

# Building a Differentiated ADC Company

Nasdaq: PYXS  
August 2026



# Forward Looking Statement

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 their product candidate, and develop and commercialize their product candidate; and the Company's ability to compete successfully against other drug candidate. 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 our other filings, each of which is on file with the Securities and Exchange Commission.

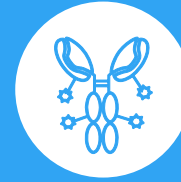
# Positioned to be a Differentiated ADC Company



**First-in-Concept  
Extracellular  
ADC Technology**



**Clinical focus on  
significant unmet  
need in R/M  
HNSCC**



**Validated  
monotherapy &  
combination  
efficacy signal in  
R/M HNSCC**



**Multiple Clinical  
Data Catalysts  
Expected in  
2H 2026**



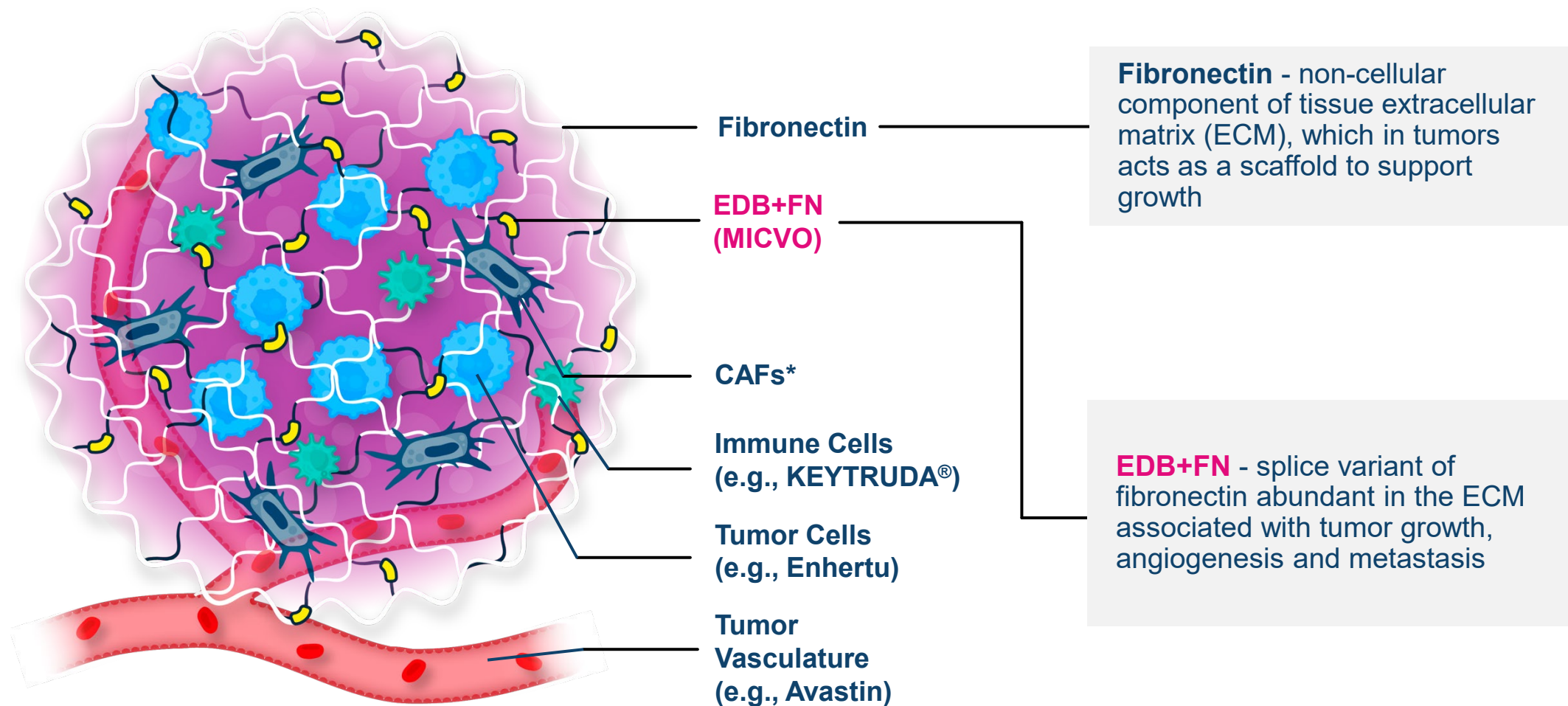
**MICVO is a First-in-Concept ADC**

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# MICVO is the First-in-Concept Extracellular Targeting ADC in Clinical Development

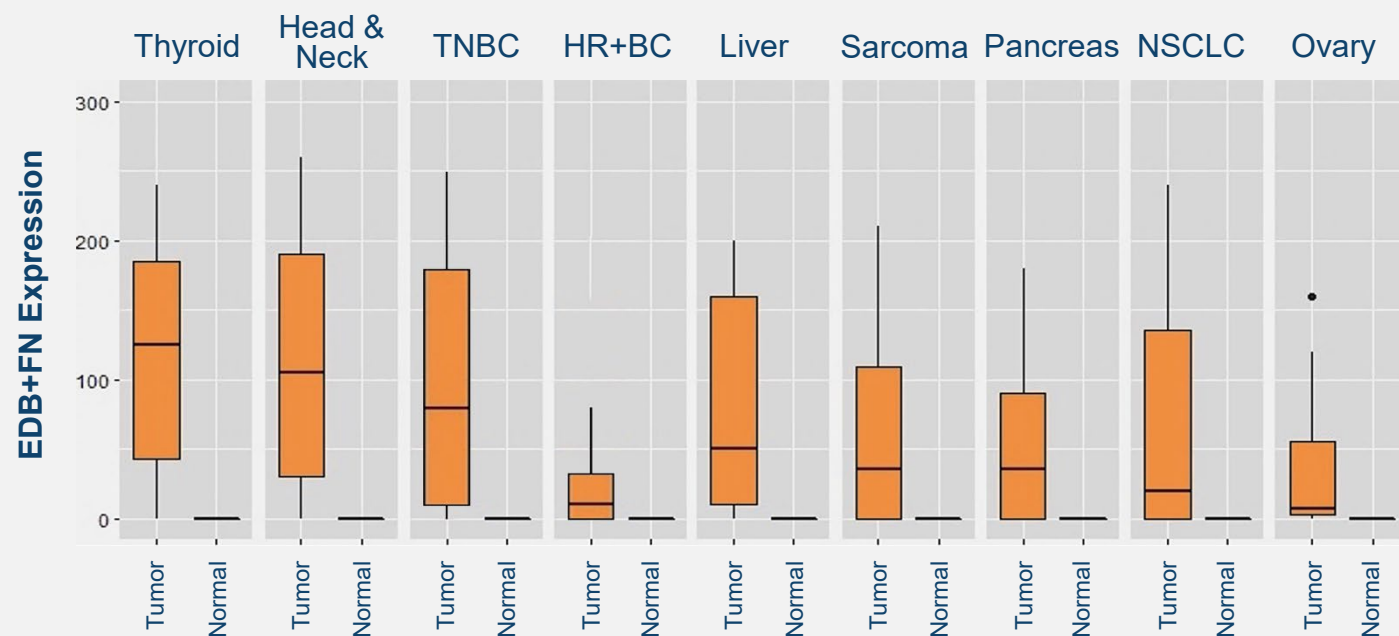
*Targets EDB+FN, a splice variant of fibronectin and novel non-cellular ADC target*



# EDB+FN is Expressed in ECM of Many Solid Tumors, Negligibly in Normal Tissue

*Recent translational findings identify factors in addition to EDB+FN expression driving response*

EDB+FN protein shows differential expression between tumor and normal samples, with negligible expression in normal tissues<sup>1</sup>



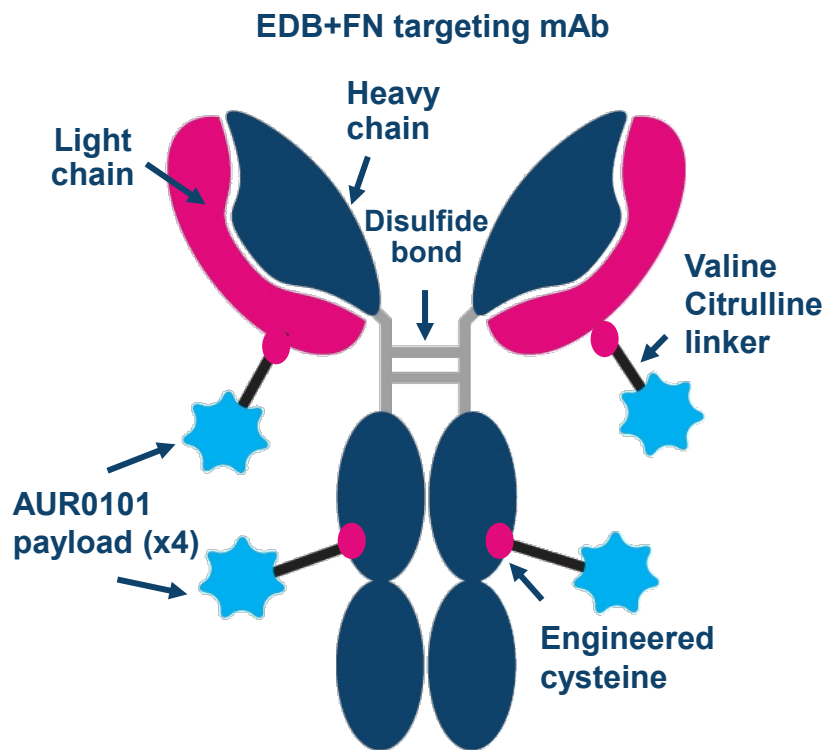
Key biological drivers of response in addition to EDB+FN expression

- Binding of MICVO to EDB+FN
- Presence of extracellular proteases (cathepsins)
- Low pH to enable cathepsin proteolytic activity
- Stromal architecture (e.g., spatial orientation of ECM fibers)
- Immunogenic tumor microenvironment (TME)<sup>2</sup>



# MICVO is an ADC Designed for Optimized Stability, Potency and Permeability in the Tumor ECM

## MICVO construct



## Key potential advantages

### Purpose-Built

- mAb **specifically directed at EDB+FN**, engineered for structural integrity with **high avidity-driven binding**
- **Site-specific, extracellular protease-cleavable Valine Citrulline linkers**

### Predictable

- **Uniform DAR\* of 4** provides improved therapeutic window via conjugation with engineered cysteines
- **Reduced free payload in serum**,  $C_{\max}$  ~4 days after administration

### Potent

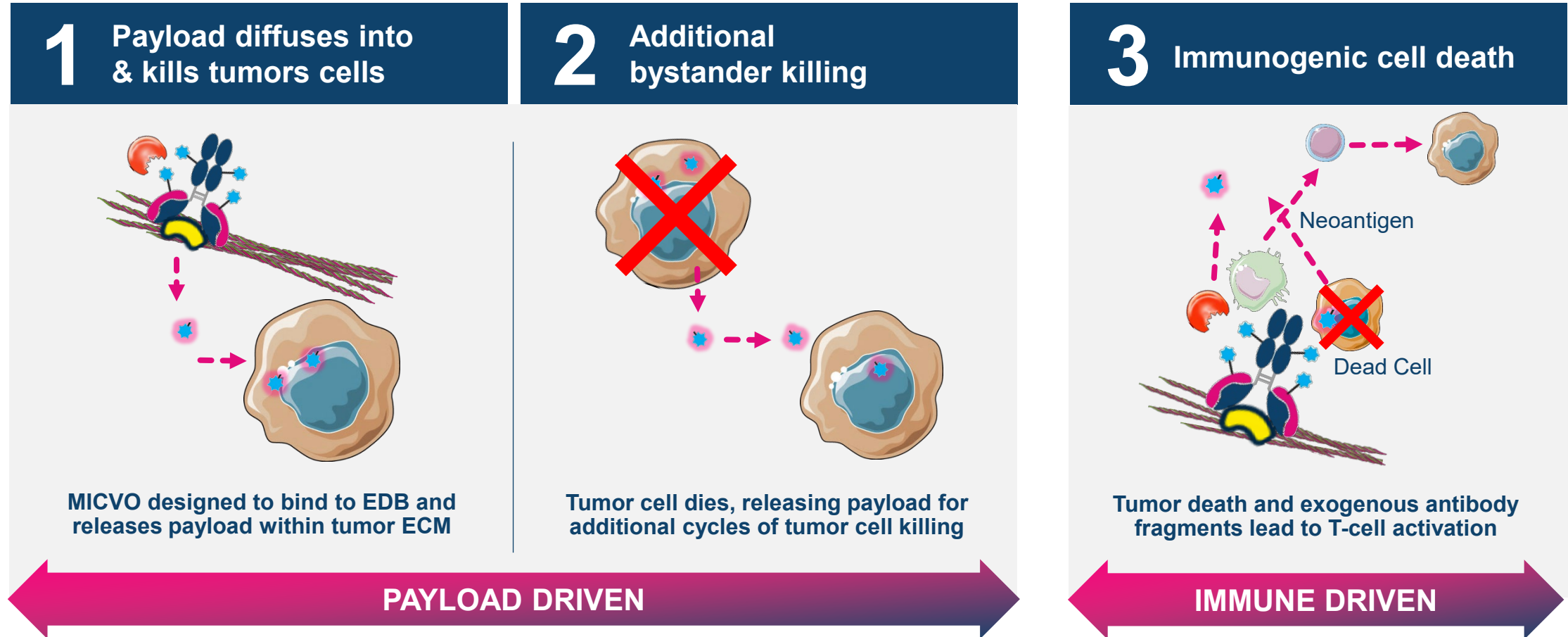
- Four **optimized cytotoxic auristatin 0101 (AUR0101)** microtubule polymerization inhibiting payloads
- Potential to maximize **tumor-killing and biological potency** in multiple solid tumor types

### Permeable

- Optimized for membrane permeability and diffusion to enable **efficient bystander killing**
- **Fast clearance** of optimized AUR0101 payload compared to other auristatins **to reduce off-target effects**

# MICVO Delivers Potent Anti-Tumor Activity Through a Three-Pronged MOA

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



KEY



CD8<sup>+</sup> lymphocyte



Proteases (e.g., cathepsin)



Cleaved & active payload (auristatin)



EDB+FN



Dendritic cell



MICVO



Tumor cell



Matrix

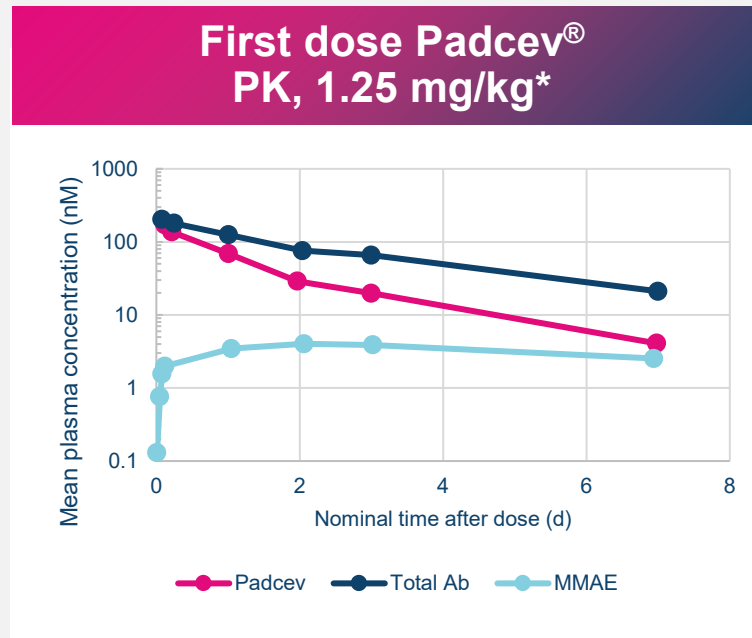


# MICVO PK Profile Demonstrates Superior Stability in Circulation Compared to Approved Val-Cit-MMAE ADCs

*MICVO linear PK profile across doses demonstrates absence of antigen sink*

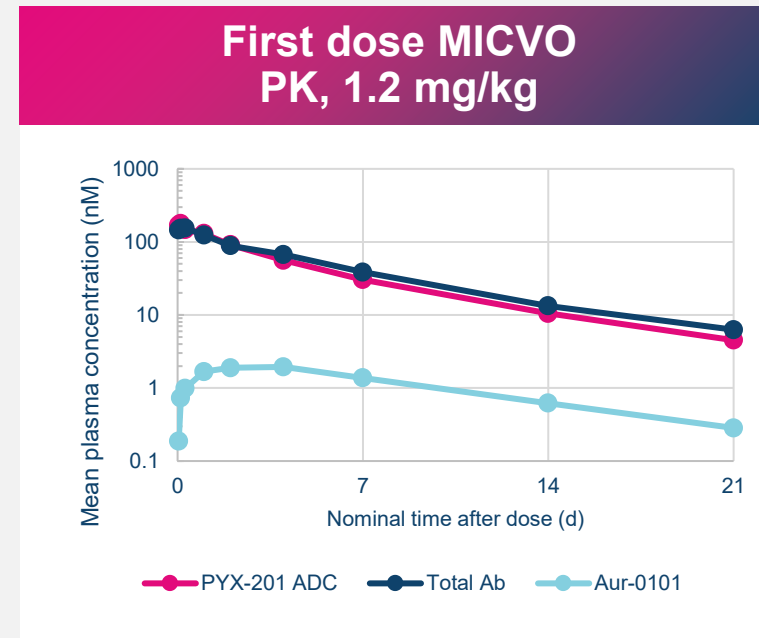
The site-specific conjugation for MICVO delivers two advantages:

- 1 Lower levels of free payload in circulation
- 2 Longer half-life



Traditional MMAE ADCs with random conjugation have poor stability and high levels of free payload

**Half-life = 3.6 days<sup>1</sup>**



MICVO uses site-specific conjugation leading to stronger stability and lower levels of free payload

**Half-life = 5-7 days**

\*1.25 mg/kg is recommended monotherapy dose for Padcev

# Initial MICVO Clinical Data Informs Path Forward

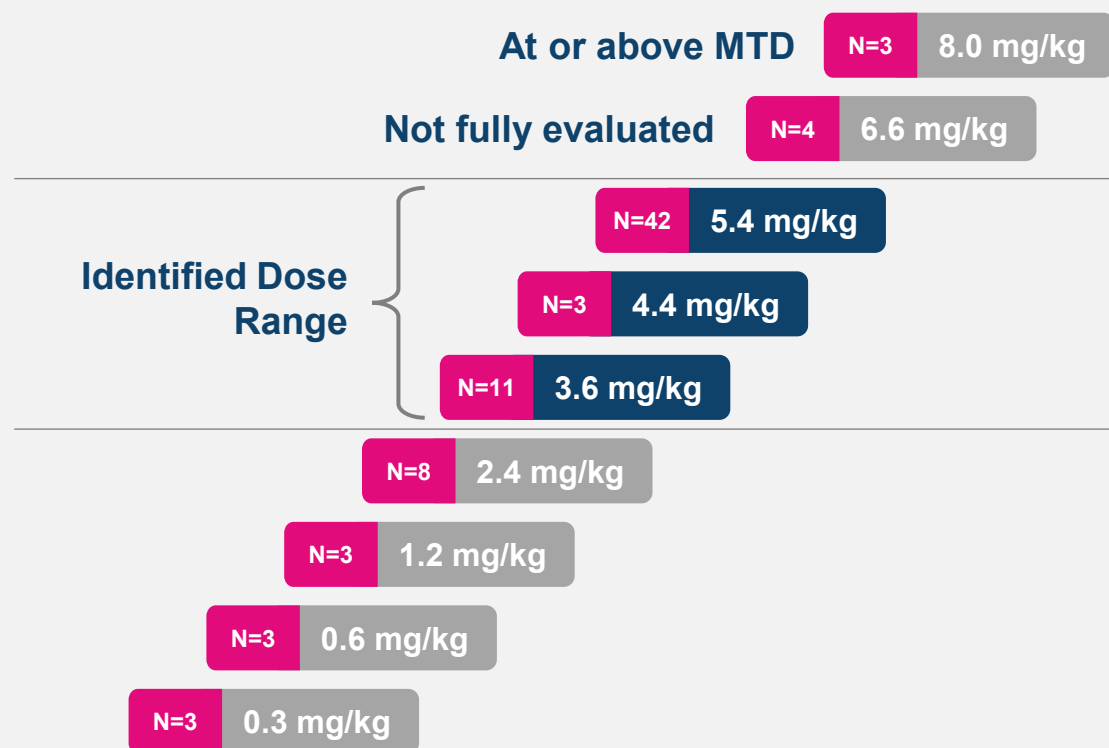
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# Phase 1 Part 1 Dose Escalation Basket Study with Multiple Tumor Types Identified Range of Potentially Effective Doses

80 patients dosed across 18 global sites<sup>1</sup>

Study explored doses  
from 0.3 – 8.0 mg/kg Q3W

3.6 - 5.4 mg/kg Q3W focus  
of Phase 1 Part 1 recruitment



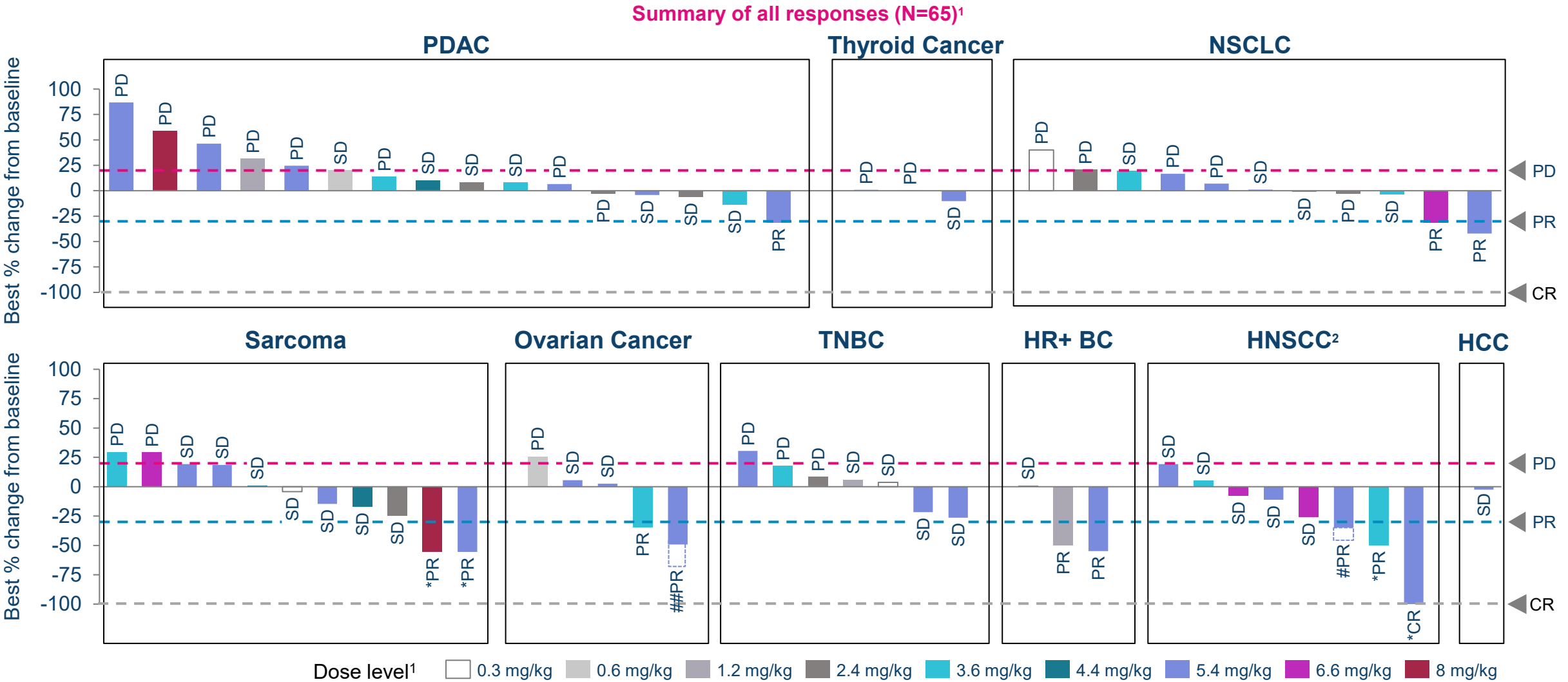
Observed **dose-**  
**dependent responses**  
starting at 3.6 mg/kg

52% of **patients recruited**  
**into 5.4 mg/kg dose**



Nov. 2024: Pronounced Responses Observed in Six Tumor Types In Phase 1 Dose Escalation

Strongest tumor regression observed in R/M HNSCC patients

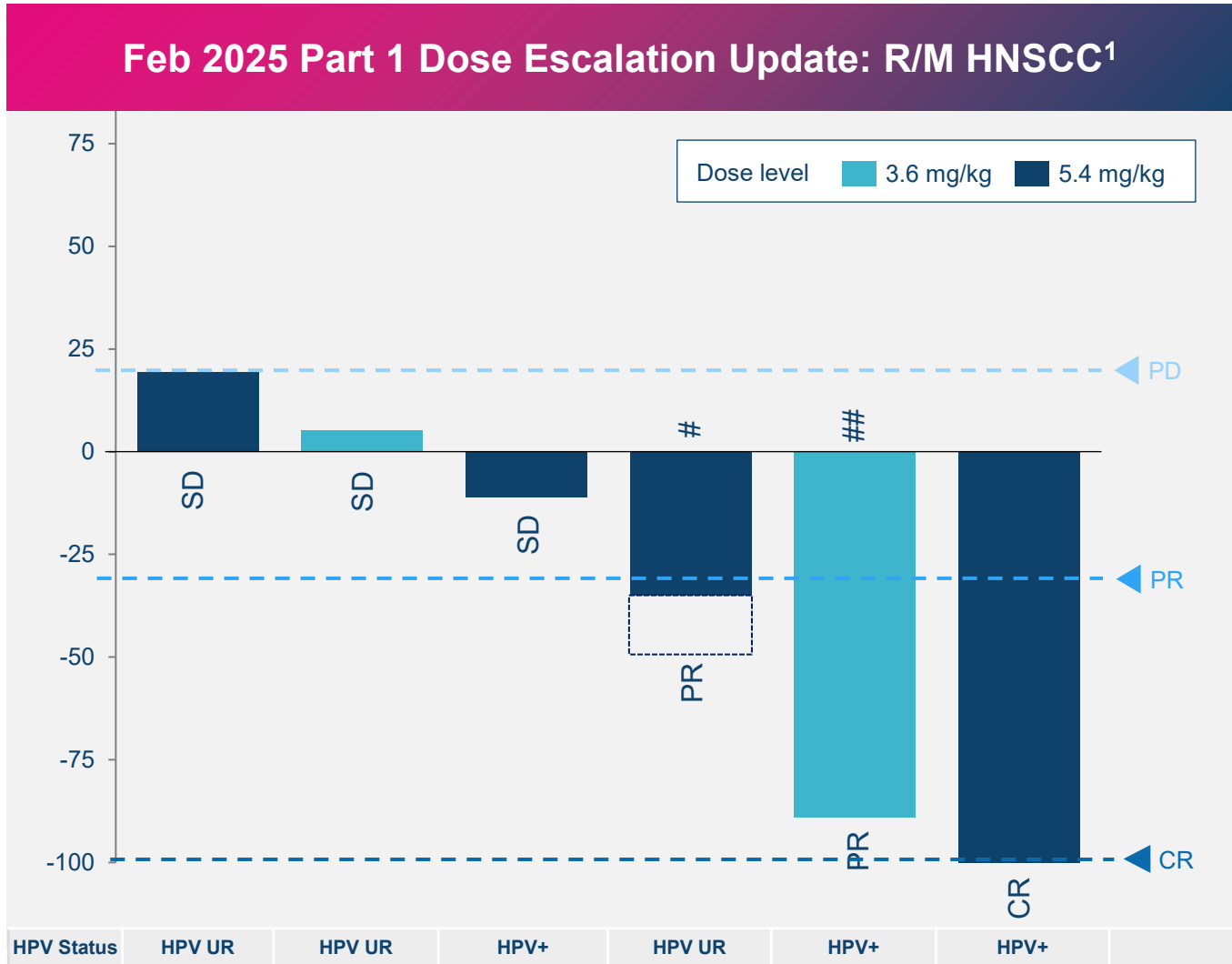


\*Confirmed Response as of Oct 4, 2024 data cutoff; #Confirmed Response after Oct 4, 2024 data cutoff (-47% tumor regression); ##Confirmed Response after Oct 4, 2024 data cutoff (-73% tumor regression)



Note: Efficacy population defined by dose received; dose level for patients who escalated or de-escalated = starting dose  
1. N=65; 3 patients dosed after 10/4/24 data cutoff and do not yet have scans; 12 patients of the 77 patients included in the safety dataset are not included in the waterfall for the following reasons - > 3 patients scanned after 10/4/24 data cutoff, 1 patient's scan was delayed beyond protocol allowable timeframe, 3 patients discontinued prior to 1st scan due to non-TRAEs, 1 patient withdrew from the study prior to 1st scan and 4 patients discontinued due to Progressive Disease.; 2. Does not include patient dosed at 5.4 mg/kg who received scan on Day 97 after receiving 1 dose and whose scan was disallowed per protocol due to excessive time between dosing and scan

# Strong Monotherapy Signal in Heavily Pre-treated R/M HNSCC Patients During Phase 1 Part 1 Dose Escalation



## Part 1 Dose Escalation R/M HNSCC Summary

**Multiple doses explored** in R/M HNSCC during dose escalation

Responses observed at **3.6 mg/kg and 5.4 mg/kg**

**50% Confirmed ORR<sup>1</sup>, 100% Disease Control Rate** at 3.6 and 5.4 mg/kg

**5.4 mg/kg presented an optimal benefit-risk profile** and was selected for dose expansion

1. Does not include patient dosed at 5.4 mg/kg who received scan on Day 97 after receiving 1 dose and whose scan was disallowed per protocol due to excessive time between dosing and scan; 2 2 non-evaluable (dose level not cleared) patients dosed at 6.6 mg/kg; # Confirmed Response by RECIST 1.1 after Oct 4, 2024 data cutoff (-47% tumor regression); ## Week 57 Confirmed PR by RECIST 1.1 at Feb 24, 2025 data extraction (-89% tumor regression); 3. HPV UR= HPV status unrelated

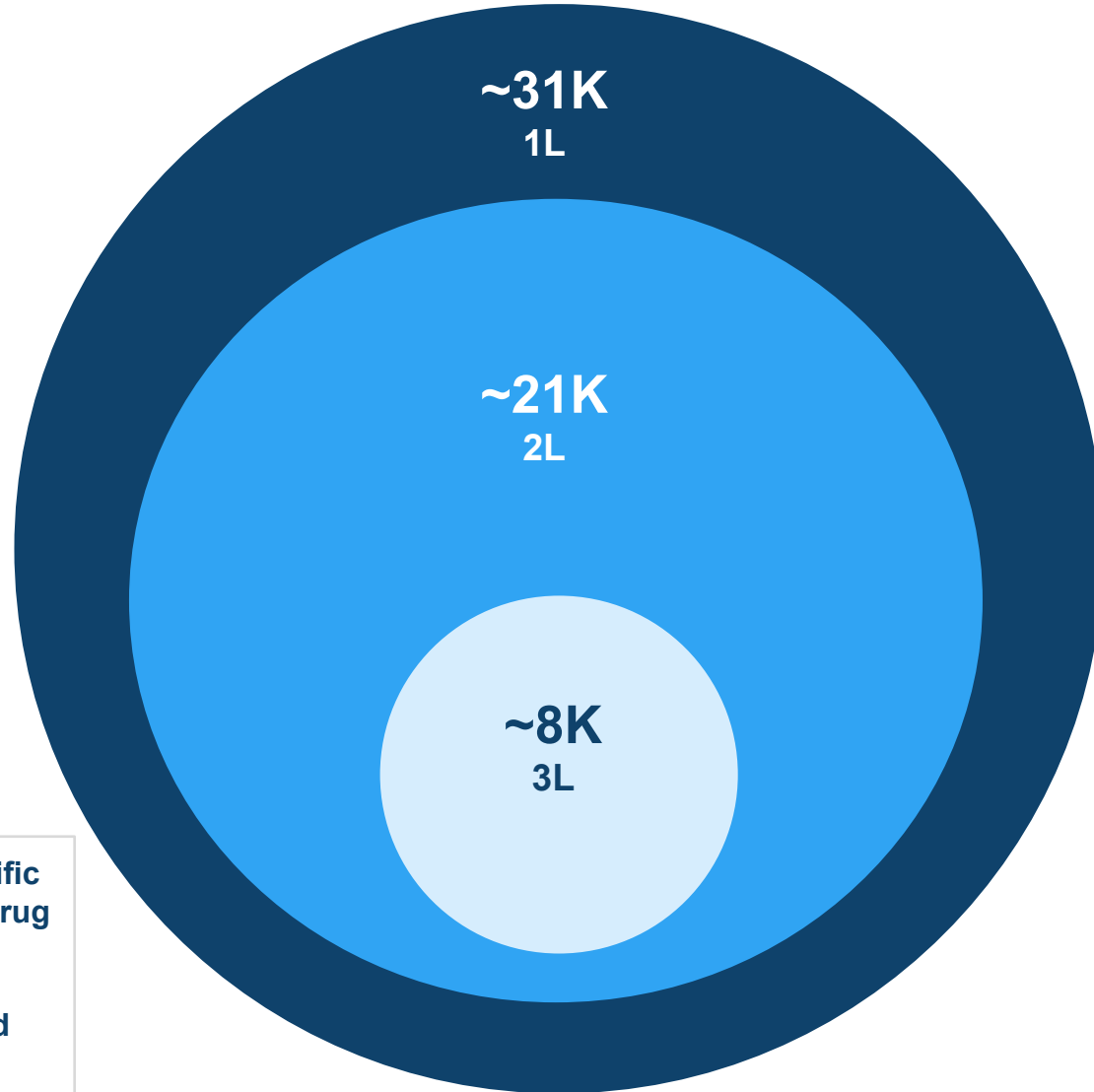
# **Unmet Need in R/M HNSCC**

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# R/M HNSCC is a Large, Growing and Uncrowded Market Ripe for Innovation



US-specific  
data of drug  
treatable  
patients  
projected  
to 2029

## Key takeaways

- 7<sup>th</sup> largest oncology market
- High rate of growth propelled by increasing incidence of HPV
- Recent corporate and business development highlights market value
- Innovation driven by a select number of modalities and sponsors

### Bispecifics/mABs



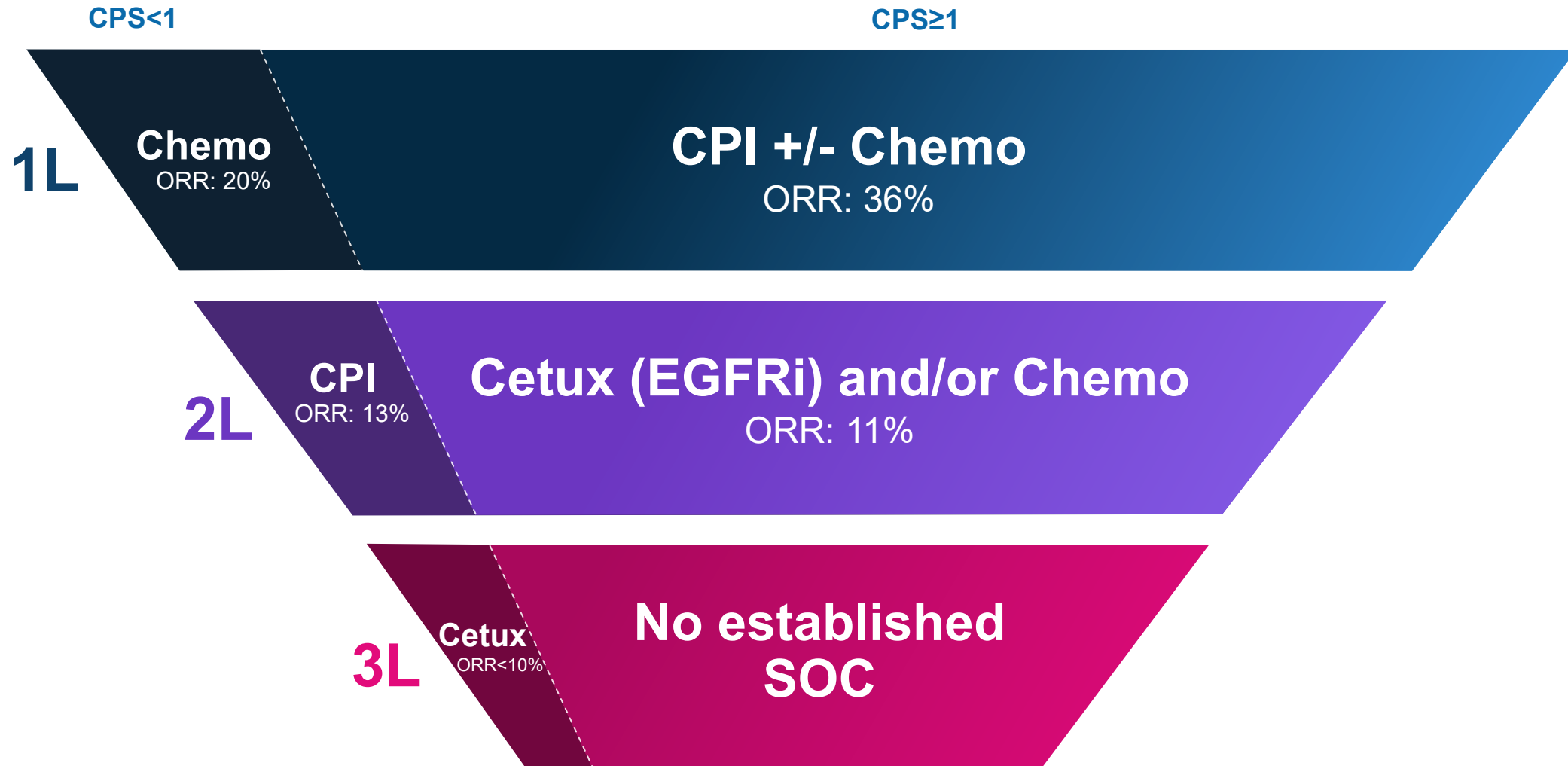
### ADCs



### Others (Vaccines/TKI etc)

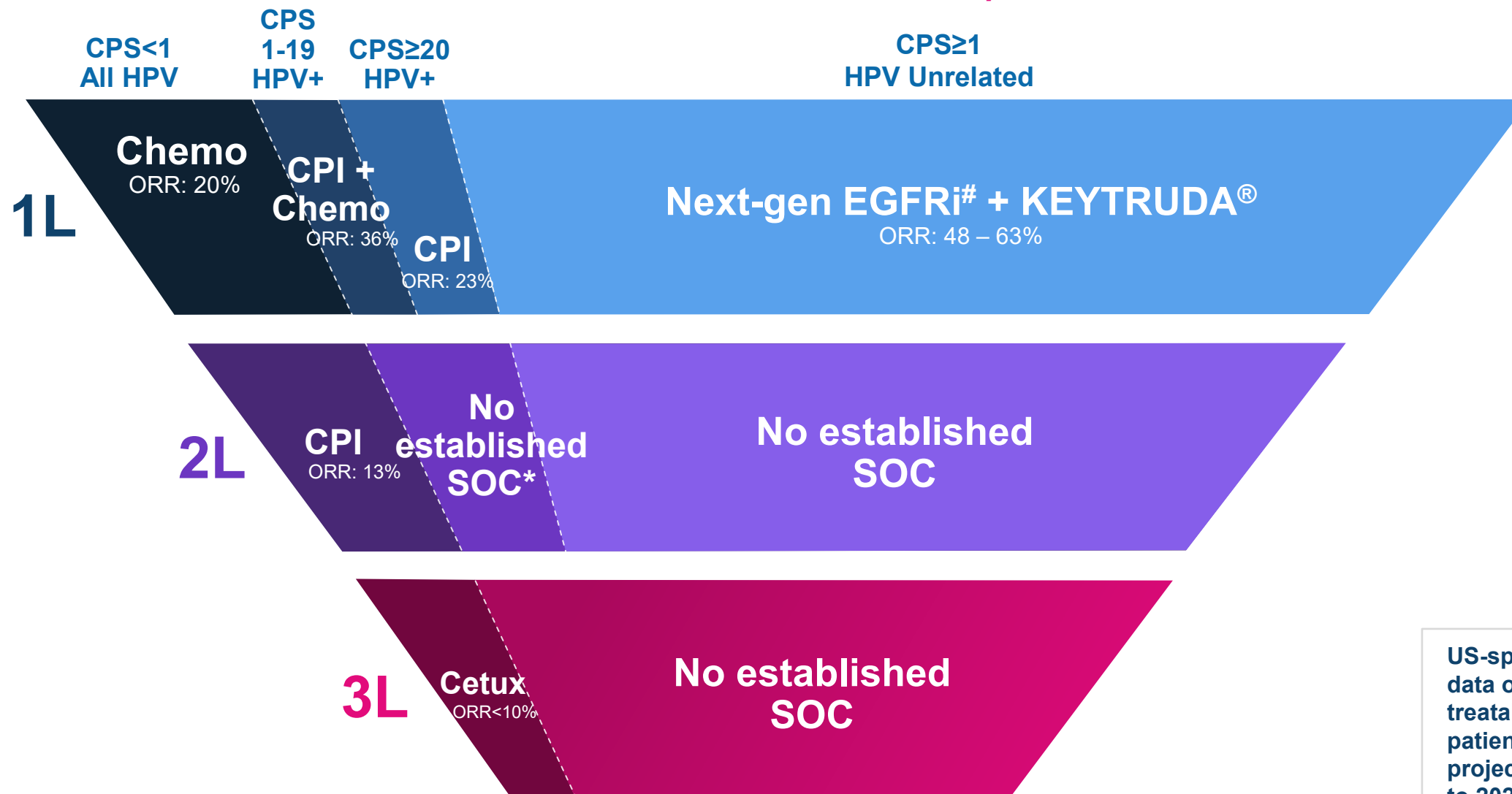


# Current US R/M HNSCC Standard of Care Leaves Patients with Few Options and Poor Efficacy



# Next Gen EGFRi Likely to Become New SOC in HPV unrelated 1L R/M HNSCC

*Significant unmet need will remain, both in 1L and in 2L+ R/M HNSCC in particular*

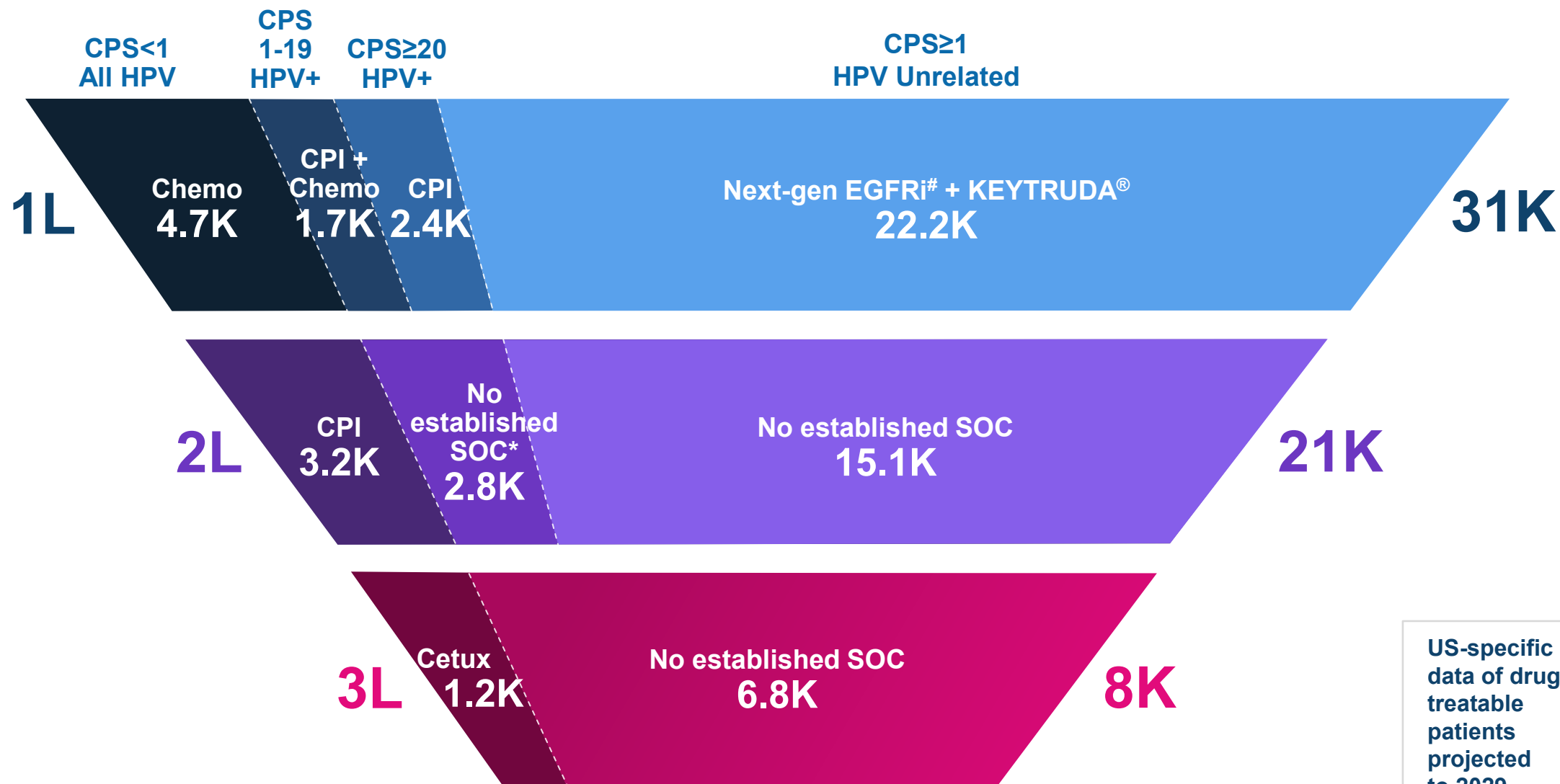


US-specific data of drug treatable patients projected to 2029



# Market Opportunity for MICVO in R/M HNSCC is Substantial

*2L+ market (>21K patients) similar in size to 1L EGFR bispecifics market (22K patients)*



US-specific data of drug treatable patients projected to 2029

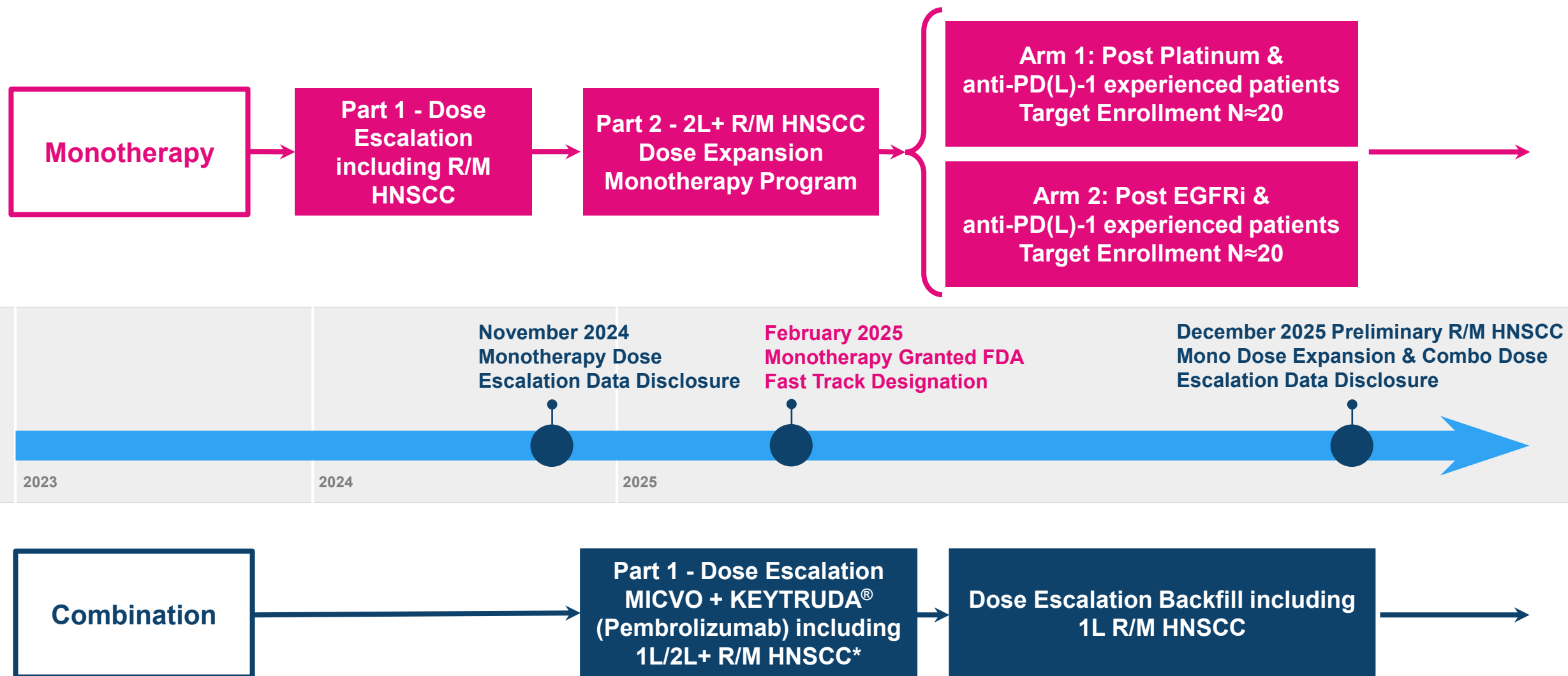
Source: Clarivate/DRG: Squamous Cell Carcinoma of the Head and Neck, Epidemiology dashboard, 2022

CPI: Checkpoint Inhibitor; Cetux: Cetuximab

\*Petosemtamab HPV+ ORR=13% (N=15) per ESMO 2024 presentation and Cetuximab HPV+ ORR=0% per INTERLINK study; # Petosemtamab, Ficerafusp Alfa and Amivantamab studying in 1L

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# MICVO's Clinical Programs Address the Areas of Highest Unmet Need in R/M HNSCC



# MICVO Monotherapy in 2L+ R/M HNSCC

## December 2025 Preliminary Data

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# Dec. 2025: MICVO Preliminary Data Revealed Unsurpassed Efficacy in 2L+ R/M HNSCC

Data as of Nov 3, 2025

**Phase 1: 46% Confirmed ORR and 92% Disease Control Rate (N=13, Efficacy Evaluable<sup>1</sup>)**

**Correlation identified between high body weight patients and AEs has been linked to increased drug exposure**

**Dose capping implemented in December 2025; protocol amendment permitting adjusted ideal body weight (AIBW) has been approved and AIBW dosing has begun**



# MICVO Phase 1 Monotherapy Patient Demographics and Disease Characteristics at 5.4 mg/kg

Data as of Nov 3, 2025

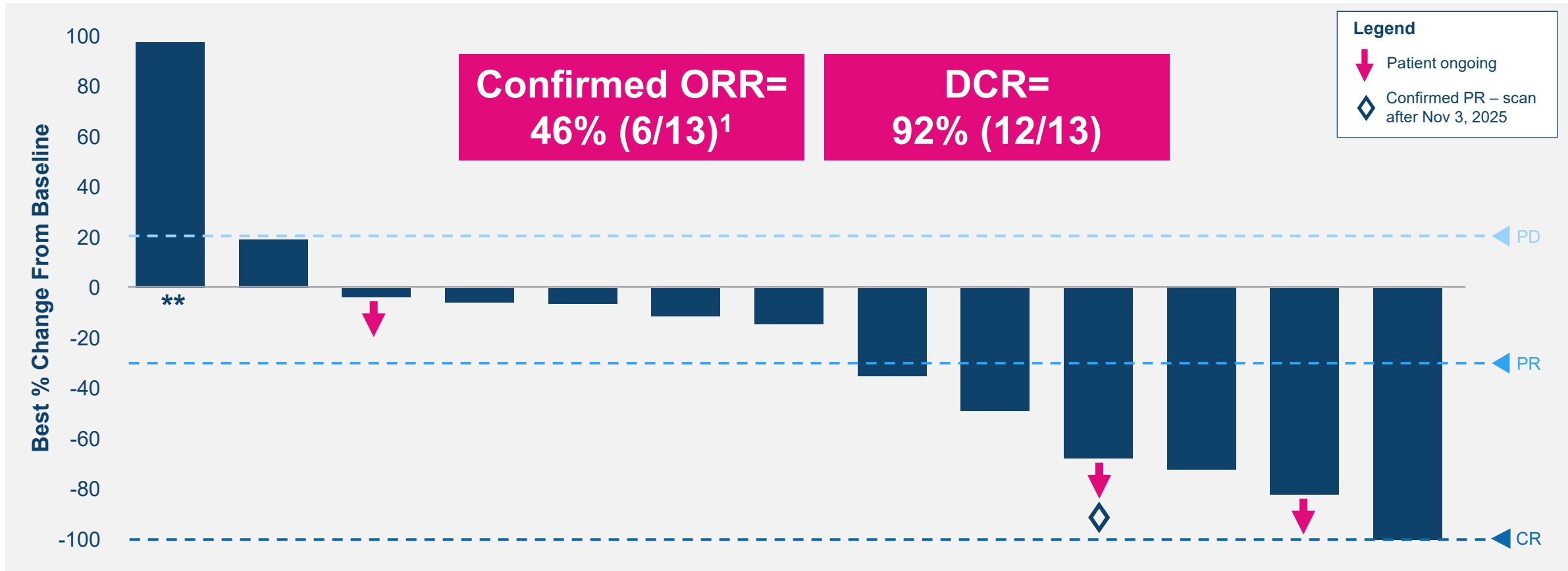
| Demographics                            | Total (N=18) |
|-----------------------------------------|--------------|
| <b>Age</b>                              | <b>Years</b> |
| Median (min-max)                        | 63 (41- 72)  |
| <b>Sex</b>                              |              |
| Male                                    | 12 (67%)     |
| <b>Race</b>                             |              |
| White                                   | 14 (78%)     |
| Black or African American               | 1 (6%)       |
| Not Reported                            | 3 (16%)      |
| <b>Baseline ECOG Performance Status</b> |              |
| 0                                       | 3 (17%)      |
| 1                                       | 15 (83%)     |
| <b>Baseline Weight</b>                  | <b>Kg</b>    |
| Median (min-max)                        | 72 (48, 103) |
| <b>BMI</b>                              |              |
| Median (min-max)                        | 25 (19, 32)  |

| Disease Characteristics | Total (N=18) |
|-------------------------|--------------|
| <b>HPV Status</b>       | <b>n (%)</b> |
| HPV +, n (%)            | 7 (39%)      |
| HPV unrelated, n (%)    | 11 (61%)     |

| Prior anti-Cancer Therapy                                   | Total (N=18)   |
|-------------------------------------------------------------|----------------|
| Elapsed Time Since Initial Diagnosis (Yr), Median (min-max) | 4.0 (1.0-13.2) |
| Prior Systemic Therapy, Median Lines (min-max)              | 3 (1-6)        |
| Taxane, n (%)                                               | 12 (67%)       |
| Platinum, n (%)                                             | 18 (100%)      |
| Checkpoint Inhibitor, n (%)                                 | 18 (100%)      |
| EGFR Targeting Agent, n (%)                                 | 9 (50%)        |

# MICVO Monotherapy Demonstrated Clear Activity at 5.4 mg/kg with Deep Responses and Exceptional Disease Control

Data as of Nov 3, 2025

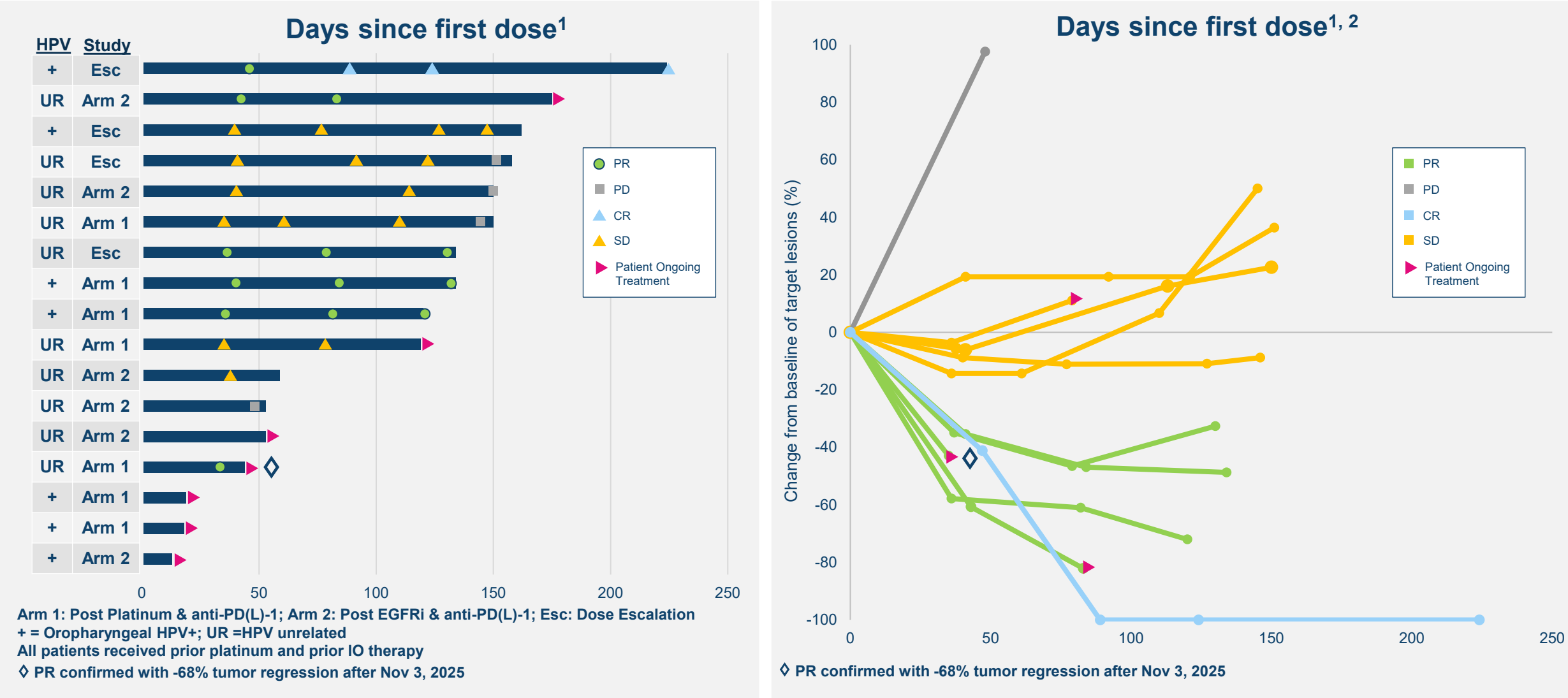


| Study*              | Arm 2         | Esc           | Arm 1         | Arm 2         | Arm 2         | Esc  | Arm 1         | Esc           | Arm 1 | Arm 1         | Arm 1 | Arm 2         | Esc  |
|---------------------|---------------|---------------|---------------|---------------|---------------|------|---------------|---------------|-------|---------------|-------|---------------|------|
| HPV Status          | HPV unrelated | HPV unrelated | HPV unrelated | HPV unrelated | HPV unrelated | HPV+ | HPV unrelated | HPV unrelated | HPV+  | HPV unrelated | HPV+  | HPV unrelated | HPV+ |
| Baseline Tumor (mm) | 41            | 88            | 28            | 149           | 33            | 42   | 35            | 43            | 113   | 133           | 90    | 28            | 16   |
| #Prior tx           | 5             | 4             | 4             | 2             | 3             | 6    | 2             | 4             | 3     | 2             | 1     | 3             | 1    |

\*Arm 1: Post Platinum & anti-PD(L)-1; Arm 2: Post EGFRi & anti-PD(L)-1; Esc: Dose Escalation;  
\*\*Patient with loco-regional recurrence, verrucous subtype of HNSCC in oral cavity; progressive disease to prior therapies; this subtype is often resistant to chemotherapy  
1. Efficacy evaluable (N=13) does not include N=1 dose escalation patient dosed at 5.4 mg/kg who received scan on Day 97 after receiving 1 dose and whose scan was disallowed per protocol due to excessive time between dosing and scan and N=4 patients in dose expansion that have not received 1<sup>st</sup> scan and are ongoing; 6<sup>th</sup> Confirmed PR after data cutoff

MICVO Monotherapy at 5.4 mg/kg Demonstrated Rapid Onset of Response and Disease Control with Emerging Durability Still Maturing

Data as of Nov 3, 2025



# MICVO Safety at 5.4 mg/kg in R/M HNSCC

*No Grade 4 or Grade 5 ADC payload TRAEs of interest observed*

Data as of Nov 3, 2025<sup>1</sup>

| TRAEs                                             | Part 1 Dose Escalation | Part 2 Dose Expansion | Total    |
|---------------------------------------------------|------------------------|-----------------------|----------|
| N                                                 | 5                      | 13                    | 18       |
| All TRAEs                                         | 5 (100%)               | 11 (85%)              | 16 (89%) |
| Grade 1/2 TRAEs                                   | 2 (40%)                | 4 (31%)               | 6 (33%)  |
| Grade 3/4 TRAEs                                   | 3 (60%)                | 7 (54%)               | 10 (56%) |
| TRAEs leading to <b>treatment discontinuation</b> | 2 (40%)                | 3 (23%)               | 5 (28%)  |
| TRAEs leading to <b>dose reduction</b>            | 2 (40%)                | 4 (31%)               | 6 (33%)  |
| TRAEs leading to <b>dose delay</b>                | 1 (20%)                | 4 (31%)               | 5 (28%)  |
| Treatment related <b>Deaths (Grade 5)</b>         | 0                      | 0                     | 0        |

| ADC payload TRAEs of interest | Part 1 Dose Escalation |         | Part 2 Dose Expansion |         | Total     |         |
|-------------------------------|------------------------|---------|-----------------------|---------|-----------|---------|
|                               | Grade 1/2              | Grade 3 | Grade 1/2             | Grade 3 | Grade 1/2 | Grade 3 |
| Cutaneous                     | 1 (20%)                | 0       | 7 (54%)               | 0       | 8 (44%)   | 0       |
| Neuropathy                    | 0                      | 2 (40%) | 1 (8%)                | 3 (23%) | 1 (6%)    | 5 (28%) |
| Neutropenia                   | 0                      | 1 (20%) | 2 (15%)               | 1 (8%)  | 2 (11%)   | 2 (11%) |
| Ocular                        | 1 (20%)                | 0       | 1 (8%)                | 1 (8%)  | 2 (11%)   | 1 (6%)  |
| Anemia                        | 0                      | 0       | 3 (23%)               | 0       | 3 (17%)   | 0%      |
| Pneumonitis                   | 1 (20%)                | 0       | 1 (8%)                | 1 (8%)  | 2 (11%)   | 1 (6%)  |

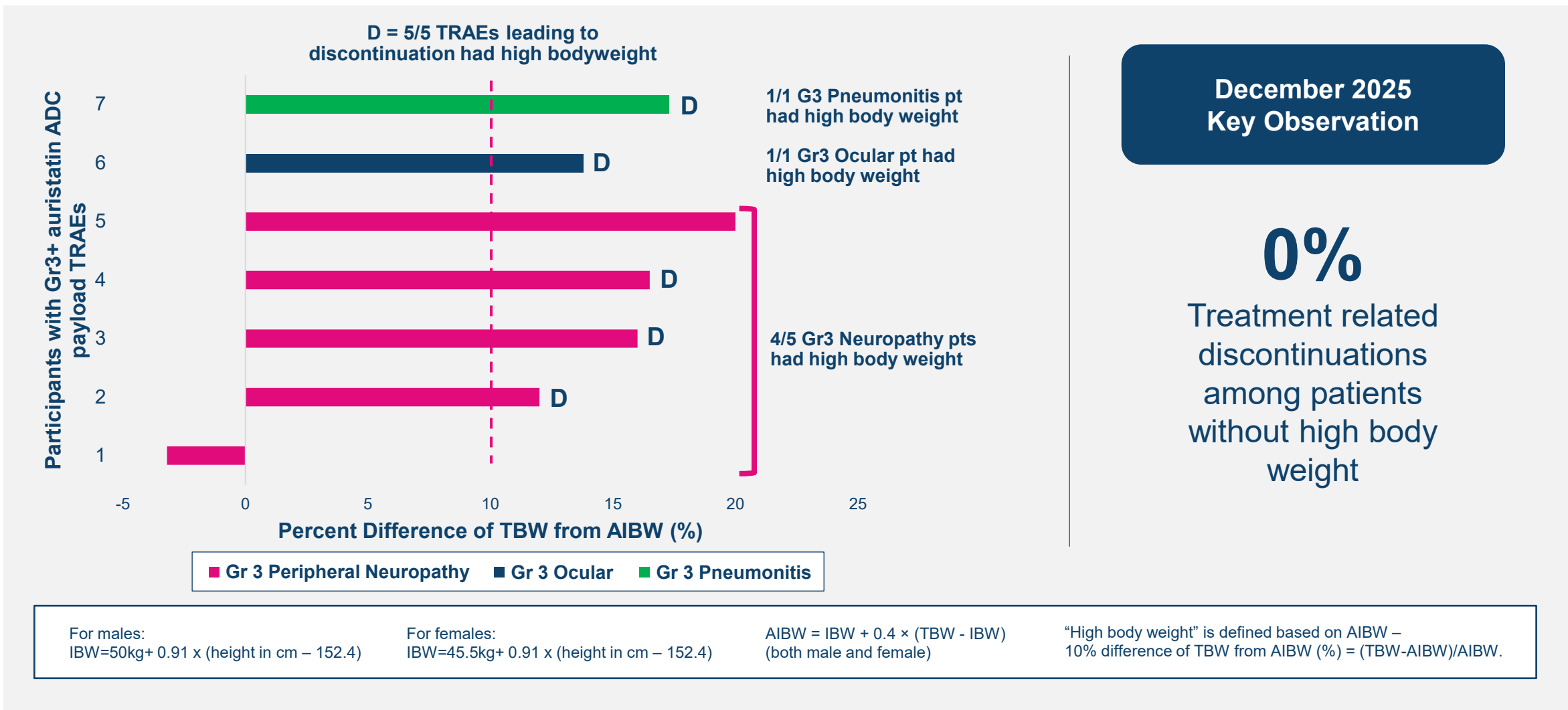


# MICVO Modified Weight-Based Dosing

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# Discontinuations Driven by Overexposure in High Body Weight Patients

Data as of Nov 3, 2025



# Pyxis Oncology is Actively Exploring Well-Established Modified Weight-Based Dosing Methods with MICVO, Starting with Dose Capping

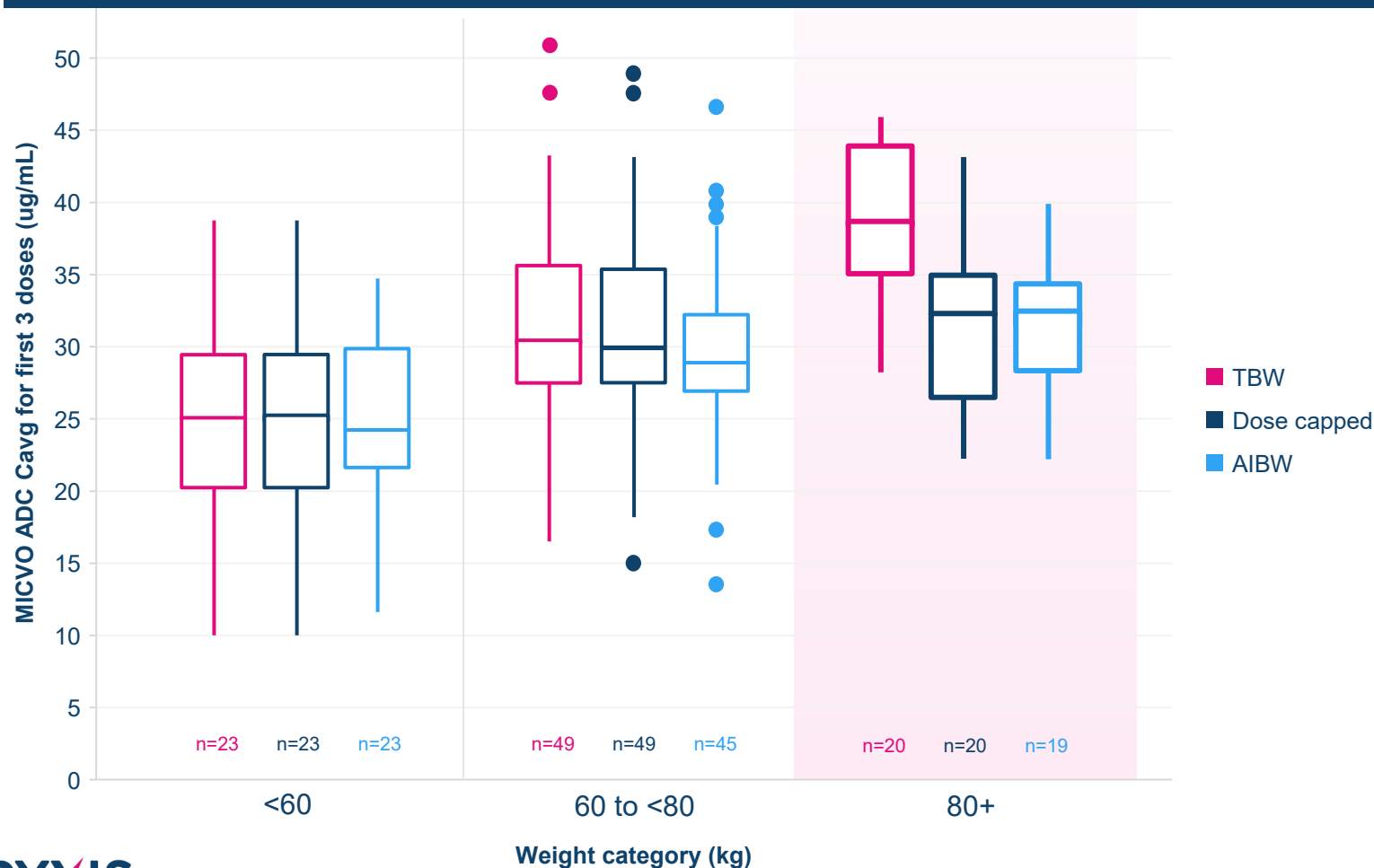


**Padcev<sup>1</sup> and Datroway<sup>2</sup>, both auristatin ADC's, leverage dose capping**

**Elahere<sup>3</sup> and other ADC's in development from Pfizer<sup>4</sup>, Immunome<sup>5</sup> and CytomX<sup>6</sup> leverage AIBW**

# PK Modeling Shows That Overexposure to MICVO in Higher Body Weight Patients Can Be Mitigated Through Modified Weight-Based Dosing

## PK Simulation for 5.4 mg/kg Q3W

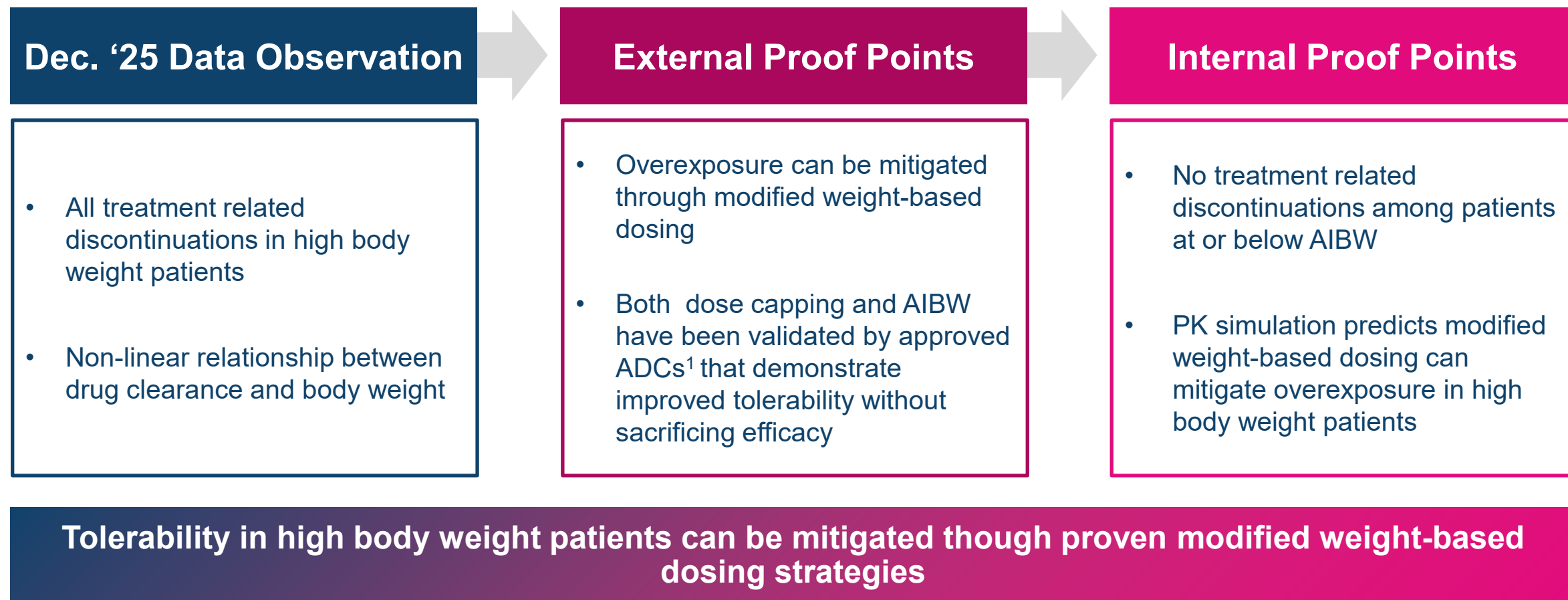


## Key Takeaways

- PK simulations predict comparable exposure for patients <60 kg and 60 to <80 kg receiving 5.4 mg/kg of MICVO regardless of dosing approach
- A marked decrease in exposure is predicted for patients weighing 80+ kg using modified weight-based dosing relative to TBW
- Dose Capping and AIBW exposures are comparable for patients across weight categories, including for patients weighing 80+ kg

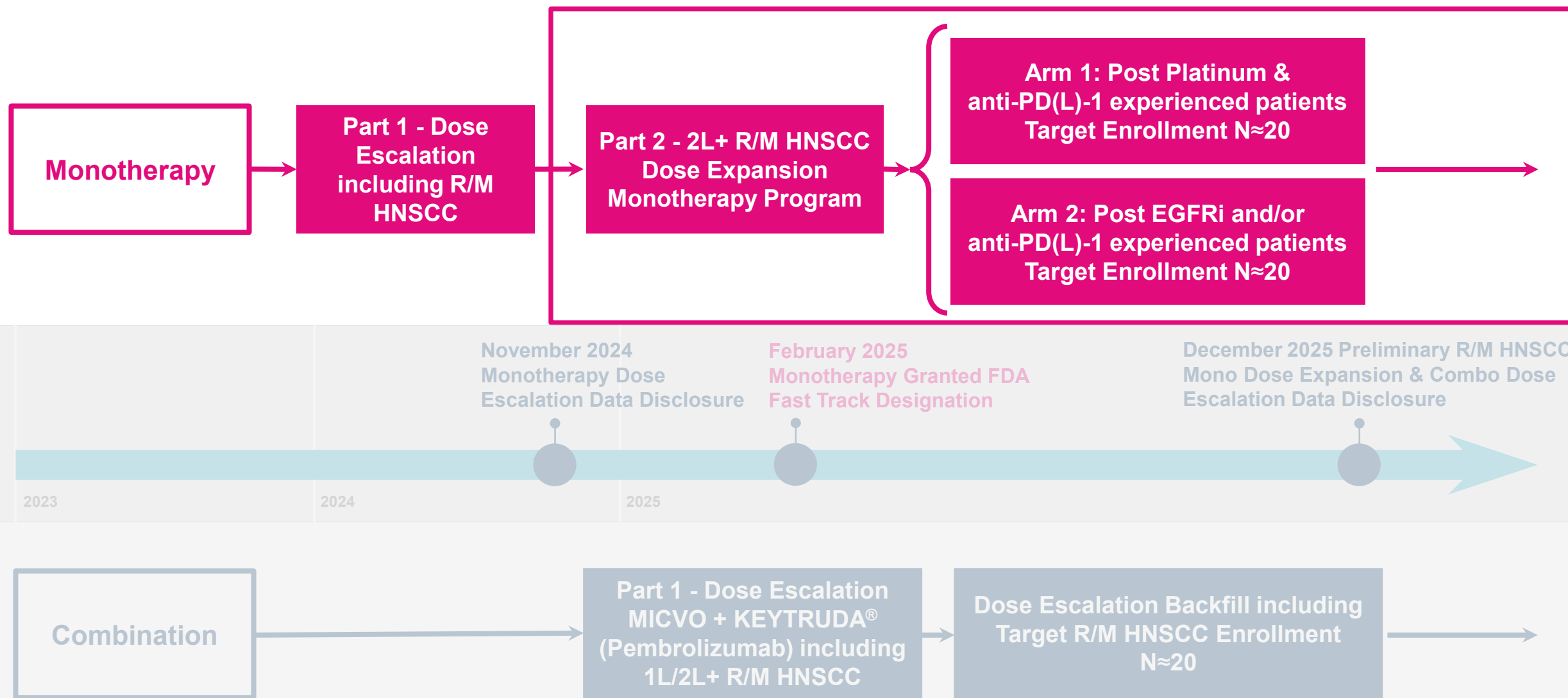


# Addressing Patient Tolerability Through Modified Weight-Based Dosing with MICVO



# Updated 2L+ R/M HNSCC Phase 1 Monotherapy Study Data Expected Fall 2026

*Update will focus on participants treated at 5.4 mg/kg IV Q3W, with a dose equivalent to or below a dose cap*



# Target Enrollment in MICVO Dose Expansion Study Completed

## MICVO IV Q3W @ 5.4 mg/kg

Dose Escalation  
Part 1  
N = 5



Dose Expansion  
Part 2  
N = ~40

### Key Eligibility Criteria

- **Part 1:** 2L+ R/M HNSCC
- Histologically or cytologically confirmed HNSCC
- R/M disease progressed on/after platinum-based therapy and a PD-1/L1 inhibitor
- RECIST v1.1 measurable disease
- ECOG PS 0-1

### Key Eligibility Criteria

- **Part 2:** 2/3L R/M HNSCC
- Histologically or cytologically confirmed HNSCC
- R/M disease progressed on/after platinum-based therapy and a PD-1/L1 inhibitor
- RECIST v1.1 measurable disease
- ECOG PS 0-1

# **MICVO + Keytruda® in R/M HNSCC**

## **December 2025 Preliminary Data**

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# MICVO + KEYTRUDA® Combination Summary in R/M HNSCC

Data as of Nov 3, 2025

**Dec. 2025: 71% Confirmed ORR, 100% DCR (n=7, 3.6 mg/kg & 4.4 mg/kg)**

**Dec. 2025: Initial data support lack of overlapping toxicities observed between MICVO + KEYTRUDA®**

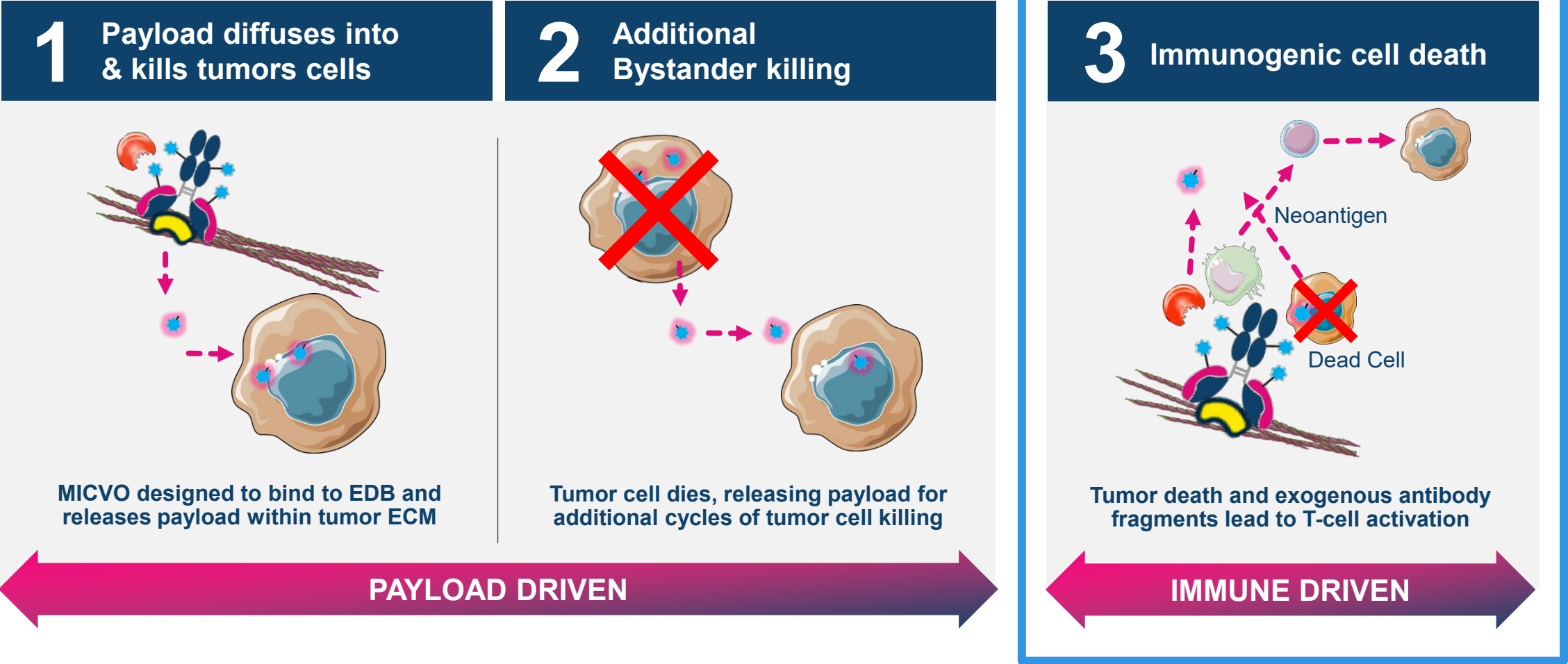
**Upcoming data in 4Q26 to focus on 1L, with significant potential in underserved patient populations**

**Anticipated enrollment of HPV unrelated patients provides potential to build on promising HPV+ efficacy signal in 4Q26 update**

**Future MICVO combinations may provide a further differentiated benefit/risk profile**

# Immunogenic Potential of MICVO Mechanism May Amplify Benefits of KEYTRUDA® in R/M HNSCC

*Non-cellular approach remodeling the tumor ECM could address a primary cause of drug resistance*



KEY

CD8+ lymphocyte

Proteases (e.g., cathepsin)

Cleaved & active payload (auristatin)

EDB+FN

Dendritic cell

MICVO

Tumor cell

Matrix

# MICVO 1L/2L+ R/M HNSCC Combo Dose Escalation Patient Demographics

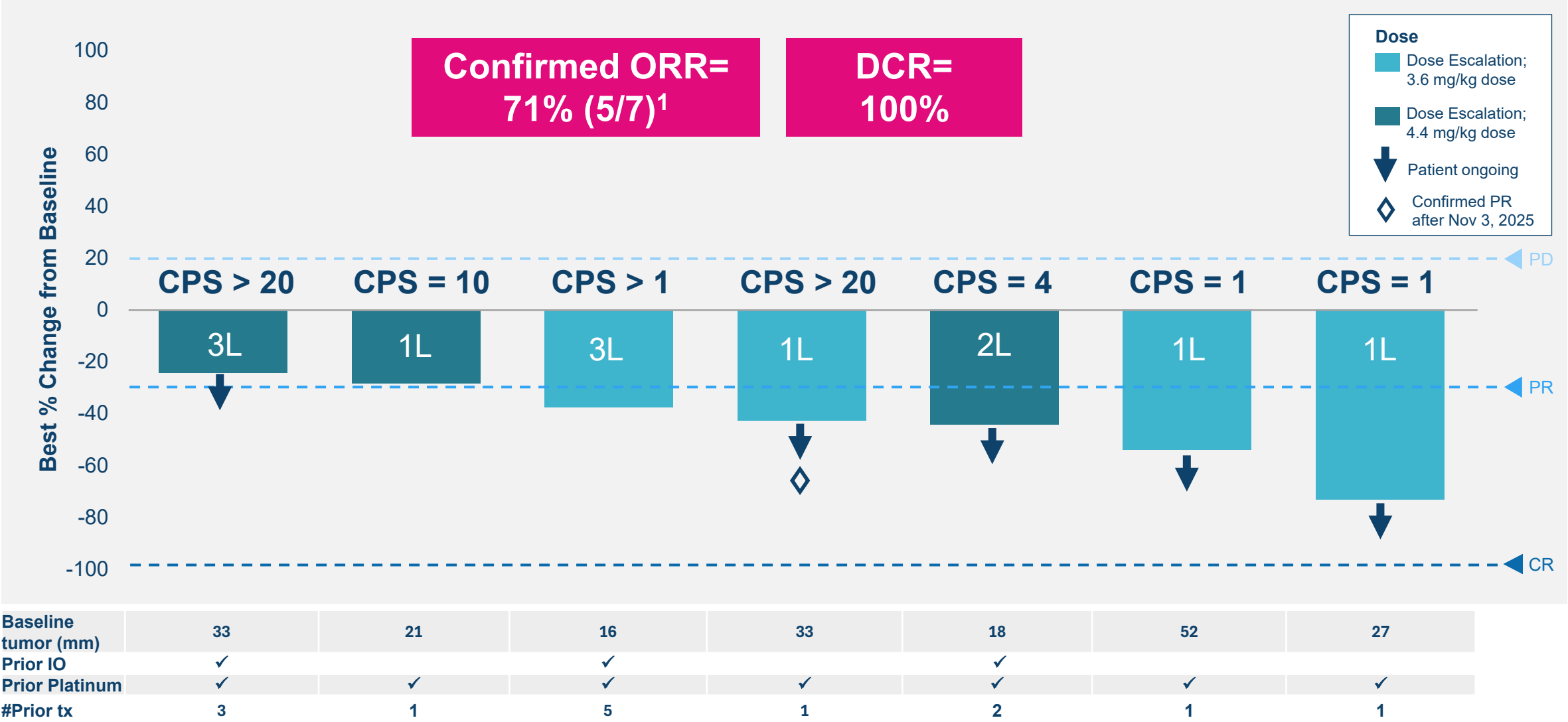
Data as of Nov 3, 2025

| Demographics                            | Total (N=7)   |
|-----------------------------------------|---------------|
| <b>Race</b>                             |               |
| Asian                                   | 0             |
| Black African American                  | 0             |
| White                                   | 7 (100%)      |
| Other                                   | 0             |
| <b>Age (years)</b>                      |               |
| Median (min-max)                        | 69 (57 – 76)  |
| <b>Baseline weight (kg)</b>             |               |
| Median (min-max)                        | 83 (65 – 107) |
| <b>Gender</b>                           |               |
| Male                                    | 7 (100%)      |
| <b>Baseline ECOG Performance Status</b> |               |
| 0                                       | 3 (43%)       |
| 1                                       | 4 (57%)       |
| Disease Characteristics                 | Total (N=7)   |
| <b>Line of Disease Setting</b>          |               |
| 1L HNSCC                                | 4 (57%)       |
| 2L+ HNSCC                               | 3 (43%)       |
| <b>HPV Status</b>                       |               |
| HPV Positive, n (%)                     | 7 (100%)      |

| 1L HNSCC Prior anti-Cancer Therapy                          | Total (N=4)   |
|-------------------------------------------------------------|---------------|
| Elapsed Time Since Initial Diagnosis (Yr), Median (min-max) | 1.7 (1.3-3.9) |
| Prior Systemic Therapy, Median Lines (min-max)              | 1 (1)         |
| Taxane, n (%)                                               | 1 (25%)       |
| Platinum, n (%)                                             | 4 (100%)      |
| Checkpoint Inhibitor, n (%)                                 | 0             |
| EGFR Targeting Agent, n (%)                                 | 0             |
| ADC, n (%)                                                  | 0             |
| 2L+ HNSCC Prior anti-Cancer Therapy                         | Total (N=3)   |
| Elapsed Time Since Initial Diagnosis (Yr), Median (min-max) | 4.3 (2.4-6.8) |
| Prior Systemic Therapy, Median Lines (min-max)              | 3 (2-5)       |
| Taxane, n (%)                                               | 1 (33%)       |
| Platinum, n (%)                                             | 3 (100%)      |
| Checkpoint Inhibitor, n (%)                                 | 3 (100%)      |
| EGFRi, n (%)                                                | 2 (67%)       |
| ADC, n (%)                                                  | 0             |

# Promising Preliminary Data with MICVO at 3.6 mg/kg and 4.4 mg/kg in Combination with KEYTRUDA®

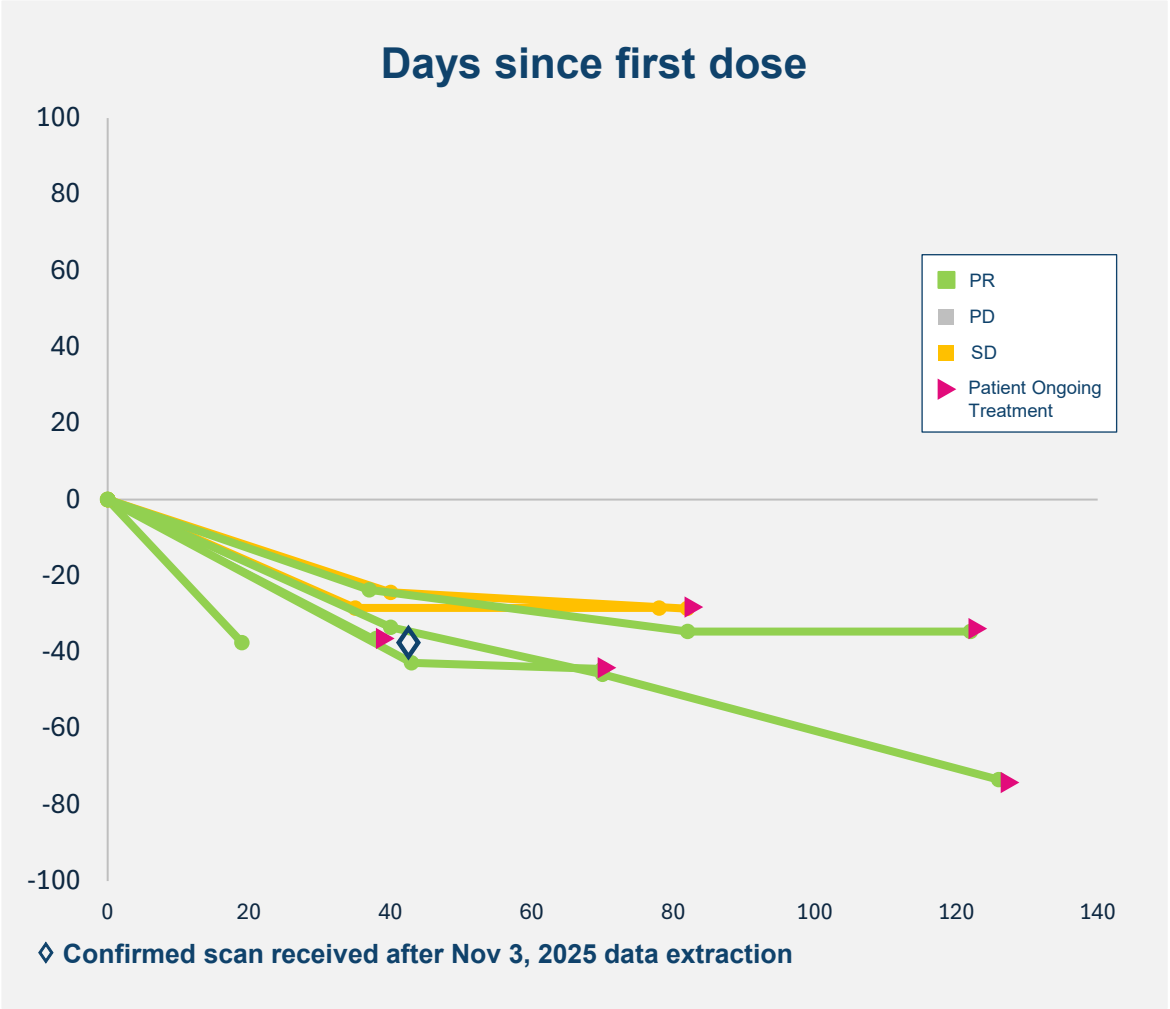
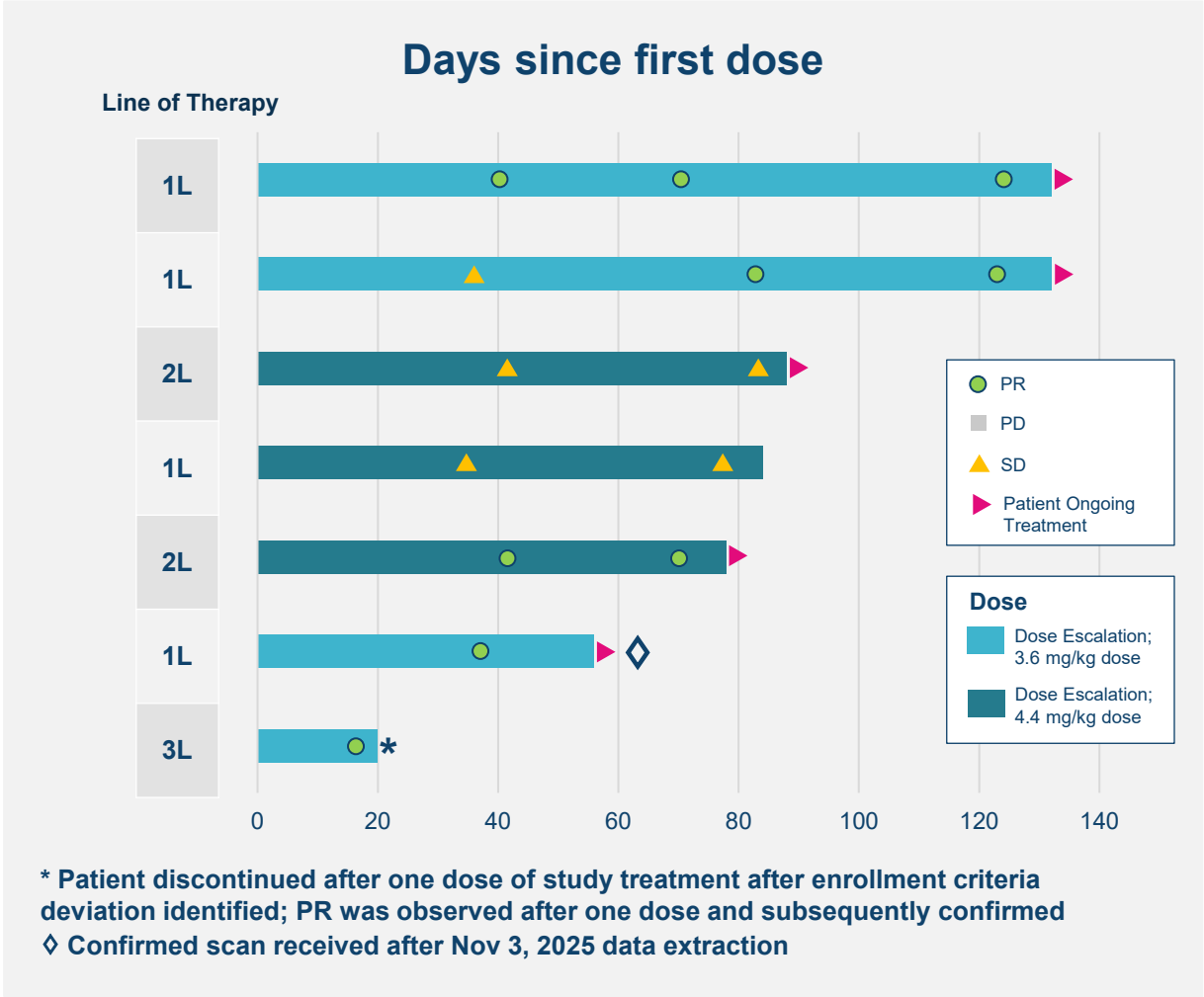
Data as of Nov 3, 2025





# Preliminary MICVO Combination Data with KEYTRUDA® Indicates Rapid Response with Disease Control; Durability Data Maturing

Data as of Nov 3, 2025



# MICVO + KEYTRUDA® Dose Escalation Safety in R/M HNSCC

*No Grade 3, Grade 4 or Grade 5 ADC payload TRAEs of interest*

Data as of Nov 3, 2025

| TRAEs                                      | 3.6 mg/kg | 4.4 mg/kg | Total   |
|--------------------------------------------|-----------|-----------|---------|
| N                                          | 4         | 3         | 7       |
| All TRAEs                                  | 3 (75%)   | 3 (100%)  | 6 (86%) |
| Grade 3/4 TRAEs                            | 0         | 0         | 0       |
| TRAEs leading to treatment discontinuation | 0         | 0         | 0       |
| TRAEs leading to dose reduction            | 0         | 1 (33%)   | 1 (14%) |
| TRAEs leading to dose delay                | 0         | 0         | 0       |
| Treatment related Deaths (Grade 5)         | 0         | 0         | 0       |

| ADC payload TRAEs of interest | 3.6 mg/kg |         |         | 4.4 mg/kg |         |         | Total     |         |         |
|-------------------------------|-----------|---------|---------|-----------|---------|---------|-----------|---------|---------|
|                               | Grade 1/2 | Grade 3 | Grade 4 | Grade 1/2 | Grade 3 | Grade 4 | Grade 1/2 | Grade 3 | Grade 4 |
| N                             | 4         | 4       | 4       | 3         | 3       | 3       | 7         | 7       | 7       |
| Cutaneous                     | 3 (75%)   | 0       | 0       | 2 (67%)   | 0       | 0       | 5 (71%)   | 0       | 0       |
| Neuropathy                    | 1 (25%)   | 0       | 0       | 0         | 0       | 0       | 1 (14%)   | 0       | 0       |
| Neutropenia                   | 0         | 0       | 0       | 0         | 0       | 0       | 0         | 0       | 0       |
| Ocular                        | 0         | 0       | 0       | 0         | 0       | 0       | 0         | 0       | 0       |
| Anemia                        | 1 (25%)   | 0       | 0       | 1 (33%)   | 0       | 0       | 2 (29%)   | 0       | 0       |
| Pneumonitis                   | 0         | 0       | 0       | 0         | 0       | 0       | 0         | 0       | 0       |

# Multiple MICVO Clinical Data Milestones Expected in 2026

**Fall  
2026**

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**Updated Data from  
2L+ R/M HNSCC  
Phase 1  
Monotherapy Study,  
including focus on  
dose cap**

**4Q  
2026**

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**Updated Data from  
1L R/M HNSCC  
Phase 1/2 Dose  
Escalation  
Combination Study**

# Appendix





# 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 |

# Recent Translational Posters Build on Previous Publications to Further Support Three-Pronged MOA of MICVO

## 1 Payload diffuses into & kills tumors cells

## 2 Additional Bystander killing

## 3 Immunogenic cell death

- **Highly specific and avidity driven binding to EDB+FN** [1, 2]
  - Lack of drug sink and no off-target binding support minimal off target effects
  - Strong binding strength to EDB+FN fibrils predicts the prolonged drug retention in TME for heightened clinical efficacy
- **Extracellular payload release** mediated by **tumor-specific cathepsins** [2]
- **Improved membrane permeability** for cancer cell diffusion and efficient bystander killing [2,3,4,5]
- **Optimized payload potency** by rational structure-based drug design (SBDD) to increase tumor cell killing [6]
- **pH-dependency favors linker cleavage in acidic TME** to minimize off-target toxicity [2]
- **Observed changes to tumor stromal architecture indicate potential for extracellular mechanism** to lead to unique TME remodeling and improve tumor response [7,8]

- **MICVO acts as a driver for the cancer-immunity cycle**, inducing immunogenic cell death, activating immune cells and allowing tumor infiltration of T cells [4]
- **Preclinical data support complementary potential with immune checkpoint inhibitors**
  - Mouse analog of MICVO showed immune response in tumors that had been refractory to anti-PD1 [9]
  - Synergistic antitumor activity when combined with anti-PD1 [9]

**Payload Driven**

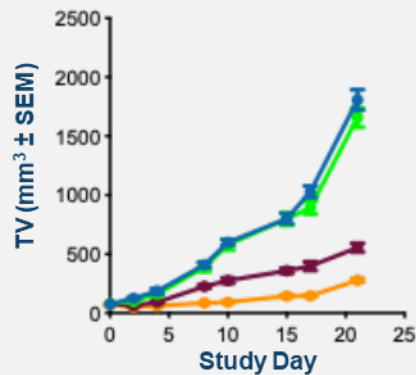
**Immune Driven**

# AACR 2026 Poster<sup>1</sup> - maMICVO Demonstrates Anti-Tumor Efficacy in an Immunotherapy-Refractory Syngeneic HNSCC Model

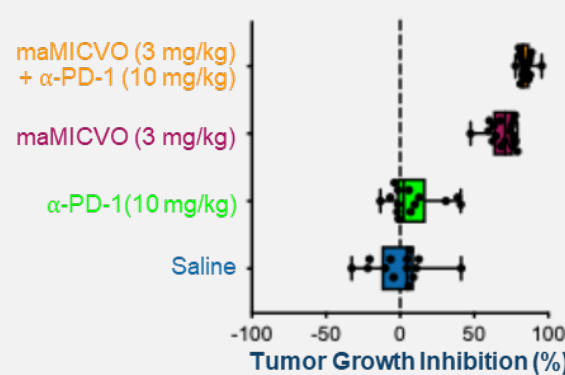
Findings support the clinical development of MICVO as both a monotherapy and in combination with pembrolizumab for R/M HNSCC

## MOC2 – HNSCC Anti-PD-1 refractory

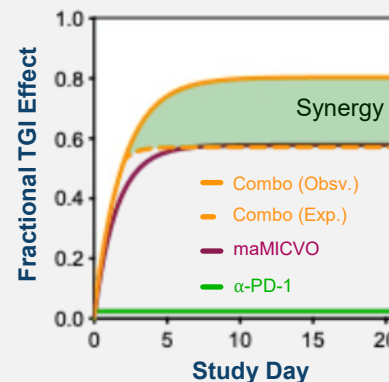
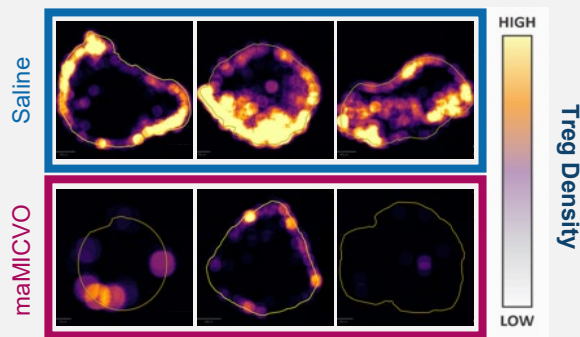
Tumor Efficacy Combination Therapy



Tumor Growth Inhibition (%) Day 21



MOC2 – Day 10



- Strengthens the evidence for MICVO's anti-tumor activity in HNSCC
- Promotes a more favorable immune microenvironment in HNSCC
- Supports its potential to enhance responses to anti-PD-1
- Highlights MICVO's potential to synergize with pembrolizumab and provide clinical benefit in patients with HNSCC who do not respond to checkpoint blockade

# MICVO Dose Linear PK Demonstrates No Antigen Sink (Q3W Dosing)

*Consistent with differentiated EDB+FN target expression in tumor ECM and negligible expression in normal tissue*

