

Pyxis Oncology MICVO Clinical Update

September 9, 2026



Forward-Looking Statements

This presentation contains forward-looking statements for the purposes of the safe harbor provisions under the Private Securities Litigation Reform Act of 1995 and other federal securities laws. All statements other than statements of historical facts contained in this presentation, including without limitation statements regarding the Company's plans to develop, manufacture and commercialize its product candidate, including micvotabart pelidotin ('MICVO'); preliminary data, timing and progress of the Company's ongoing clinical trials; the expected results of the Company's clinical trials; the ability of preliminary, initial and topline clinical data to de-risk MICVO and be confirmed with clinical trial progression, including the safety, tolerability, and potential efficacy of MICVO; the potential differentiation, advantage or effectiveness of MICVO compared to other approved products or products in development; the dosage and treatment potential of MICVO; the size and future of the market; the plans and objectives of management, and the future results of operations and financial position of the Company, are forward-looking statements. These statements are neither promises nor guarantees, but are statements that involve known and unknown risks, uncertainties and other important factors that are in some cases beyond the Company's control that may cause actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements, including, but not limited to, the following: the risks inherent in drug research and development, the Company's projected cash runway and potential needs for additional funding; the lengthy, expensive, and uncertain process of clinical drug development, including potential delays in or failure to obtain regulatory approvals; the Company's reliance on third parties and collaborators to conduct clinical trials, manufacture its product candidate, and develop and commercialize its product candidate; and the Company's ability to compete successfully against other drug candidates. Accordingly, investors should not rely upon forward-looking statements as predictions of future events. Except as required by applicable law, the Company undertakes no obligation to update publicly or revise any forward-looking statements contained herein, whether as a result of any new information, future events, changed circumstances or otherwise. Additionally, investors should read risk factors in the section titled "Risk Factors" set forth in Part II, Item 1A. of the Company's Quarterly Report on Form 10-Q filed on August 13, 2026, and the Company's other filings, each of which is on file with the Securities and Exchange Commission.

Pyxis Oncology – Meet the Team



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Memorial Sloan Kettering
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Alan L. Ho, MD, PhD, is Chief of the Head and Neck Oncology Service and an attending medical oncologist at Memorial Sloan Kettering Cancer Center. He specializes in the treatment of head and neck cancers, including thyroid, salivary gland, and head and neck squamous cell cancers. Dr. Ho is also a translational clinical researcher whose work focuses on developing innovative and personalized therapies for patients with head and neck malignancies.

MICVO is Uniquely Positioned to Become a Meaningful Treatment Option for Patients with Cancer

PROGRAM	FIRST-IN-CONCEPT ADC Novel ADC target in the tumor extracellular matrix
NEED	SIGNIFICANT UNMET NEED IN 2L+ HNSCC DRIVEN BY POTENTIAL CHANGE IN 1L Inadequate options for 2L+ HNSCC; 21K+ US patients by 2030, >\$4B US Total Addressable Market (TAM)
STUDY	EVALUATE MICVO IN 2L+ HNSCC AFTER CURRENT & POTENTIAL FUTURE 1L TREATMENTS Assess impact of prior therapy and HPV status
RESULTS	SUBSTANTIAL EFFICACY IMPROVEMENT WITH MANAGEABLE SAFETY Meaningful survival and response benefit and a safety profile consistent with approved ADCs
PATH FORWARD	PIVOTAL-READY, ROOM TO EXPAND Phase 3 initiation planned for mid-2027; potential to develop beyond 2L+ HNSCC

Micvotabart Pelidotin (MICVO)

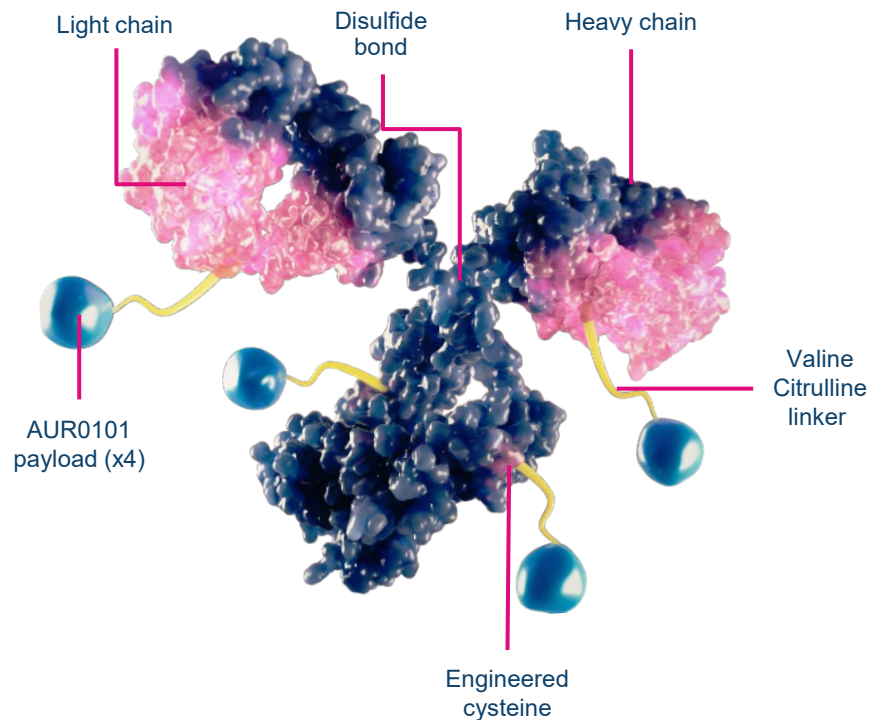
First-in-Concept ADC Designed to Target EDB+FN in the Tumor Extracellular Matrix



MICVO is the First ADC with a Target in the Tumor ECM, Not on the Cell Surface

Composed of a mAb targeting EDB+FN with site-specific protease-cleavable linkers and optimized auristatin payloads

MICVO Construct



Key Potential Advantages

PURPOSE-BUILT

- Structural integrity with **high avidity-driven binding**
- **Site-specific, extracellular cleavable valine citrulline linkers**

PREDICTABLE

- **Uniform DAR of 4** potential provides improved therapeutic window
- **Reduced free payload in serum**, $C_{\max} \sim 4$ days post administration

POTENT

- Four **optimized auristatin 0101** microtubule directed payloads
- Designed to maximize **broad tumor-killing and biological potency**

PERMEABLE

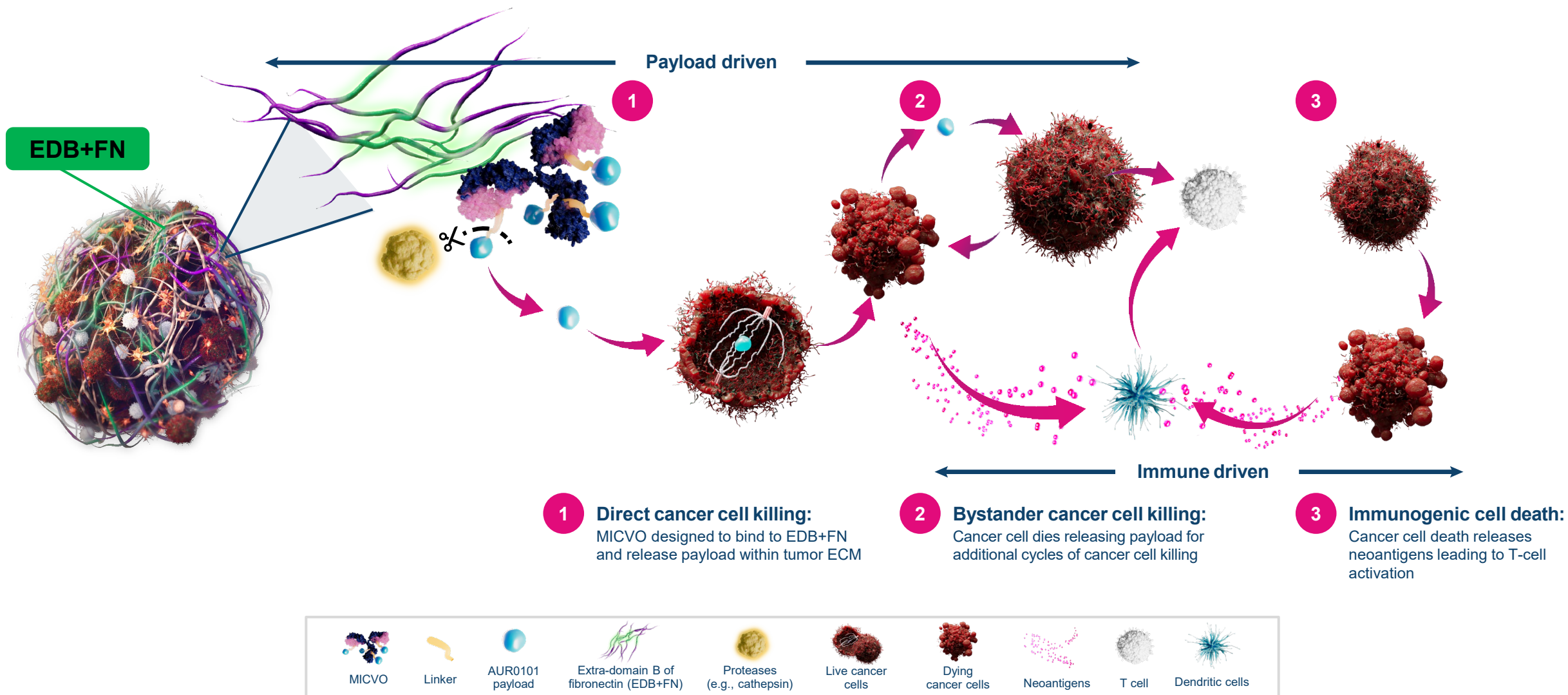
- Optimized membrane diffusion to enhance **bystander killing**
- **Rapid payload clearance to potentially reduce off-target effects**

Abbreviations: ADC: antibody-drug conjugate; ECM: extracellular matrix; mAb: monoclonal antibody; EDB+FN: extra domain B of fibronectin; DAR: drug-antibody ratio; AUR0101: auristatin 0101; $C_{\max}$: maximum (peak) serum concentration.

Sources: Pini A, et al. Design and use of a phage display library. Human antibodies with subnanomolar affinity against a marker of angiogenesis eluted from a two-dimensional gel. J Biol Chem. 1998; Hooper, et al. Anti-Extra Domain B Splice Variant of Fibronectin Antibody-Drug Conjugate Eliminates Tumors with Enhanced Efficacy When Combined with Checkpoint Blockade. Mol Cancer Ther. 2022 Sep 6;2(9):462-472; Maderna A, et al. Discovery of cytotoxic dolastatin 10 analogues with N-terminal modifications. J Med Chem. 2004 Dec

MICVO Designed to Deliver Potent Anti-Tumor Activity Through Three-Pronged MOA

MICVO is designed for extracellular linker cleavage in the TME which initiates the MOA



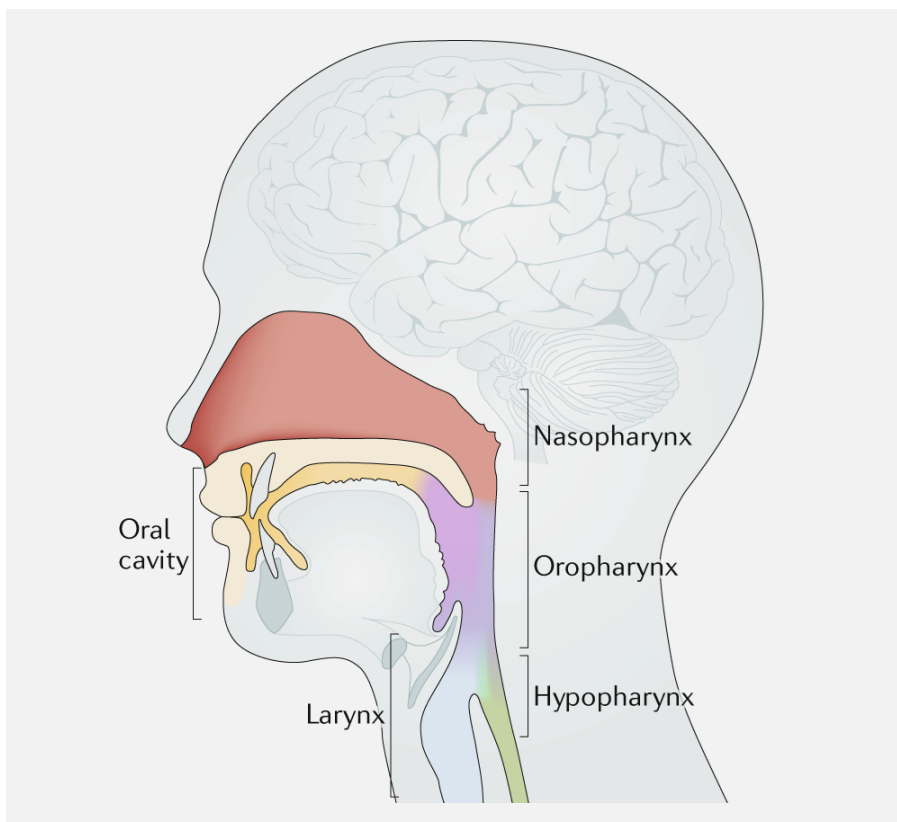
Abbreviations: MOA: mechanism of action; TME: tumor microenvironment; ECM: extracellular matrix; EDB+FN: extra domain B of fibronectin; AUR0101: auristatin 0101;

Sources: Hooper A et al., Mol Cancer Ther. (2022) 2(9):462-472; Maderna A et al., J Med Chem (2024) 57: 0527-0543; Shen C. et al., Mol Cancer Ther (2025) 24 (0_Supplement): A6; Facklam A et al., Cancer Res (2025) 85 (8_Supplement_): 320; Severe N et al., Cancer Res (2024) 84 (6_Supplement): 742; Rodriguez et al., Cancer Res (2025) 85 (8_Supplement_): 337; Iovino M et al., Mol Cancer Ther (2025) 24 (0_Supplement): A2; Rodriguez et al., Mol Cancer Ther (2025) 24 (0_Supplement): A5.

Rationale to Pursue HNSCC as the Initial Tumor Type to Investigate with MICVO

HNSCC

Key Supporting Data



TME FEATURES

- **Robust expression** of EDB+FN in HNSCC tumor stroma
- **Immune inflamed**
- **Mature stroma** containing straight, angular ECM fibers

IN VIVO EFFICACY DATA

- **Anti-tumor activity in multiple HNSCC PDX models**, with higher expression of enzyme and stromal gene signatures
- **Anti-tumor activity observed in an immune-refractory HNSCC syngeneic model**
- **Promotes a favorable immune TME**

CLINICAL SIGNAL

- Strong monotherapy **signal in dose escalation confirmed in 2L+ expansion cohort**
- Efficacy observed **regardless of HPV status or prior therapy**
- Encouraging **activity in 1L combination with pembrolizumab**

Similar TME features, in vivo efficacy data, and clinical signals observed in multiple solid tumors

Unmet Need & Opportunity in 2L+ R/M HNSCC

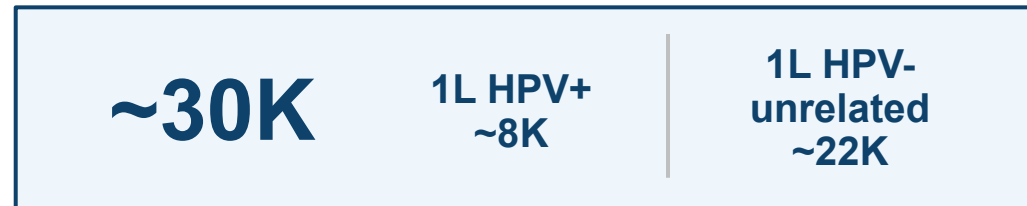


By 2030, an Evolving 1L Landscape and Inadequate Treatment Options in 2L+ Create Significant Unmet Need

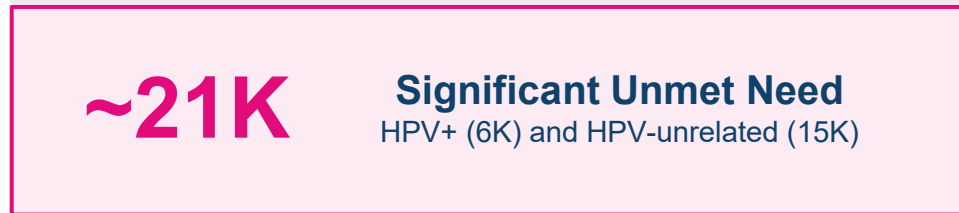
Next-gen EGFRi therapies emerging in 1L create significant demand for non-EGFRi mechanism in 2L+

HNSCC: 7th Most Common Oncology Tumor Type¹

2030 US Incidence



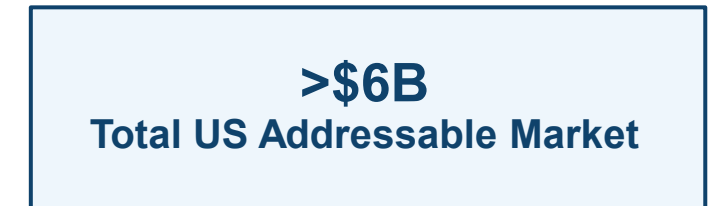
70% progress to 2L



40% progress to 3L

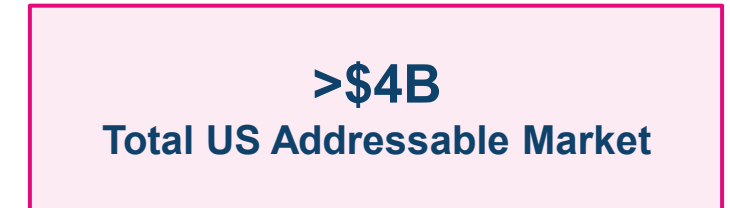


2030 US H&N Opportunity



New 1L therapies driving need for novel 2L options

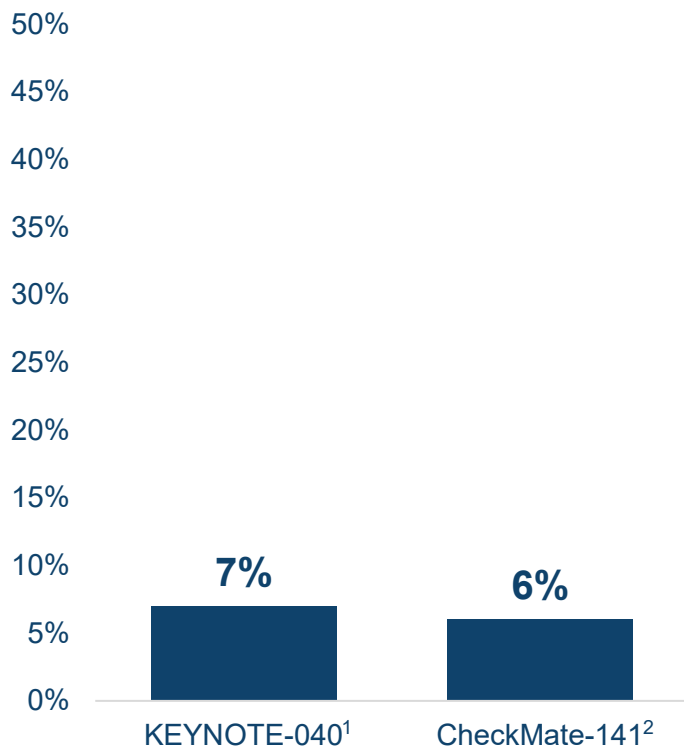
Chemotherapy produces modest benefit



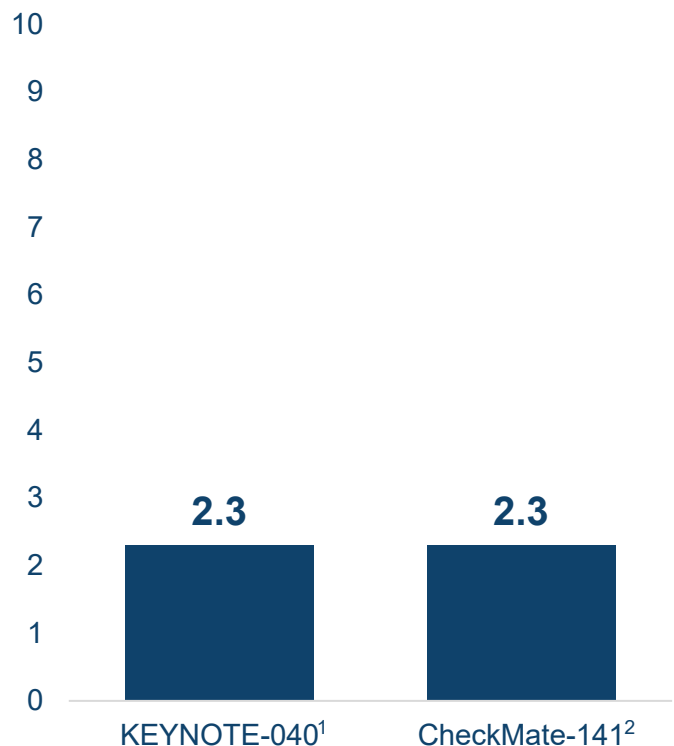
Limited Options Exist for Efficacious and Durable Therapies in 2L+ HNSCC

Control arm data from 2L+ R/M HNSCC randomized trials show modest benefit

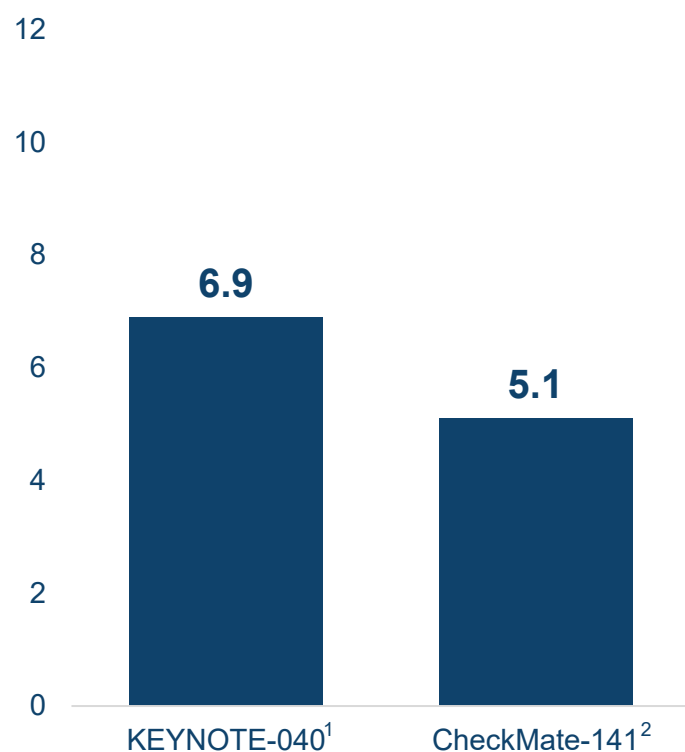
Confirmed ORR (%)



Median PFS (months)



Median OS (months)



Abbreviations: ORR: objective response rate; PFS: progression-free survival; OS: overall survival; N/n: number of patients.

Note: This analysis is the aggregation of results across independent studies. There are risks inherent in conducting cross-trial comparisons. Refer to further disclaimers on slide 2.

Sources: 1. KEYNOTE-040: Control arm (N=248) included Cetuximab/Docetaxel/Methotrexate; Pembrolizumab arm observed cORR=11%; mPFS=2.1 months; mOS=8.4 months (N=247)

2. CheckMate-141: Control arm (N=121) included Cetuximab/Docetaxel/Methotrexate; Nivolumab arm observed cORR=13%; mPFS=2 months; mOS=7.7 months (N=240)

Unlocking the Potential of a First-in-Concept ADC

HNSCC Identified as Initial Tumor Type for Clinical Development



MICVO's Global Development Advanced from Dose Escalation to Expansion in R/M HNSCC with a Dose Cap

Expansion arm 1 and 2 designed to study MICVO after current and potential future 1L treatments

PART 1 [Dose Escalation]

Monotherapy ➔

**Dose
escalation
including
R/M HNSCC**

2024

NOV 2024

Mono Dose Escalation

- ✓ **Established dose range** of 3.6–5.4 mg/kg
- ✓ **Initiated expansion** at 5.4 mg/kg in R/M HNSCC

PART 2 [Dose Expansion]

ARM 1

2L+ R/M HNSCC dose expansion — post-platinum & anti-PD-(L)1

Target enrollment N~20

ARM 2

2L+ R/M HNSCC dose expansion — post-EGFRi & anti-PD-(L)1

Target enrollment N~20

2025

DEC 2025

Preliminary Mono Dose Expansion

- ✓ **Compelling efficacy** data in 2L+ R/M HNSCC (46% cORR) (HPV- and prior therapy- agnostic)
- ✓ **Implementation of dose cap** to mitigate toxicities observed in high body weight patients

2026

SEP 2026

Mono Dose Expansion with a Dose Cap

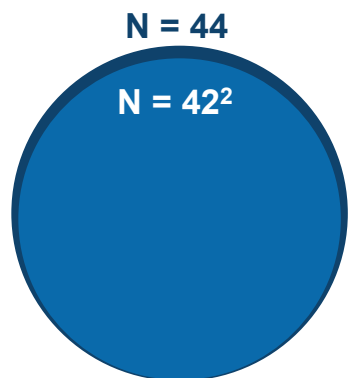
- ✓ **Dose cap unlocks MICVO's full potential** at 5.4 mg/kg
- ✓ **Compelling efficacy data with manageable safety**

Interim Data Analyses Focus on Patients Treated at or Below a Dose Cap

Key Inclusion Criteria

- Histologically or cytologically confirmed HNSCC
- Primary tumor location is Oropharynx, Hypopharynx, Larynx, or Oral Cavity¹
- R/M disease progressed on/after platinum-based therapy and a PD-(L)1 inhibitor
- RECIST v1.1 measurable disease
- ECOG PS 0-1

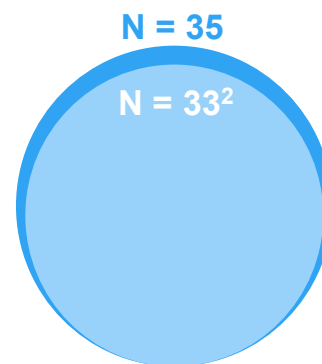
All Patients to Dose Cap Subgroup



All Patients - 5.4 mg/kg

Definition: All patients dosed

Safety Analysis	N = 44
Efficacy Evaluable	N = 42 ²



Dose Cap Subgroup - 5.4 mg/kg

Definition: Males receiving dose ≤ 432mg (80kg);
Females receiving dose ≤ 378mg (70kg)

Safety Analysis	N = 35
Efficacy Evaluable	N = 33 ²

Efficacy Evaluable Definition
Patients who met all three of the following criteria:

1. Received ≥1 dose of MICVO
2. Had a baseline disease assessment
3. Had at least 1 post-baseline disease assessment evaluable per RECIST v1.1 and/or discontinued treatment due to death or disease progression

Abbreviations: RECIST: Response Evaluation Criteria in Solid Tumors; N: number of patients.

Notes: 1. Two verrucous subtype patients are excluded for all patient group and one patient from dose cap group; these patients are typically chemo-resistant and managed by surgical resection – January 2026 amendment excluded verrucous patients from dose expansion. 2. Two patients excluded for efficacy evaluation as both discontinued treatment for reasons other than PD or death and had no post-baseline scan.

Dose Cap Patient Demographics and Disease Characteristics

Evenly proportioned HPV population reflects poor performance, heavily pre-treated and emerging EGFRi-experienced

2L+ R/M HNSCC	Dose Cap (N=35)
Race, n (%)	
White	29 (82.9%)
Black or African American	2 (5.7%)
Asian	1 (2.9%)
Native Hawaiian or Other	1 (2.9%)
Not reported/Unknown	2 (5.7%)
Age (years)	
Median (min-max)	65 (41-74)
Baseline Weight (kg)	
Median (min-max)	66.8 (47.8-99.2)
Calculated BMI (kg/m2)	
Median (min-max)	22.4 (18.8-31.3)
Gender, n (%)	
Male	29 (82.9%)
Female	6 (17.1%)
Baseline ECOG Performance Status, n (%)	
0	12 (34.3%)
1	23 (65.7%)

2L+ R/M HNSCC	Dose Cap (N=35)
Primary Cancer Site, n (%)	
Oropharynx	22 (62.9%)
Oral cavity	6 (17.1%)
Larynx	7 (20.0%)
HPV Status (local)	
HPV+ Oropharyngeal SCC, n (%)	18 (51.4%)
HPV-Unrelated, n (%)	17 (48.6%)
Prior Systemic Therapy, Median Lines (min-max)	3 (1-5)
Prior Systemic Therapy in R/M Setting, Median Lines (min-max)	2 (1-4)
Taxane, n (%)	25 (71.4%)
Platinum, n (%)	35 (100.0%)
Anti-PD-(L)1 Agent, n (%)	35 (100.0%)
EGFRi, n (%)	20 (57.1%)
Cetuximab ¹	15
Petosemtamab ¹	3
Ficerafusp alpha ¹	2

MICVO Monotherapy Showed Best-in-Disease Potential in 2L+ R/M HNSCC

5.4 mg/kg Q3W with Dose Cap



MICVO Achieved Substantial Survival Benefit Regardless of Prior Therapy or HPV Status

Rapid and deep responses achieved with a manageable safety profile



Rapid and Deep Responses

36% cORR | 94% DCR

75% of responders achieved response at the first scan

83% responders achieved >50% reduction in tumor size¹



Substantial Survival

6.2 months mPFS

79% 12-month OS probability

Benefit achieved across HPV status and prior-treatment subgroups



Manageable Safety

No new safety signals²

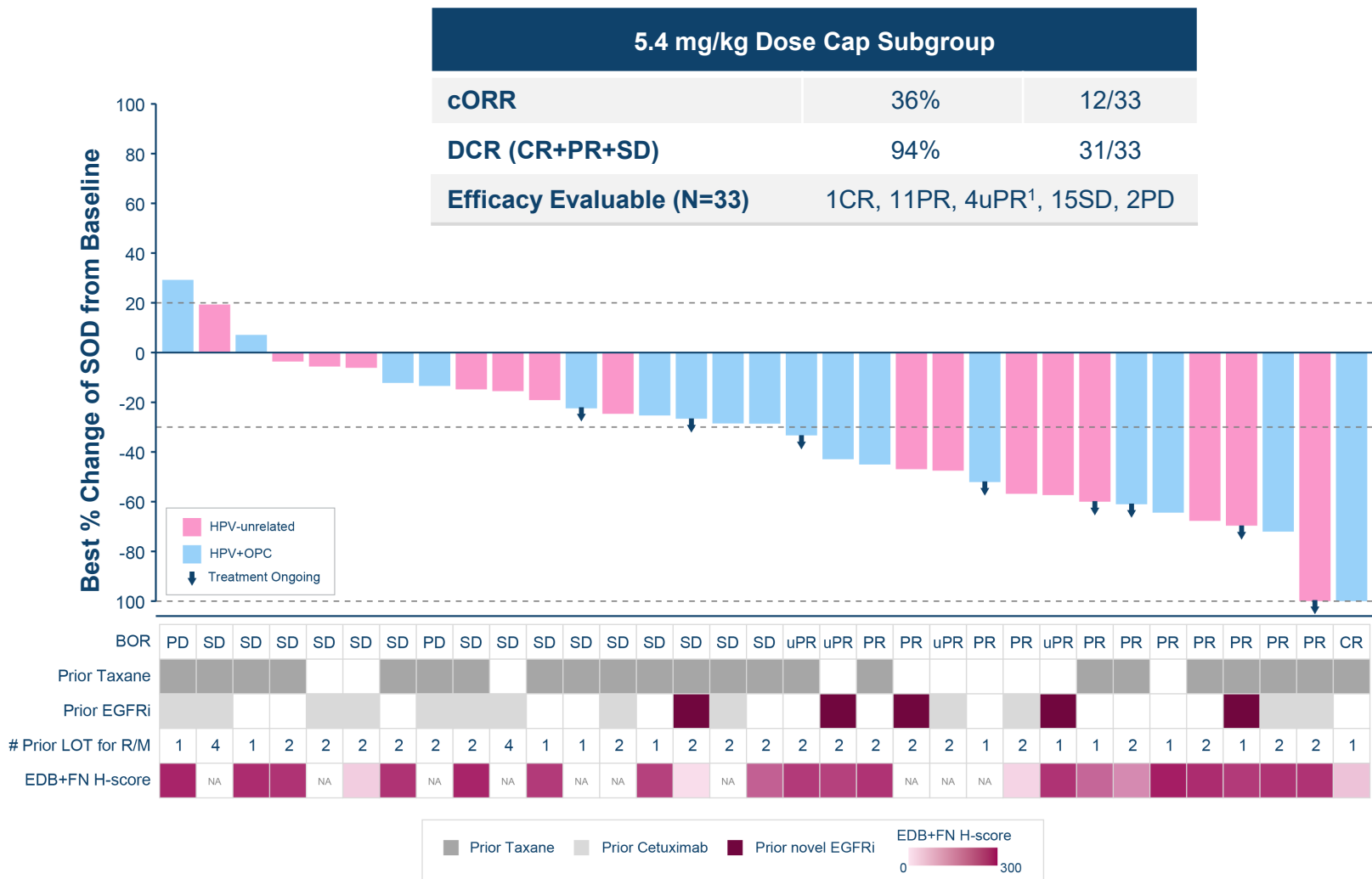
Tolerability profile expected & consistent with prolonged Auristatin exposure

Dose cap reduced the frequency and severity of safety events in high body weight patients

Emerging profile supports **rapid initiation of a pivotal trial**

MICVO Consistently Achieved Robust Response Rates Across Key Patient Subgroups

2L+ R/M HNSCC



HPV Status	
35% cORR HPV+ OPC (N=17)	38% cORR HPV-Unrelated (N=16)

Prior EGFRi	
28% cORR Yes (N=18)	47% cORR No (N=15)
Among the 18 patients with prior EGFRi, the 5 with a prior novel EGFRi experienced cORR of 40%	

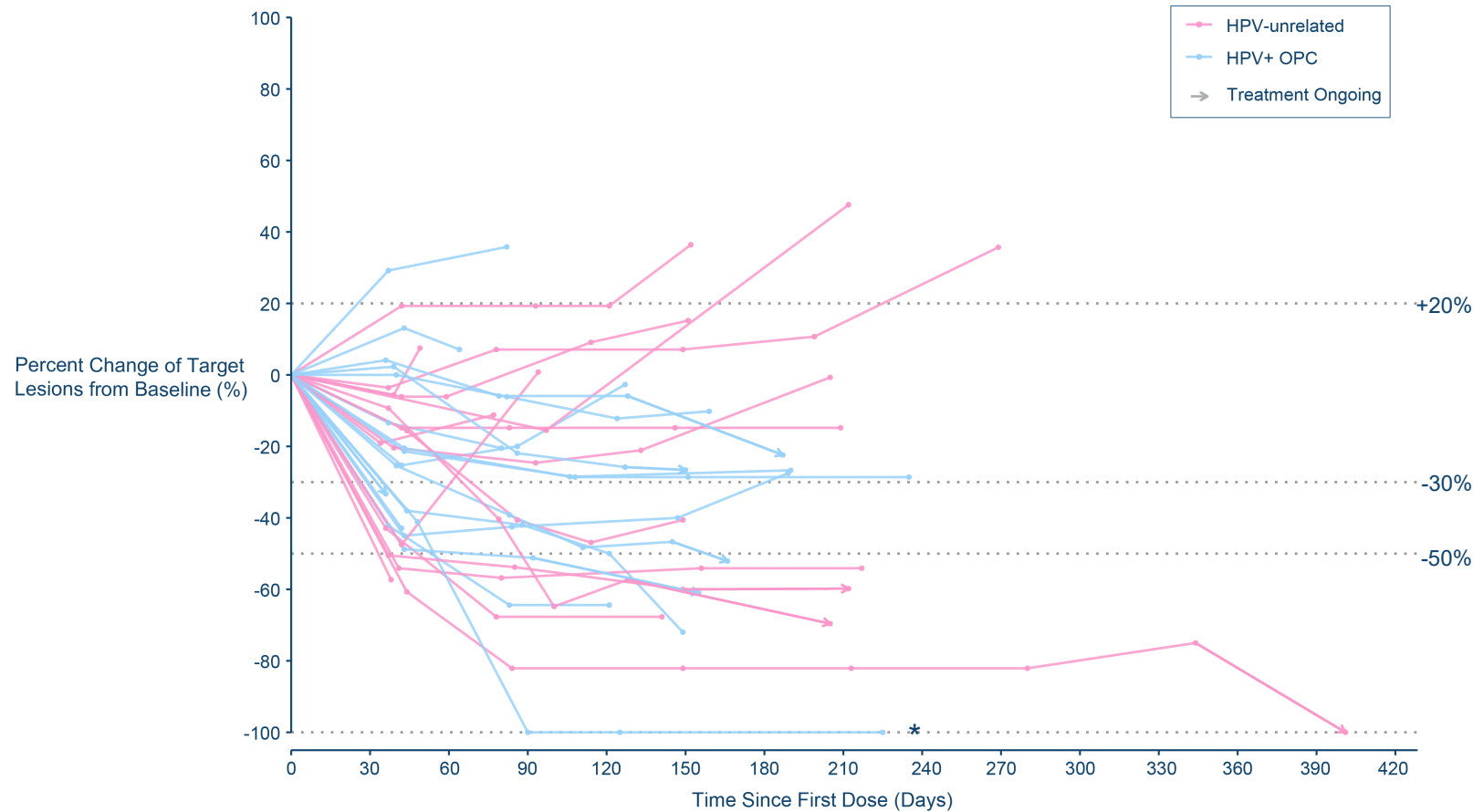
Prior Taxane	
35% cORR Yes (N=23)	40% cORR No (N=10)

Abbreviations: HPV: human papillomavirus; OPC: oropharyngeal cancer; cORR: confirmed objective response rate; c+uORR: ORR including confirmed and all unconfirmed PR/CR; DCR: disease control rate; BOR: best objective response; CR: complete response; PR: partial response; uPR: unconfirmed PR; SD: stable disease; PD: progressive disease; NE: not evaluable; SOD: sum of diameters; EGFRi: EGFR inhibitor; LoT: line of therapy; N/n: number of patients; pts: patients.

Notes: 1. 4 pts with uPR include: N=2 pts had PD on the subsequent scan, N=1 lost to follow-up, and N=1 had 3 subsequent tumor assessment as NE, and the following scan as PD 216 days after their first dose.

MICVO Achieved Rapid and Deep Responses

MICVO 5.4 mg/kg Q3W with Dose Cap



Key Takeaways

RAPID RESPONSES

75%

Responses occurred by first scan

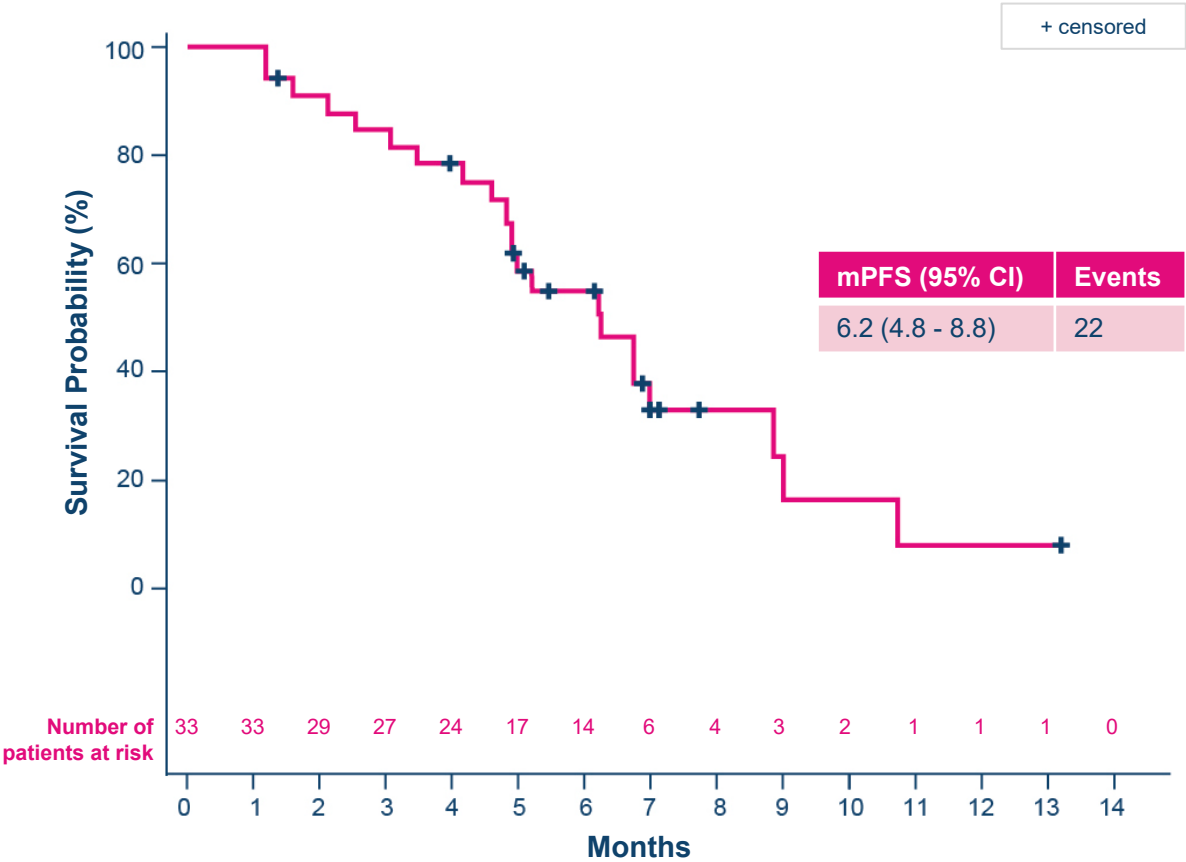
DEEP RESPONSES

83%

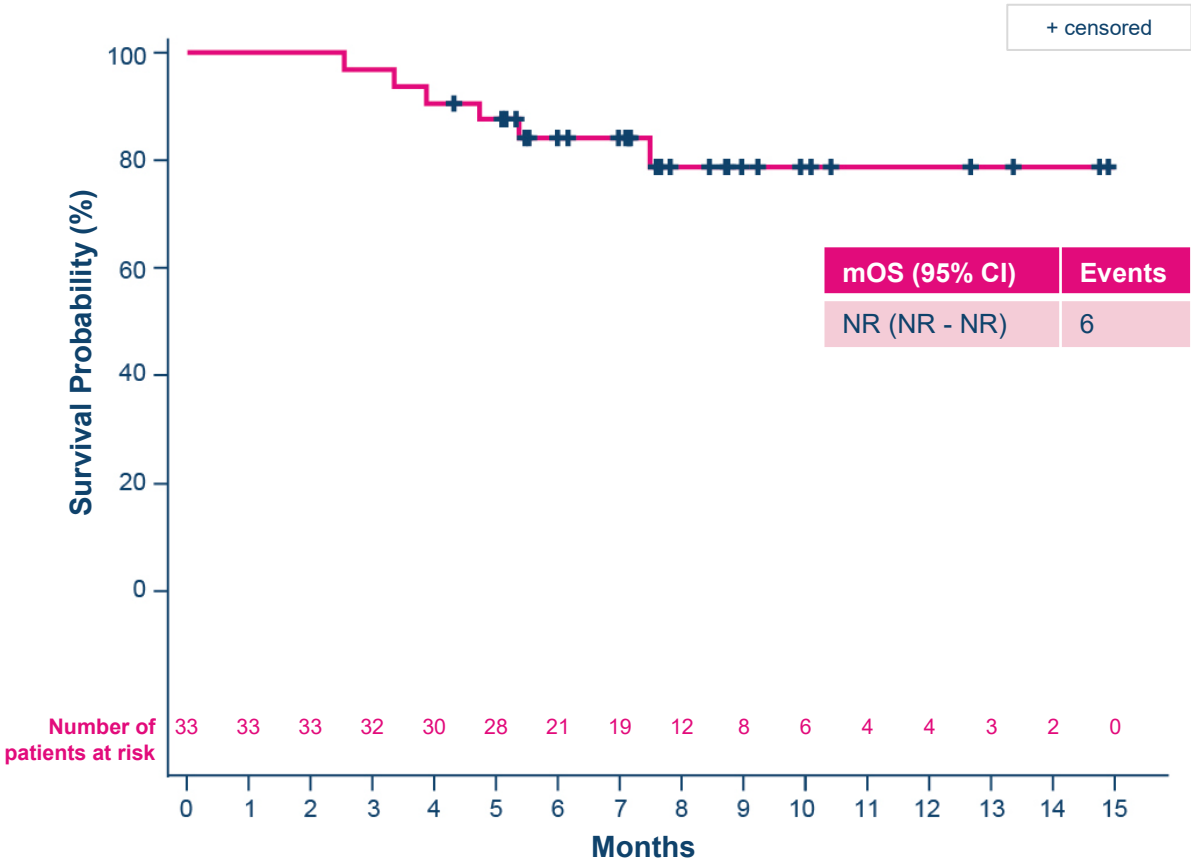
Responders achieved greater than 50% tumor reduction¹

MICVO Demonstrated Substantial Survival Benefit

MICVO 5.4 mg/kg Q3W with Dose Cap	
	Efficacy Evaluable (N=33)
mPFS months, (95% CI)	6.2 months (4.8 - 8.8)
6-month PFS probability %, (95% CI)	54.9% (35.8, 70.4)



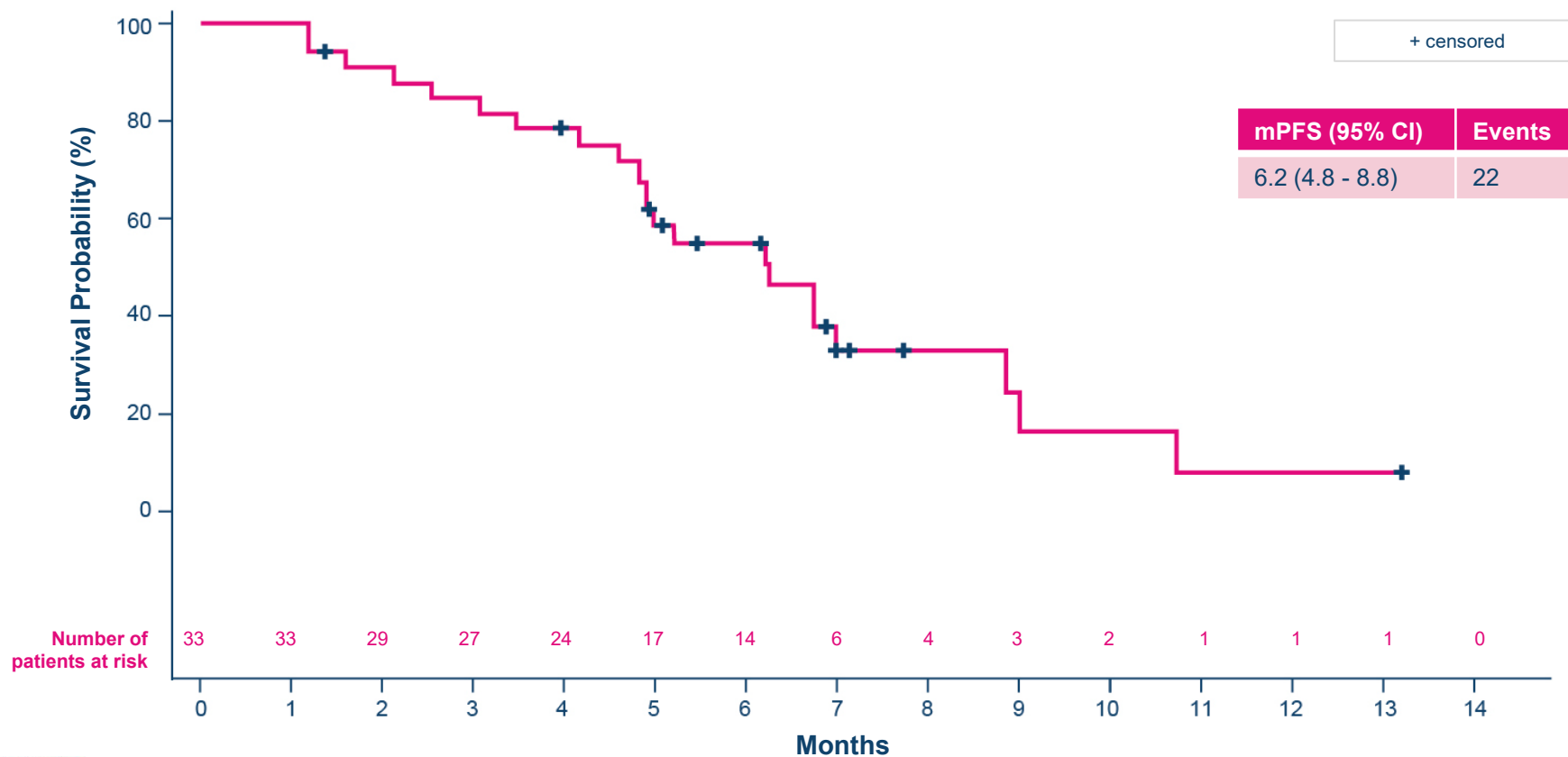
MICVO 5.4 mg/kg Q3W with Dose Cap	
	Efficacy Evaluable (N=33)
mOS months, (95% CI)	NR (NR - NR)
12-month OS probability %, (95% CI)	79.0% (58.1, 90.3)



MICVO Consistently Achieved High Survival Benefit Across Key Patient Subgroups

MICVO 5.4 mg/kg Q3W with Dose Cap

	Efficacy Evaluable (N=33)
mPFS months, (95% CI)	6.2 mos (4.8 – 8.8)
6-month PFS probability (95% CI), %	54.9% (35.8, 70.4)



HPV Status

mPFS: 6.2
HPV+ OPC (N=17)

mPFS: 5.9
HPV-Unrelated (N=16)

Prior EGFRi

mPFS: 5.0
Yes (N=18)

mPFS: 8.8
No (N=15)

Among the 18 patients with prior EGFRi, the 5 with a prior novel EGFRi experienced **mPFS of 5.8 months**

Prior Taxane

mPFS: 6.2
Yes (N=23)

mPFS: 4.9
No (N=10)

Safety Profile Supports Continued Development

2L+ R/M HNSCC

TRAEs

	5.4 mg/kg with Dose Cap (N=35)
Treatment duration – median days (range)	120 (21-470)
All TRAEs	32 (91.4%)
TRAEs of CTCAE Grade ≥ 3	19 (54.3%)
Non-Hematologic TRAEs of CTCAE Grade ≥ 3	15 (42.9%)
Serious TRAEs	5 (14.3%)
TRAEs leading to treatment discontinuation ¹	5 (14.3%)
TRAEs leading to treatment discontinuation days, median (min-max)	162 (104-212)
TRAEs leading to dose reduction	14 (40.0%)
Treatment related deaths (Grade 5)	0

ADC Payload TRAEs of Interest

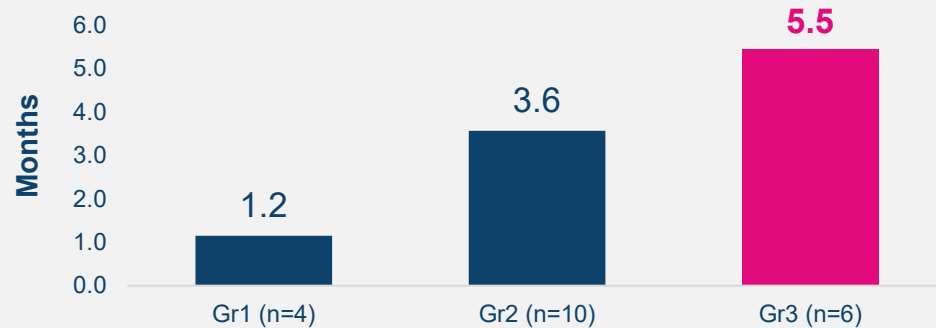
	5.4 mg/kg with Dose Cap (N=35)	
	Gr1/2	Gr3
Cutaneous	17 (48.6%)	2 (5.7%)
Peripheral Neuropathy	14 (40.0%)	6 (17.1%)
Peripheral Neuropathy days to onset, median (min-max)	82 (3-157)	166 (85-197)
Ocular	10 (28.6%)	2 (5.7%)
Pneumonitis	4 (11.4%)	0

Late-Onset, Often Reversible Peripheral Neuropathy Observed in Patients who Experienced Meaningful Clinical Benefit on MICVO

Clinical benefit preceded onset of neuropathy, providing an opportunity for early detection and timely dose modification to preserve therapeutic benefit

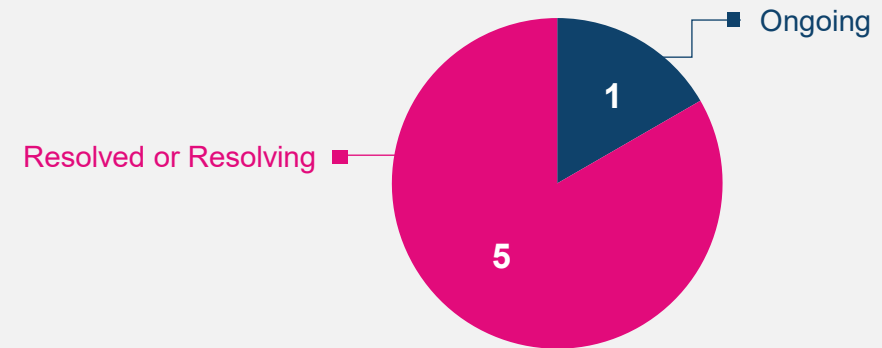
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Time to Gr3 PN Onset is 5+ Months



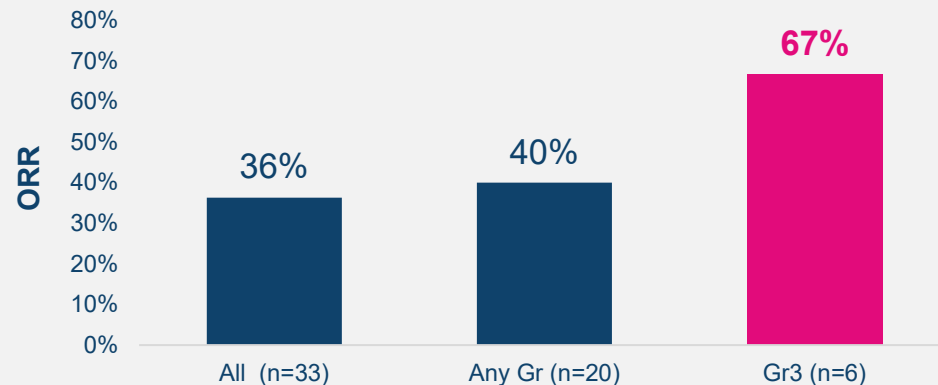
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Majority of Gr3 PN Resolved or Resolving



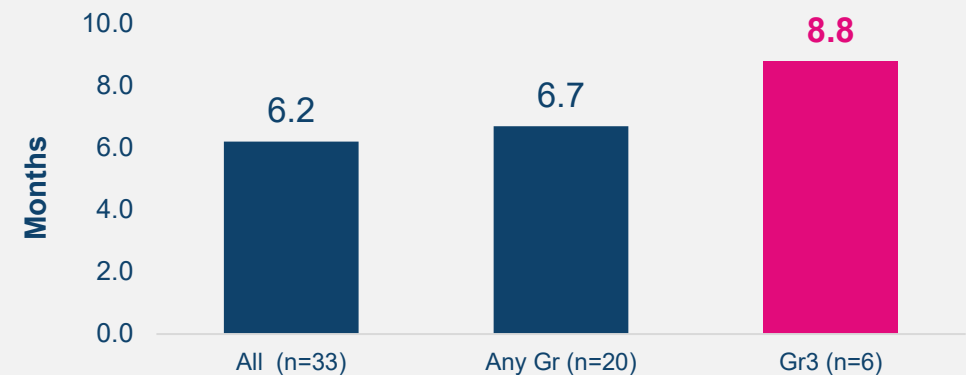
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Gr3 PN Patients Showed 67% cORR



4

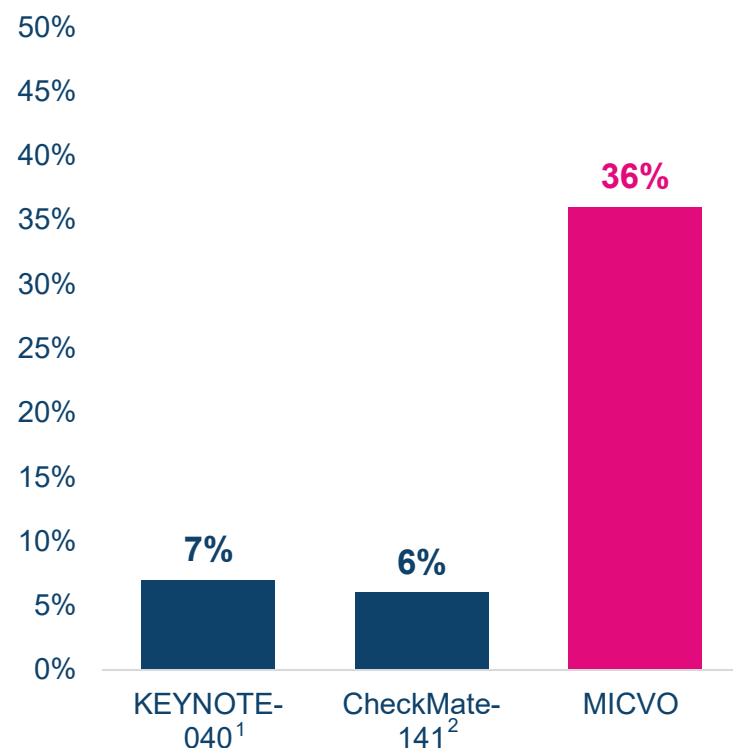
Gr3 PN Patients Showed 8.8 Months mPFS



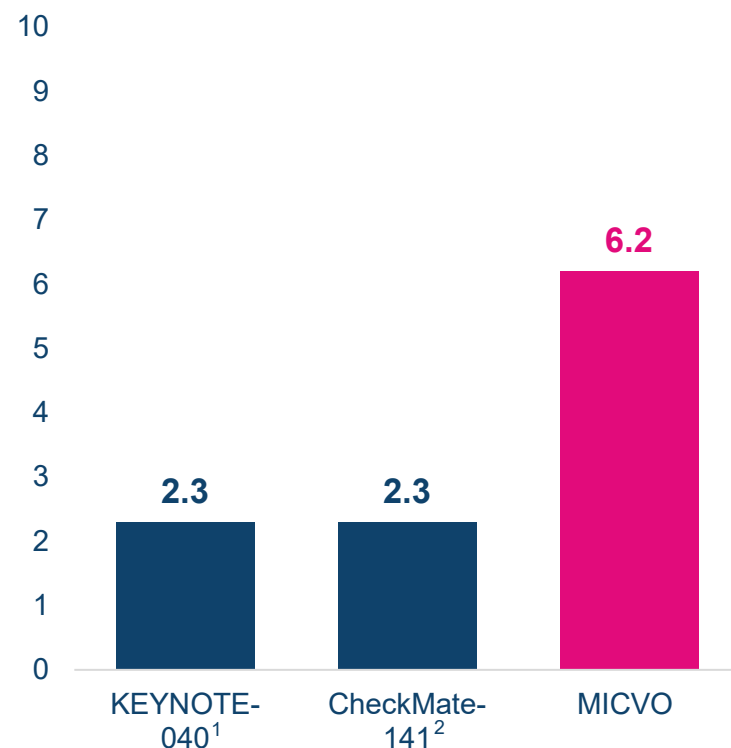
MICVO Response and Survival Benefit Exceeded Benchmarks

MICVO data represented >5X improvement in ORR, >2X improvement on mPFS and significant improvement on mOS compared to historical control arm data in 2L+ R/M HNSCC

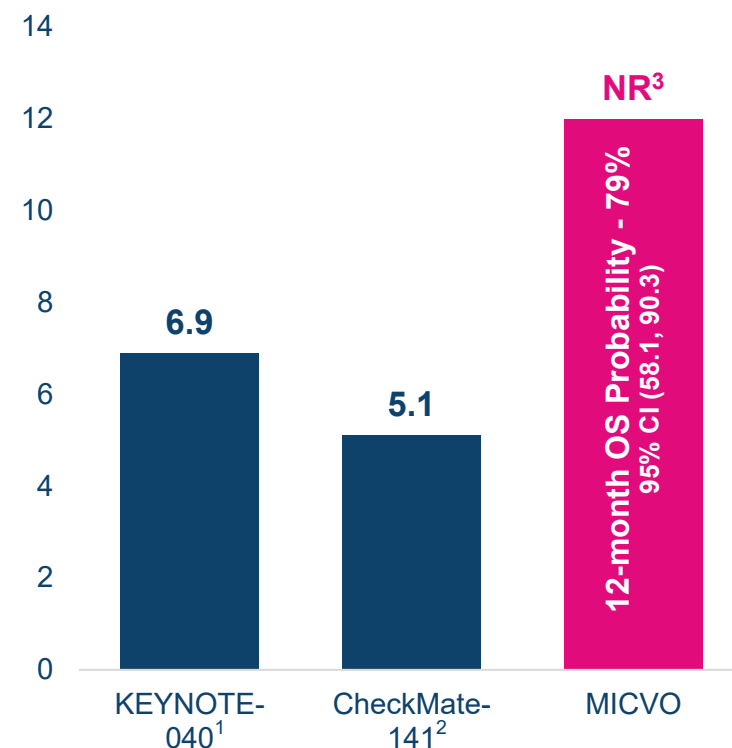
Confirmed ORR (%)



Median PFS (months)



Median OS (months)



Abbreviations: ORR: objective response rate; mPFS: median progression-free survival; PFS: progression-free survival; mOS: median overall survival; OS: overall survival; NR: not reached; N: number of patients.

Note: This analysis is the aggregation of results across independent studies. Cross-trial comparison only; no head-to-head trial of MICVO versus these agents has been conducted. There are risks inherent in conducting cross-trial comparisons. Refer to further disclaimers on slide 2.

References: 1. KEYNOTE-040: Control arm (N=248) included Cetuximab/Methotrexate/Docetaxel; Pembrolizumab arm observed cORR=11%; mPFS=2.1 months; mOS=8.4 months (N=247) 2. CheckMate-141: Control arm (N=121) included Cetuximab/Methotrexate/Docetaxel; Nivolumab arm observed cORR=13%; mPFS=2 months; mOS=7.7 months (N=240); 3. Lower bound of 95% confidence interval for OS at 12 months is 58%

Next Steps in Clinical Development

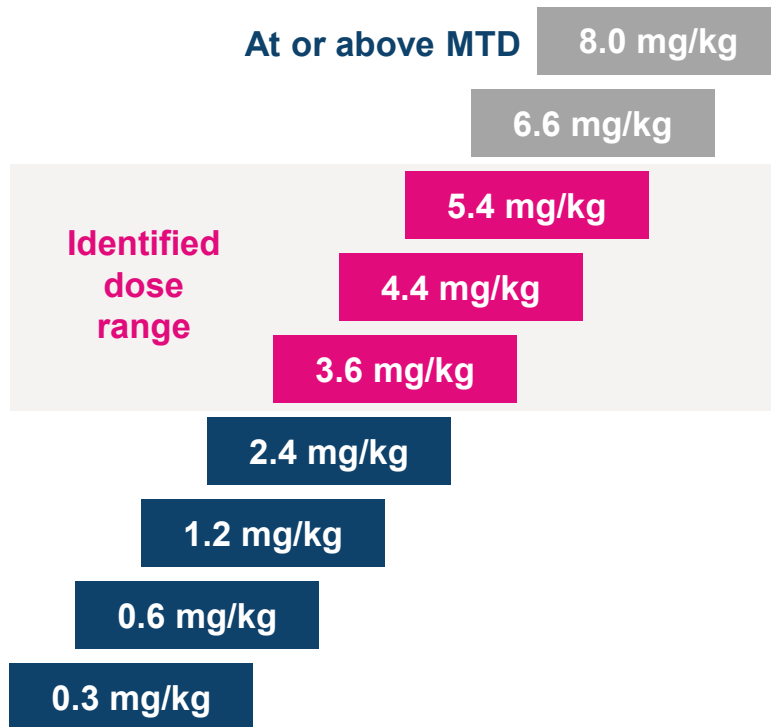


Progressing with 5.4 mg/kg Versus 3.6 mg/kg to Satisfy Project Optimus

5.4 mg/kg with dose cap shows strong benefit-risk



**Dose Escalation
(0.3 – 8.0 mg/kg)**



Project Optimus

- N=35 patients enrolled at 5.4 mg/kg with dose cap in 2L+ R/M HNSCC
- N=20+ patients enrolled at 3.6 mg/kg in 2L+ R/M HNSCC
- Preliminary profile indicates 5.4 mg/kg with a dose cap provides optimal benefit-risk in 2L+ R/M HNSCC
- Expect to select Ph3 dose in Q1 2027

Phase 3 Study

- Aligned with FDA and EMA feedback on trial design in 2L+ patients
- Trial initiation expected in mid-2027
- Compelling efficacy profile at 5.4 mg/kg with a dose cap relative to historical control arm benchmarks

Aligned with FDA and EMA Feedback on Phase 3 Study Design

Phase 3 initiation planned for mid-2027

HEADLINERTM

Randomized, open-label, 2-arm study

MICVO vs. investigator choice in 2L+ HNSCC

ELIGIBILITY

- Histologically or cytologically confirmed 2L+ HNSCC
- R/M disease progressed on/after platinum-based therapy and a PD-(L)1 inhibitor
- Primary tumor location is Oropharynx, Hypopharynx, Larynx or Oral Cavity¹

RANDOMIZATION

1:1

n ≈ 500

TREATMENT ARMS

MICVO RP3D (Q3W IV)

Investigator choice
(Cetuximab, Docetaxel,
or Methotrexate)

ENDPOINTS

Primary:

- ORR and OS

Secondary:

- PFS
- DOR
- ORR (FAS)
- DCR
- Safety/tolerability
- PROs

Abbreviations: FDA: US Food and Drug Administration; EMA: European Medicines Agency; PD-(L)1: programmed cell death protein 1/ligand 1; ORR: objective response rate; OS: overall survival; PFS: progression-free survival; DOR: duration of response; FAS: Full Analysis Set; DCR: disease control rate; PROs: patient-reported outcomes; RP3D: recommended Phase 3 dose; Q3W: every 3 weeks; IV: intravenous; mOS: median overall survival; n: number of patients.

Notes: 1. Excludes verrucous subtype as these patients are typically chemo-resistant and managed by surgical resection – January 2026 amendment excluded verrucous subtype patients from expansion and PYXS plans to exclude verrucous patients from all future 2L+ R/M HNSCC studies.

MICVO Key Value Drivers and Anticipated Clinical Data Timeline

Monotherapy and combination highlights, plus five milestones expected from 4Q 2026 through 2H 2027

2L+ R/M HNSCC MONO: MICVO 5.4 MG/KG WITH DOSE CAP

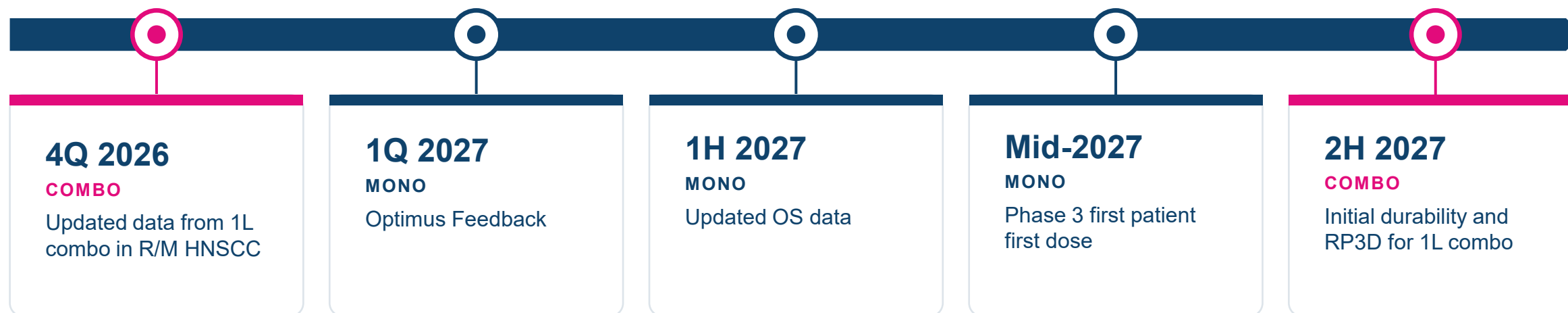
- Novel MOA required as 1L treatment options change
- Rapid and deep responses
- Substantial survival benefit for entire 2L+ population
- Manageable and well-understood safety profile
- Clear path forward to pivotal start-up

1L HNSCC COMBO: MICVO + KEYTRUDA® (pembrolizumab)

- Early signs of robust clinical activity in R/M HNSCC
- Preclinical data support synergistic benefit with PD-1 blockade
- Strong global enrollment
- Differentiated MOA with potential to enhance checkpoint inhibition
- Favorable preliminary safety and tolerability

Anticipated Clinical Data Milestones

● MONO ● COMBO



MICVO is Well Positioned to Become a Meaningful Treatment Option for Patients with Cancer

PROGRAM	FIRST-IN-CONCEPT ADC Novel ADC target in the tumor extracellular matrix
NEED	SIGNIFICANT UNMET NEED IN 2L+ HNSCC DRIVEN BY POTENTIAL CHANGE IN 1L Inadequate options for 2L+ HNSCC; 21K US patients by 2030, >\$4B US Total Addressable Market (TAM)
STUDY	EVALUATE MICVO IN 2L+ HNSCC AFTER CURRENT & POTENTIAL FUTURE 1L TREATMENTS Assess impact of prior therapy and HPV status
RESULTS	SUBSTANTIAL EFFICACY IMPROVEMENT WITH MANAGEABLE SAFETY Meaningful survival and response benefit and a safety profile consistent with approved ADCs
PATH FORWARD	PIVOTAL-READY, ROOM TO EXPAND Phase 3 initiation planned for mid-2027; potential to develop beyond 2L+ HNSCC

Charting a Course to Therapeutics for Difficult-to- Treat Cancers

September 9, 2026



MICVO Demonstrated Substantial Results for Entire 2L+ Population vs. Current and Emerging Therapies

2L+ R/M HNSCC

					No EGFRi re-treatment expected in 2L
Population	Endpoint	MICVO (Pyxis Oncology)	KEYNOTE-040 ¹ and CheckMate-141 ¹ (Cetuximab, Docetaxel or Methotrexate)	CRB-701 ² (Corbus)	Petosemtamab ³ (Genmab)
All Comers	N	33	121-248	37	75
	cORR	36%	6%-7%	24%	36%
	mPFS (95% CI), months	6.2 (4.8-8.8)	2.3	4.2 (2.8-5.6)	4.9 (3.2-5.4)
	12-month OS probability (95% CI), %	79% (58.1, 90.3)	17-27%	Not disclosed	11.4 mo mOS

Abbreviations: OPSCC: Oropharyngeal Squamous Cell Carcinoma; IRR: Infusion Related Reactions
* NOTE: Note: This analysis is the aggregation of results across independent studies. Cross-trial comparison only; no head-to-head trial of MICVO versus these agents has been conducted.
There are risks inherent in conducting cross-trial comparisons. Refer to further disclaimers on slide 2
1. Providing ranges from KEYNOTE-040 and CheckMate-141 studies; 2. Corbus pre-ASCO 2026 Presentation; 3. Merus ESMO Singapore 2024 Presentation

Solid Tumor ADC Dosing Approach Summary

Solid Tumor ADC	Dose Cap / AIBW	Highest % Gr3 AE observed at TBW	Target	Payload	Dose (mg/kg)	DAR	Approval Yr	2024 FY Sales
Kadcyla®	TBW	thrombocytopenia	HER2	DM1	3.6; Q3W	4	2013	\$2.3B
Enhertu®	TBW	Pneumonitis / ILD	HER2	TOPO1	5.4; Q3W	8	2019	\$4.2B
Padcev®	DC - 100kg	Neuropathy and Rash	Nectin-4	MMAE	1.25; D1,8,15 Q4W	4	2019	\$1.9B
Trodelvy®	TBW	Neutropenia	TROP2	SN38	10; D1D8 Q3W	8	2020	\$1.3B
Tivdak®	DC - 100kg	Neuropathy	Tissue Factor	MMAE	2; Q3W	4	2024	\$131M
Elahere®	AIBW	Intestinal obstruction & thrombocytopenia	Folate Receptor α	DM4	6; Q3W	3	2024	\$479M
Datroway®	DC - 90kg	Pneumonitis / ILD	TROP2	TOPO1	6; Q3W	4	2025	N/A
Emrelis™	DC - 100kg	Pneumonitis / ILD & Neuropathy	C-MET	MMAE	1.9; Q2W	4	2025	N/A

Not Approved / In Development

MICVO	DC & AIBW	Neuropathy	EDB+FN	AUR0101	5.4; Q3W	4
Varsetatug masetecan (Cytomx)	AIBW	Diarrhea	EpCAM	TOPO1	8.6 and 10; Q3W	8
IM-1021 (Immunome)	AIBW	TBD	ROR-1	TOP1	TBD	8
Sigvotatug vedotin (Pfizer)	AIBW	Pneumonitis / ILD	IB6	MMAE	1.8; Q2W	4