

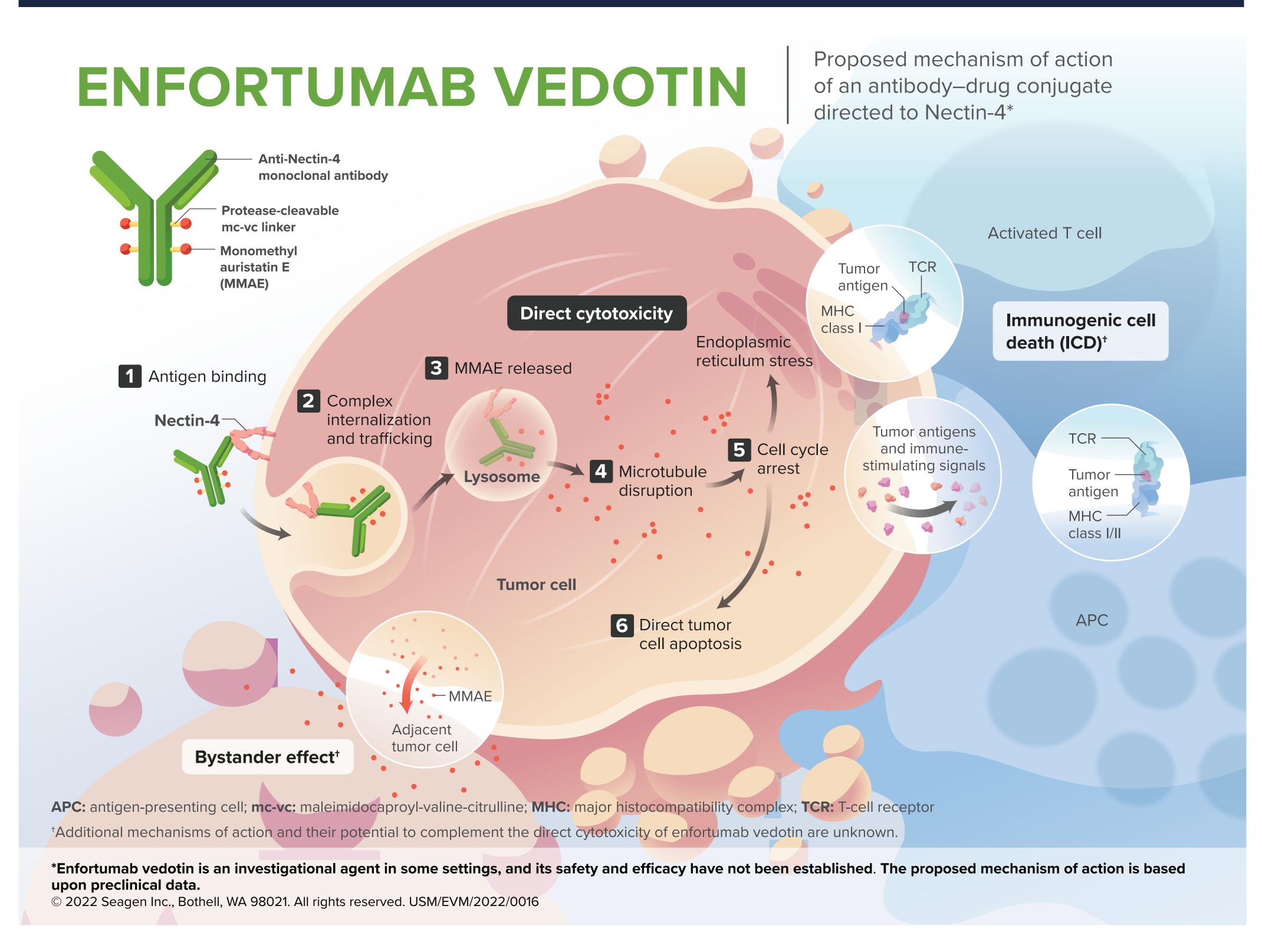
American Society of Clinical Oncology Genitourinary Cancers Symposium February 16–18, 2023 San Francisco, CA Abstract No. TPS582

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# Background

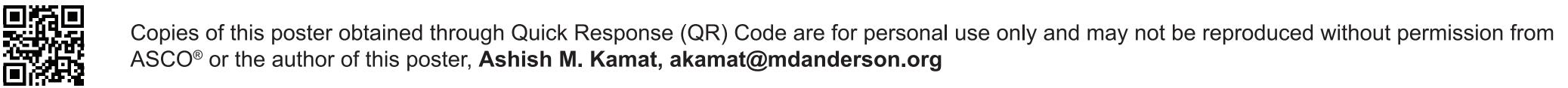
- A majority of patients with bladder cancer present with non-muscle invasive disease<sup>1–4</sup>
- Non-muscle invasive bladder cancer (NMIBC) with a higher risk of recurrence is typically treated with TURBT followed by intravesical BCG or chemotherapy
  - Although response rates to BCG are high, many patients recur within 1–5 years<sup>5</sup>
- Radical cystectomy is the standard of care for BCG-unresponsive disease<sup>1</sup>
- Other options are limited to intravesical chemotherapy or PD-1 inhibitors for patients who may be reluctant to undergo surgery<sup>6</sup>
- Enfortumab vedotin (EV) is an antibody-drug conjugate directed to Nectin-4, which is highly expressed in all stages of bladder cancers<sup>7</sup>
- EV is tolerable and effective in advanced urothelial cancers
- In a Phase 3 trial, intravenous EV monotherapy showed improved OS versus chemotherapy and a tolerable safety profile in patients with locally advanced/metastatic urothelial cancer, prior chemotherapy, and PD-1/L1 inhibitor treatment<sup>8</sup>
- In a Phase 1b/2 trial, antitumor activity and a tolerable safety profile has also been established in cisplatin-ineligible patients with MIBC in the neoadjuvant setting<sup>9</sup>
- This study will evaluate the intravesical administration of enfortumab vedotin for patients with BCG-unresponsive high-risk NMIBC



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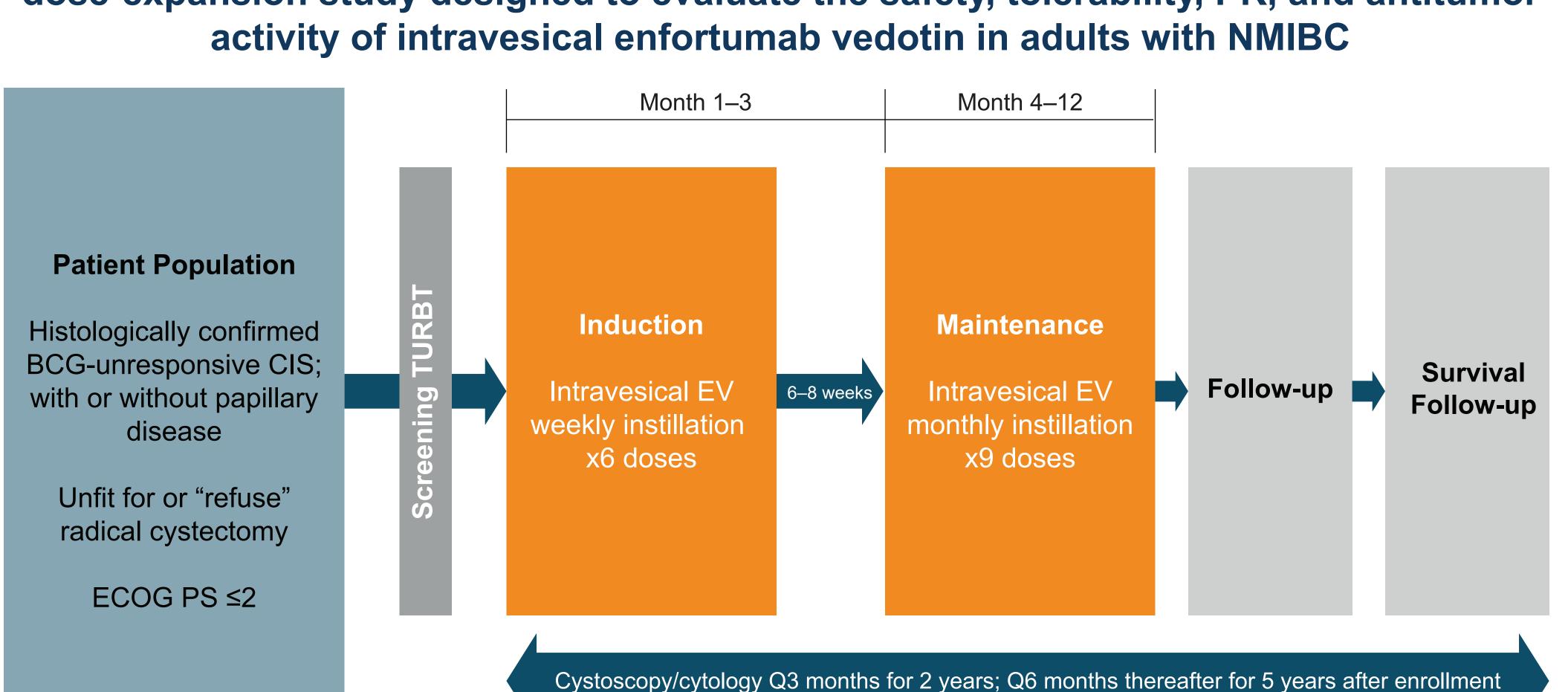
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# STUDY EV-104: PHASE 1 STUDY OF INTRAVESICAL ENFORTUMAB VEDOTIN FOR TREATMENT OF PATIENTS WITH NON-MUSCLE INVASIVE BLADDER CANCER (NMIBC) (TRIAL IN PROGRESS)

# EV-104 Study Design

# **Enfortumab Vedotin Proposed Mechanism of Action**



- The study treatment regimen will include an induction phase where patients will receive intravesical enfortumab vedotin weekly for 6 weeks followed by monthly maintenance for a total of 9 additional enfortumab vedotin doses
- To identify the recommended dose, escalation rules will be guided by the modified toxicity probability interval (mTPI) design using a Bayesian model for "escalation", "stay", or "de-escalation" (Approximately 18 patients)
- The recommended dose or MTD will be evaluated in up to 2 dose expansion cohorts (up to approximately 40 patients)

# **Key Inclusion Criteria**

- High-risk BCG-unresponsive disease
- Histologically confirmed, non-muscle invasive urothelial (transitional cell) carcinoma with carcinoma in situ, with or without papillary disease
- Predominant histologic component (>50%) must be urothelial (transitional cell) carcinoma
- Ineligible for or refusing a cystectomy
- ECOG PS ≤2
- Estimated life expectancy of >2 years

# **Key Exclusion Criteria**

- Current or prior history of muscle-invasive UC or metastatic disease
- Concomitant upper tract or urethral disease
- Any prior radiation to the bladder for UC

### **Abbreviations**

AE, adverse event; BCG, Bacillus Calmette-Guerin; CIS, carcinoma in situ; CR, complete response; DLT, dose-limiting toxicity; ECOG PS, Eastern Cooperative Oncology Performance Status; EV, enfortumab vedotin; Fc, fragment crystallizable; MIBC, muscle-invasive bladder cancer; MMAE, monomethyl auristatin E; MTD, maximum tolerated dose; mTPI, modified toxicity probability interval; NMIBC, non-muscle invasive bladder cancer; OS, overall survival; PD-1/L1, programmed cell death protein 1/programmed death –ligand 1; PFS, progression-free survival; PK, pharmacokinetics; Q, every; SAE, serious adverse event; TURBT, transurethral resection of the bladder tumor; UC, urothelial carcinoma

### Acknowledgements

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Thank you to our patients and their families for their participation and to all research personnel for their support of this important trial. Under the guidance of the authors, assistance in medical writing was provided by Sarah Canestaro, MS of Populus Group, Troy, MI, supported by Seagen Inc. in accordance with Good Publication Practice guidelines.

# EV-104 (NCT05014139) is a Phase 1, open-label, multicenter, dose-escalation and dose-expansion study designed to evaluate the safety, tolerability, PK, and antitumor

# Eligibility

# after this for five years

### Primary Objective

To evaluate the safety and tolerat atients with NMIBC To identify the MTD or recommend EV in patients with NMIBC

### Key Secondary Objectives

To assess the PK of intravesical E

To assess the antitumor activity of measured by CR rate

To assess the duration of CR, PFS. survival

### • EV-104 aims to:

- expansion cohort(s))
- and EU



# Key Study Assessments

## Safety and Tolerability

• Surveillance and recording of AEs, including SAEs, recording of concomitant medications, and measurements of protocol-specified physical examination findings and laboratory tests

### Efficacy

• Patients will be assessed by cystoscopy and urine cytology at screening, every 3 months (±2 weeks) from the first induction dose for the first 2 years, and every 6 months (±2 weeks)

Annual upper tract imaging as clinically indicated during treatment

• Bladder mapping biopsies by local assessment at 12 months

# **Objectives and Associated Endpoints**

	Primary Endpoint
oility of intravesical EV in	Type, incidence, severity, seriousness, and relatedness of AEs Type, incidence, and severity of laboratory abnormalities
ded dose of intravesical	Incidence of DLTs and cumulative safety by dose level
	Key Secondary Endpoints
EV	Estimates of selected PK parameters
EV f intravesical EV as	Estimates of selected PK parameters CR rate at any time on study and CR rates at 3, 6, 12, 18, and 24 months
	CR rate at any time on study and CR rates at 3, 6, 12, 18, and 24

## Summary

I) identify the maximum tolerated dose (MTD) and/or recommended dose of intravesical enfortumab vedotin (dose escalation); and

2) evaluate safety and antitumor activity for patients at the MTD or recommended dose (dose

Enrollment began in January 2022 and sites are currently enrolling in the US, Canada, UK,