;41(16_suppl):5500-5500. 3. Vergote I, et al. Int J Gynecol Cancer. 2021;31(Suppl 3):A1-A1. 4. Coleman RL, et al. Lancet Oncol. 2021;22(5):609-619. 5. Lorusso D, et al. J Clin Oncol. 2020;38(15_suppl):TPS6096-TPS6096.

Disclosures/Acknowledgments The authors would like to thank Nicolas Krucien for scientific input and data analysis, and Peter Seeber and Richard Leason of Evidera, a business unit of PPD, part of Thermo Fisher Scientific, for their editorial and graphic contributions.

Funding provided by Seagen Inc., which was acquired by Pfizer, Inc. in December 2023, and Genmab A/S



• To quantify the trade-offs that recurrent/metastatic cervical cancer (r/mCC) patients are willing to

• To quantify patient preference for attributes related to non-clinical burden of receiving a novel treatment option with ocular adverse events (AEs) requiring a risk-mitigating eye-care plan

• In DCE1, on average, differences in preference for efficacy attributes (survival rate at 12 months or

• Patients in the study would be willing to tolerate risks associated with treatment if adequately

- To tolerate risks of both moderate ocular and peripheral neuropathy AEs, patients would require a treatment that offers an improvement of 12.79% in DCR or 7.93% in the 12-month OS rate.

• A total of 83% of participants were willing the take the fixed profile treatment plan (defined by a 12month OS rate of 51%, tumor shrinkage/disappearance at 24%, no tumor growth at 48%, mild or

• In DCE2, patients significantly preferred a treatment that required fewer doctor visits, all else being

- Willingness to accept a treatment plan is sensitive to both number of clinic visits and out-of-pocket

Table 1. Sociodemographic and Clinical Characteristics			
Characteristics	Overall (N= 150)		
Age (in years)			
Mean (SD)	50.10 (7.82)		
Ethnic background			
Hispanic or Latino	43 (29%)		
Not Hispanic or Latino	97 (65%)		
Prefer not to say	10 (7%)		
Racial background			
White	80 (53%)		
Black or African American	32 (21%)		
Asian or Asian American	6 (4%)		
Native Hawaiian or other Pacific Islander	12 (8%)		
American Indian or Alaska Native	6 (4%)		
Prefer not to say	14 (9%)		
Insurance status			
Employer-provided insurance	46 (31%)		
Self-provided insurance	68 (45%)		
Veterans Affairs/ military healthcare	15 (10%)		
Medicare	6 (4%)		
Medicaid	18 (12%)		
General area where you live			
Urban (in a town or city)	42 (28%)		
Suburban (outside district of a city)	78 (52%)		
Rural (countryside, agricultural community, farmland)	30 (20%)		
Abbreviations: ECOG, Eastern Cooperative Oncology Group; SD, standard deviation			
• The study participants represented a diverse	r/mCC patient		



Conclusions

- benefits.

Poster No. 2280

population in the US (Table I).

• Whilst respondents were willing to make trade-offs when selecting a novel treatment for r/mCC, increases in DCR and OS were considered most important relative to treatment-related risks.

• The results suggest that patients were willing to accept modest logistical demands in order to receive treatment