

Üroteliyal Kanserlerde Tedavi Seçenekleri

ASCO-GU 2026

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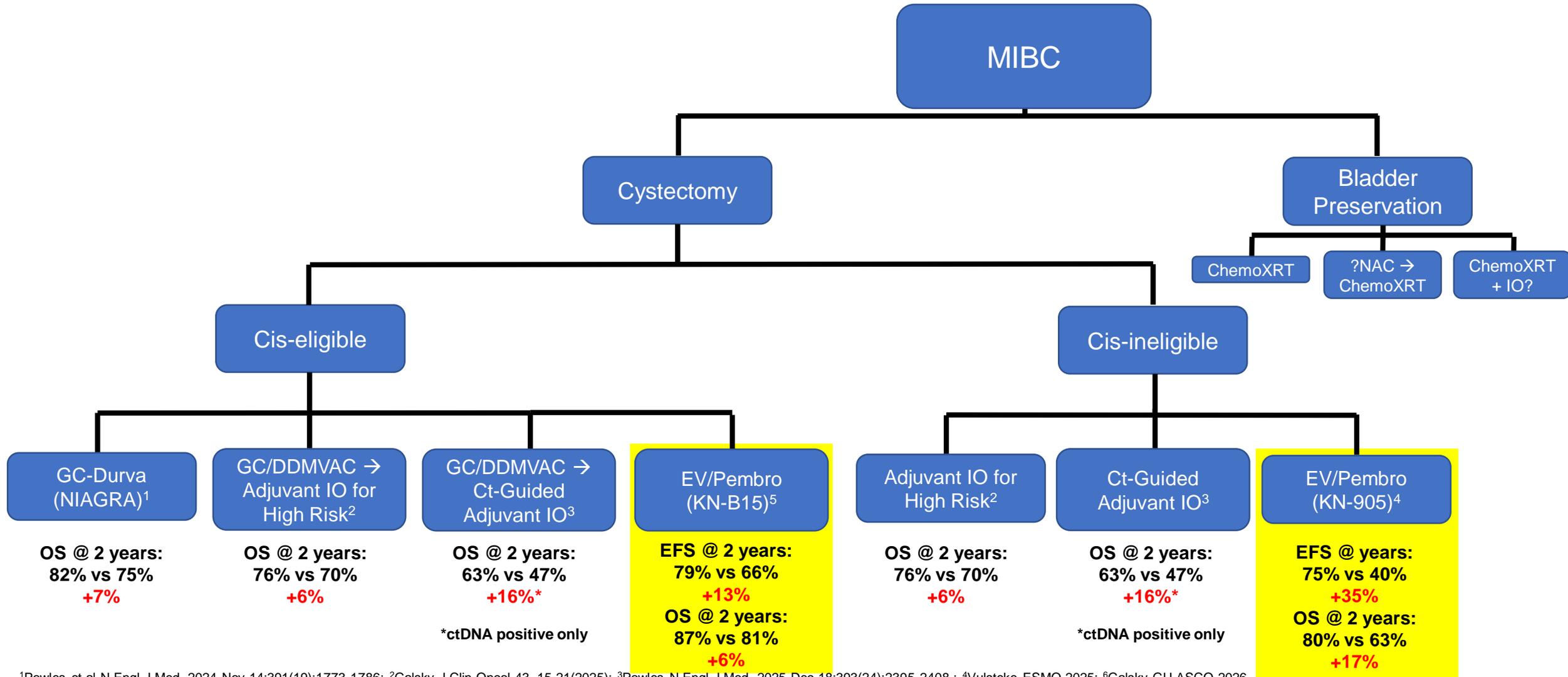
Ders Planı

- **Neoadjuvan tedaviler**
- **Adjuvan Tedaviler**
- **Evre IV birinci basamak**
- **Evre IV birinci basamak sonrası**
- **Yeni tedavi seçenekleri**
- **Erken dönem hastalık evresinde yeni seçenekler**

Üroteliyal Kanserlerde Tedavi Seçenekleri ASCO-GU 2026

Lokal ileri Neoadjuvan/Adjuvan Dönem Yenilikler

Lokal ileri ürotelyal kanser tedavi seçenekleri



¹Powles et al N Engl J Med. 2024 Nov 14;391(19):1773-1786; ²Galsky J Clin Oncol 43, 15-21(2025); ³Powles N Engl J Med. 2025 Dec 18;393(24):2395-2408.; ⁴Vulsteke ESMO 2025; ⁵Galsky GU ASCO 2026

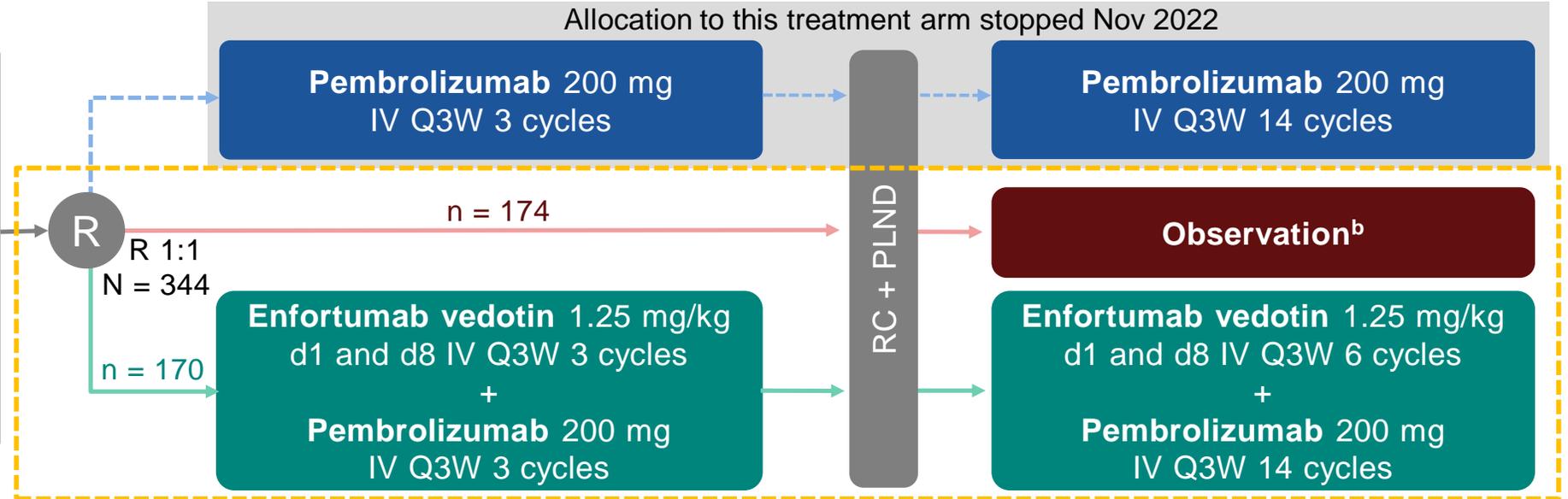
KEYNOTE-905/EV-303 Study (NCT03924895)

Key Eligibility Criteria

- Adults with MIBC
- **Clinical stage T2-T4aN0M0 or T1-T4aN1M0 by central assessment**
- **≥50% urothelial histology**
- **Cisplatin ineligible^a or cisplatin declining**
- ECOG PS score 0-2

Stratification Factors

- Cisplatin ineligibility (ineligible vs eligible but declining)
- Clinical stage (T2N0 vs T3/T4aN0 vs T1-4aN1)
- Region (US vs EU vs most of world)



End points

Primary: EFS by BICR

Key secondary:

- OS
- Pathologic complete response (pCR; absence of viable tumor in tissue from RC + PLND [pT0N0])^c

Other secondary:

- Pathologic downstaging (pDS; <pT2 [pT0, pTis, pTa, pT1] and N0 in tissue from RC + PLND)^c
- Disease-free survival (DFS; time from post-surgery scan to local/distant recurrence or death)^{c,d}

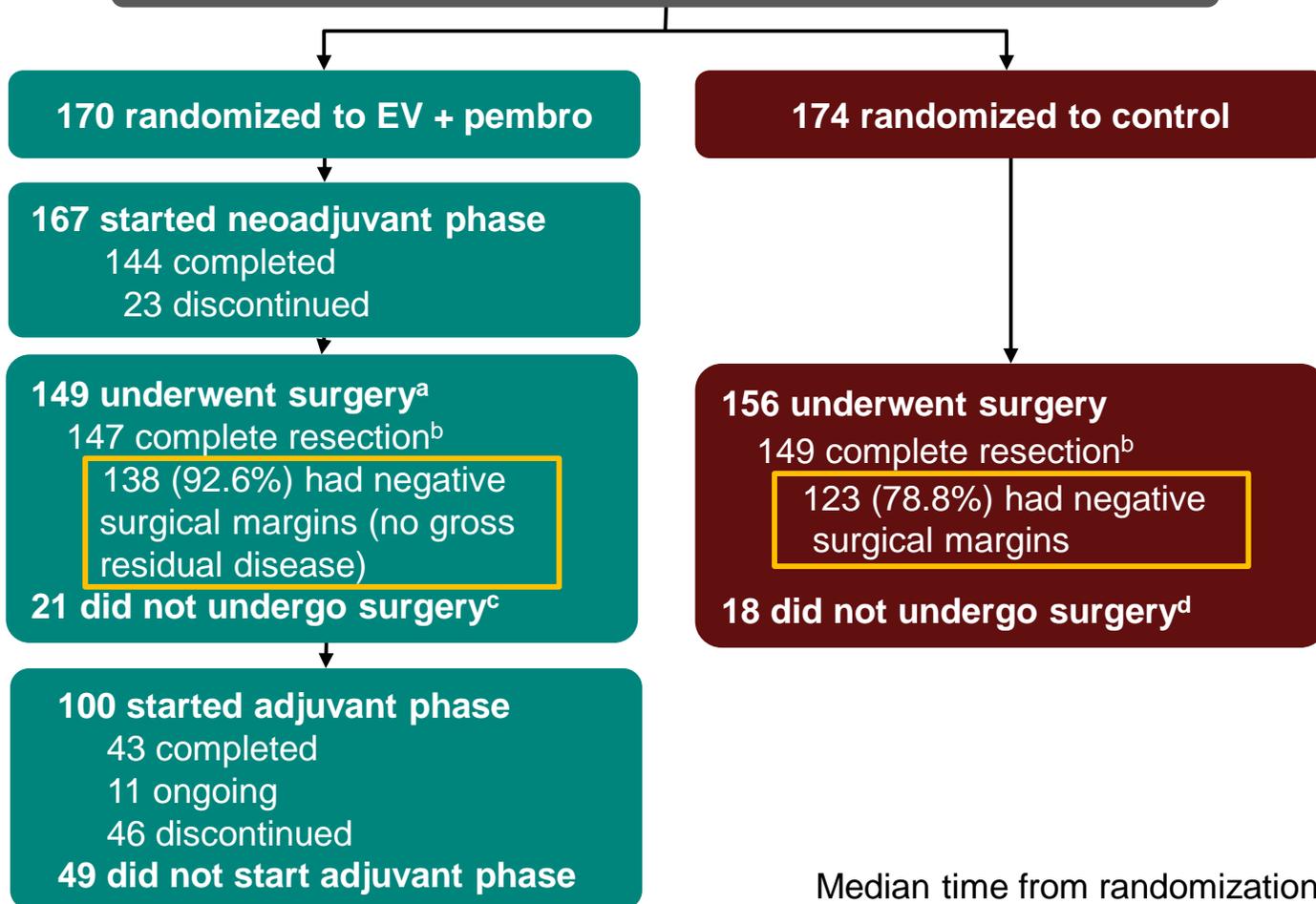
BICR, blinded independent central review; d, day; ECOG PS, Eastern Cooperative Oncology Group performance status; EFS, event-free survival; IV, intravenous; MIBC, muscle-invasive bladder cancer; NYHA, New York Heart Association; OS, overall survival; PLND, pelvic lymph node dissection; Q3W, every 3 weeks; R, randomization; RC, radical cystectomy.

^aProtocol defined as having ≥1 of the following: impaired renal function (creatinine clearance, 30 to 59 mL/min), ECOG PS score 2, CTCAE v4 grade ≥2 audiometric hearing loss, or NYHA Class III heart failure.

^bAs of November 2022, adjuvant nivolumab was permitted when clinically indicated and regionally available. ^cAssessed by central pathology or BICR. ^dParticipants were considered disease-free after RC + PLND if they had complete resection (no gross residual disease) and no evidence of disease on a post-surgery scan.

Disposition and Demographics

344 participants randomized Dec 15, 2020, to Jun 6, 2024



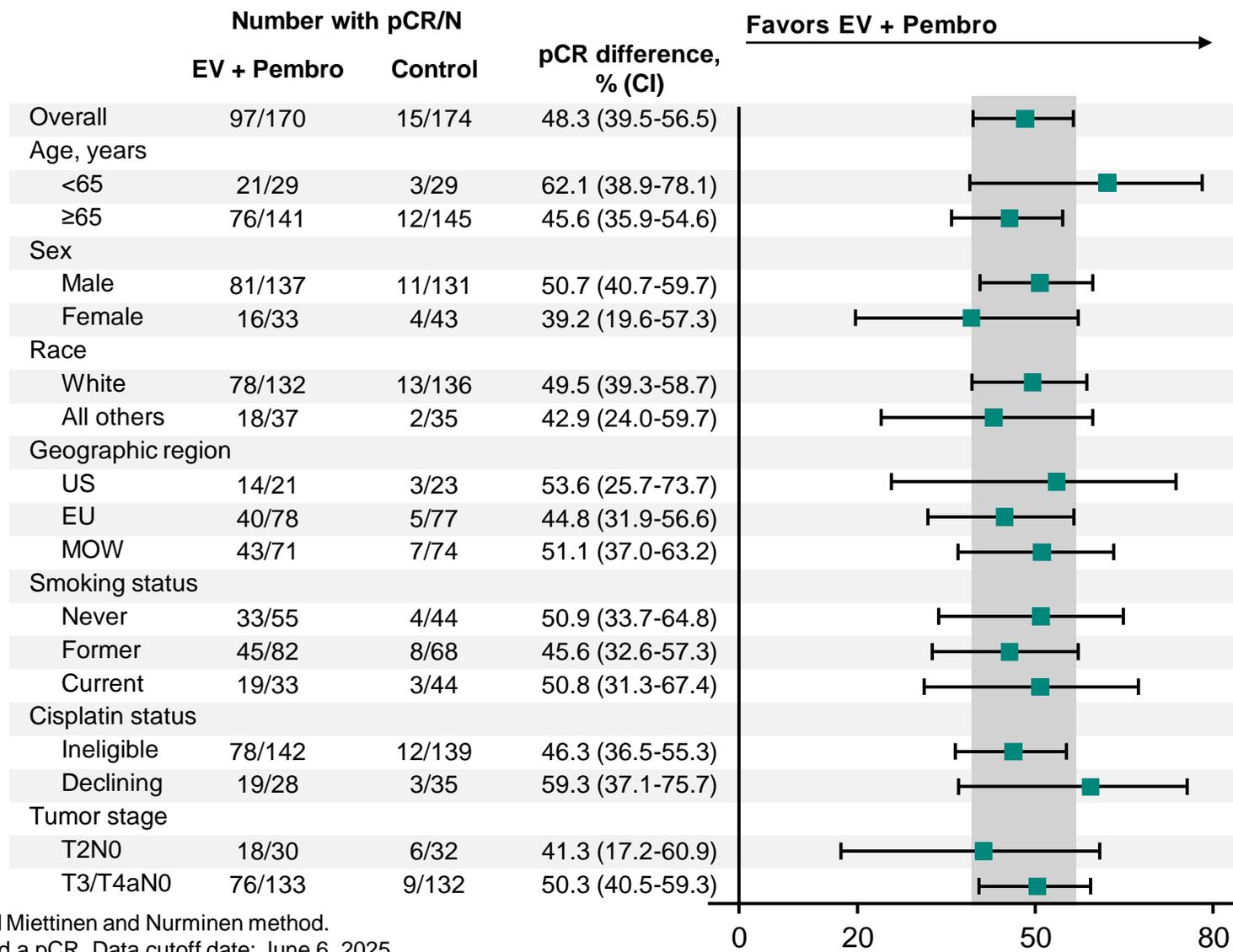
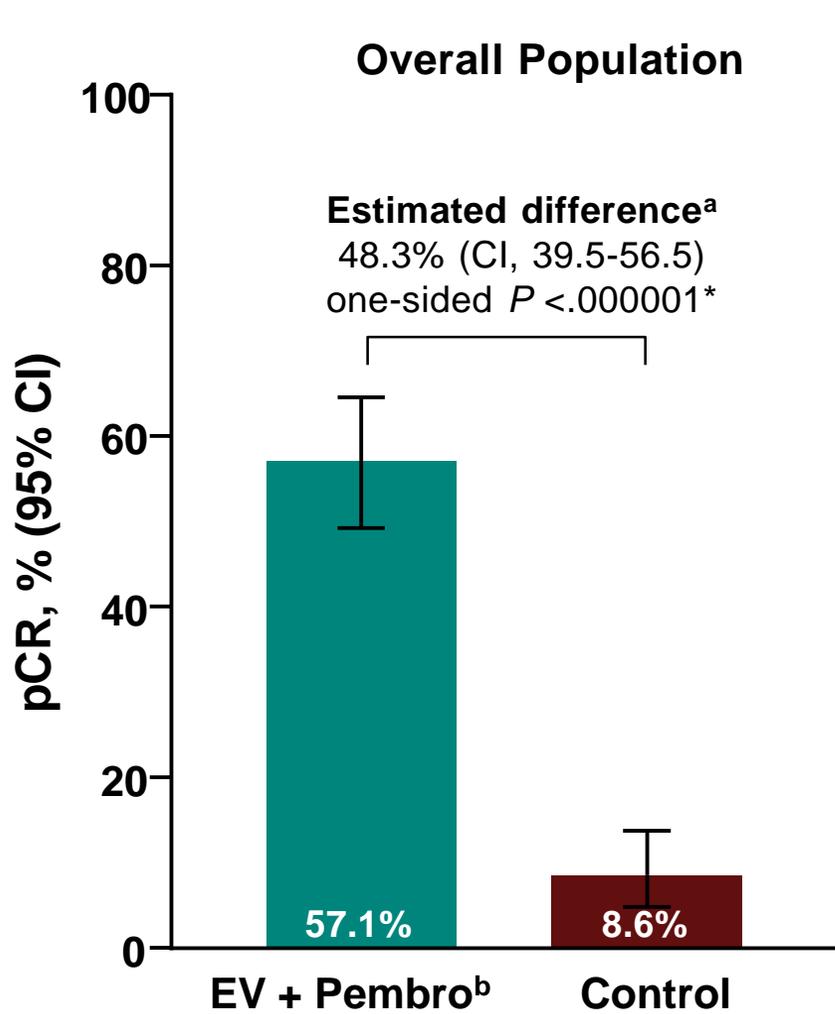
| Characteristic, n (%) | EV + Pembro (n = 170) | Control (n = 174) |
|---|--------------------------|----------------------|
| Median age (range), years | 74.0 (47-87) | 72.5 (46-87) |
| Male | 137 (80.6) | 131 (75.3) |
| ECOG PS 2 | 21 (12.4) | 26 (14.9) |
| Cisplatin eligibility status | | |
| Ineligible | 142 (83.5) | 139 (79.9) |
| Eligible but declining | 28 (16.5) | 35 (20.1) |
| PD-L1 CPS ≥10 | 80 (47.1) | 83 (47.7) |
| Tumor stage at baseline by central assessment | | |
| T2N0 | 30 (17.6) | 32 (18.4) |
| T3/T4aN0 | 133 (78.2) | 132 (75.9) |
| T1-4aN1 | 7 (4.1) | 10 (5.7) |
| Pure UC histology | 152 (89.4) | 161 (92.5) |

Median time from randomization to data cutoff date: **25.6 months (range, 11.8-53.7)**

CPS, combined positive score; EV, enfortumab vedotin; PD-L1, programmed cell death ligand 1; pembro, pembrolizumab; UC, urothelial carcinoma.

^aIncluded 3 participants who received surgery without on-study neoadjuvant therapy. ^bIncomplete resection included: unresectable tumor, newly discovered metastatic disease, or other. ^c10 withdrawal by participant, 7 adverse event, 3 progressive disease, and 1 physician decision. ^d13 withdrawal by participant, 3 adverse event, 1 lost to follow-up, and 1 physician decision. Data cutoff date: June 6, 2025.

pCR by BICR in the ITT Population

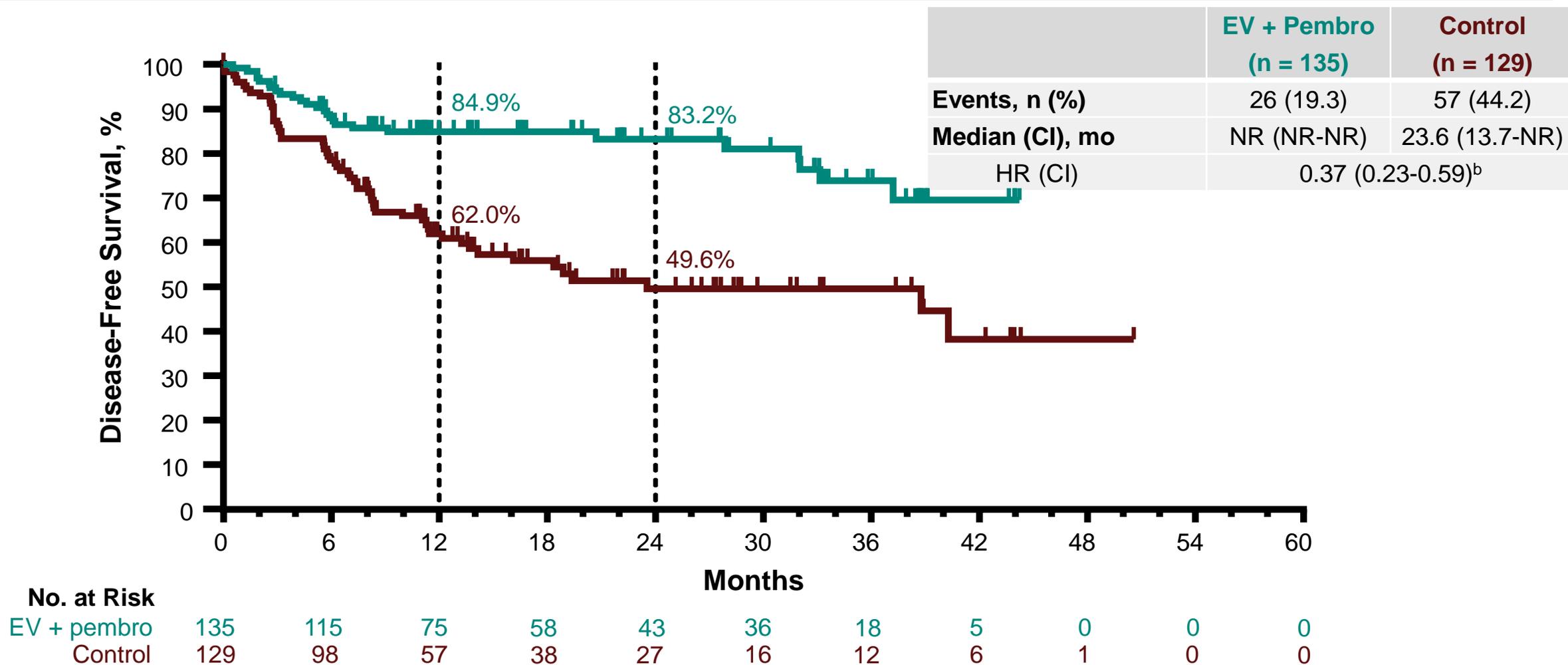


MOW, most of world.

*Denotes statistical significance (one-sided boundary .00025). ^aBased on the stratified Miettinen and Nurminen method.

^b97 of 149 participants (65.0%) who underwent surgery and received EV + pembro had a pCR. Data cutoff date: June 6, 2025.

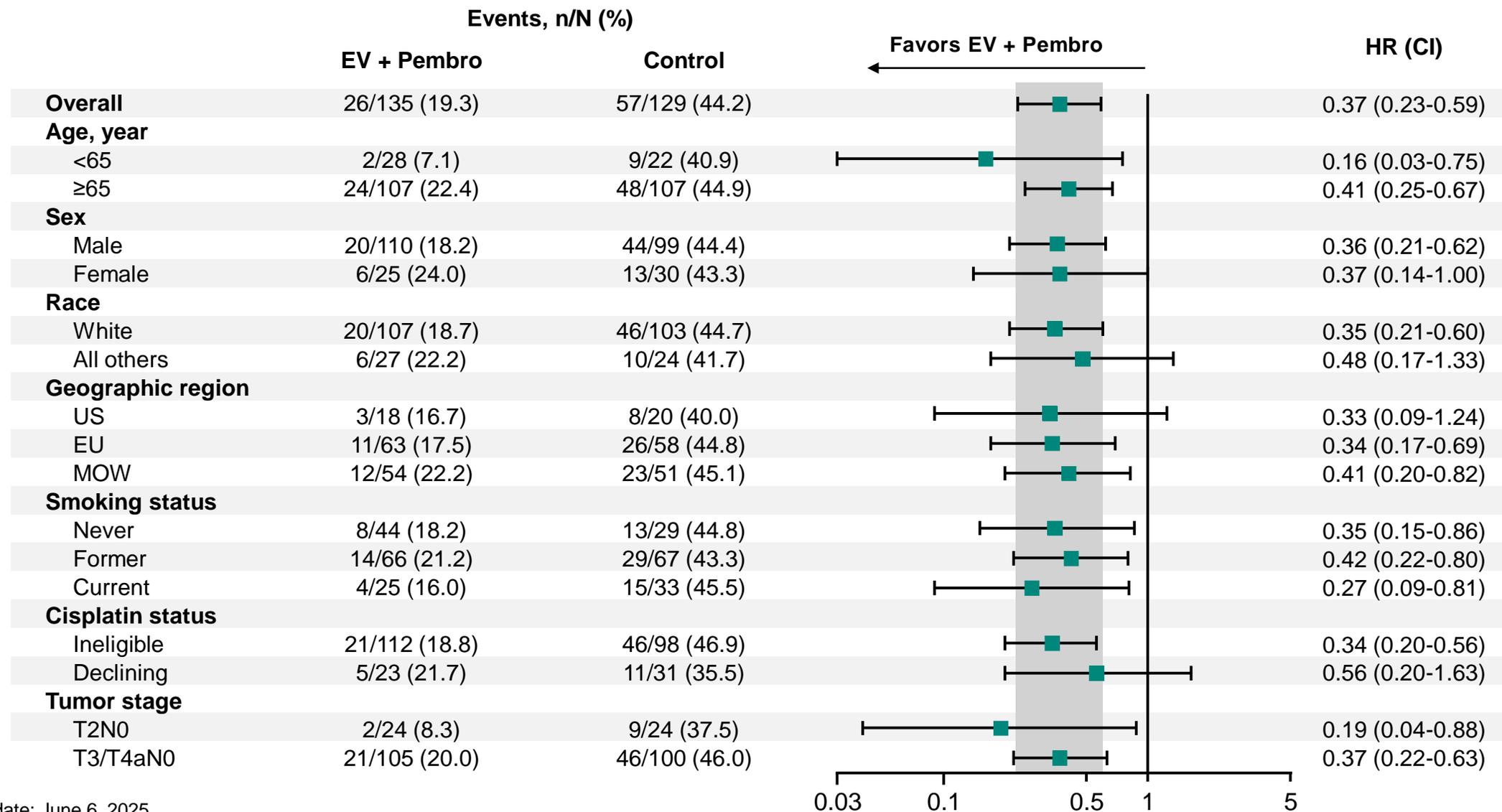
Disease-Free Survival by BICR^a



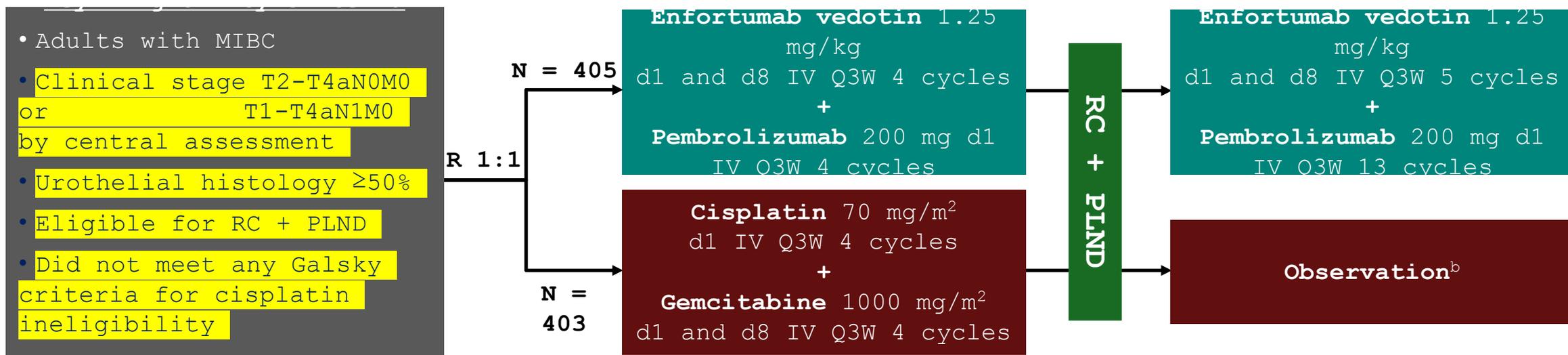
HR, hazard ratio; NR, not reached.

^aParticipants were considered disease-free after RC + PLND for DFS analysis if they had complete resection (no gross residual disease) and no evidence of disease on a post-surgery scan. ^bBased on Cox regression model with the Efron method of tie handling with treatment as a covariate. Data cutoff date: June 6, 2025.

Disease-Free Survival: Subgroups



KEYNOTE-B15/EV-304 Study (NCT04700124)



Stratification Factors

- PD-L1 status (CPS ≥10 vs. <10)^a
- Clinical stage (T2N0 vs. T3/T4aN0 vs. T1-4aN1)
- Geographic region (US vs. EU vs. Most of World)

Primary endpoint: Event-free survival (EFS) by BICR

Key secondary endpoints: OS and pathological complete response (pCR; pT0N0, i.e. absence of viable tumor in examined tissue from surgery) by central pathologist review

Other secondary endpoints include: Safety

BICR, blinded independent central review; CPS, combined positive score; IV, intravenous; Q3W, every 3 weeks.

^aAssessed by PD-L1 IHC 22C3 pharmDx (Agilent, Carpinteria, CA); CPS = # PD-L1–staining cells (tumor cells, lymphocytes, and macrophages) ÷ total # viable tumor cells × 100.

^bAs of Feb 2023, adjuvant nivolumab was permitted when clinically indicated and regionally available.

Data cutoff date: 27 October 2025

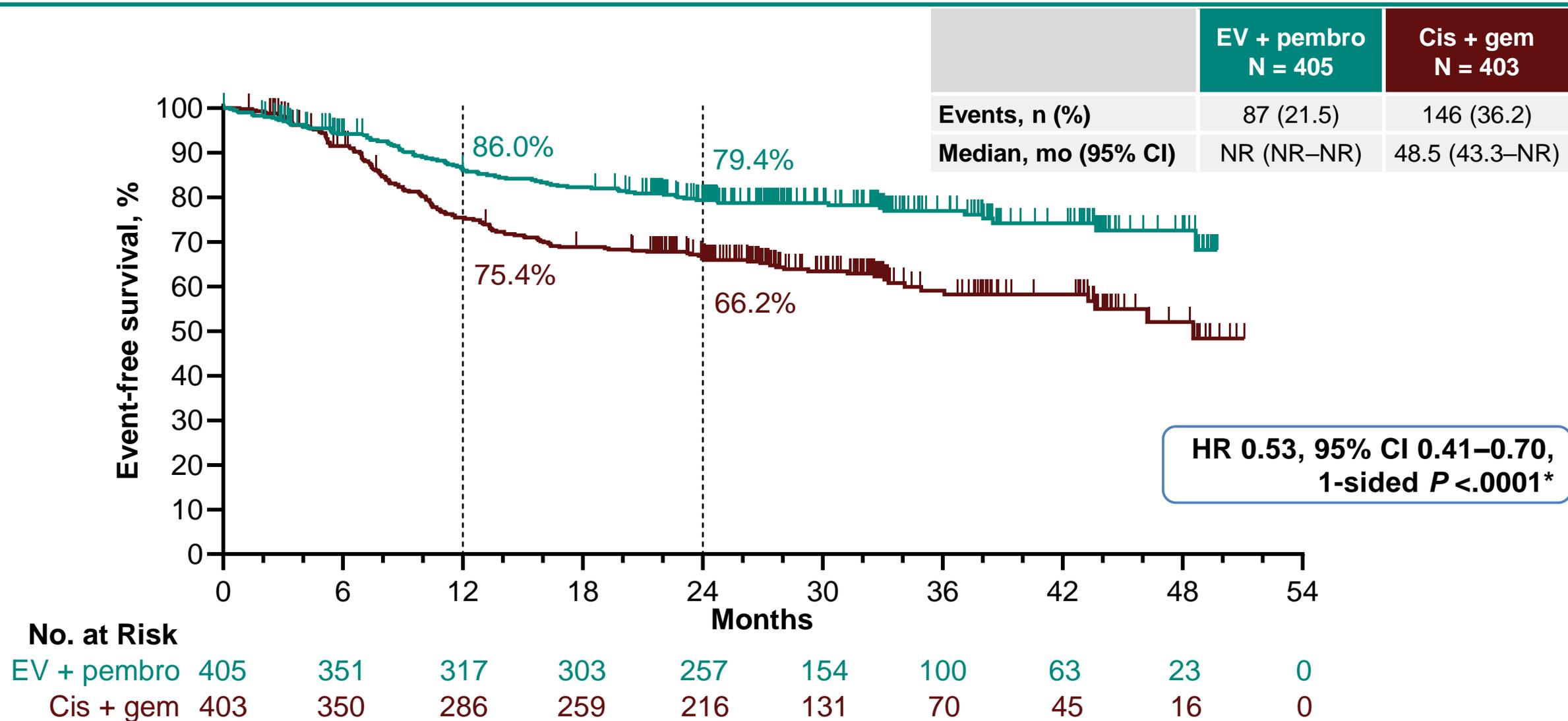
Baseline Characteristics

| Characteristic, n (%) | EV + pembro N = 405 | Cis + gem N = 403 |
|---|------------------------|----------------------|
| Median age (range), years | 66.0 (35–83) | 66.0 (37–85) |
| ≥65 years | 247 (61.0) | 247 (61.3) |
| Male | 327 (80.7) | 327 (81.1) |
| ECOG PS | | |
| 0 | 317 (78.3) | 310 (76.9) |
| 1 | 88 (21.7) | 93 (23.1) |
| Region | | |
| United States | 59 (14.6) | 59 (14.6) |
| European Union | 206 (50.9) | 205 (50.9) |
| Most of world | 140 (34.6) | 139 (34.5) |
| PD-L1 CPS | | |
| ≥10 | 233 (57.5) | 230 (57.1) |
| <10 | 171 (42.2) | 173 (42.9) |
| Missing | 1 (0.2) | 0 |
| Tumor stage at baseline (central assessment) ^a | | |
| T2N0 | 79 (19.5) | 77 (19.1) |
| T3/T4aN0 | 293 (72.3) | 293 (72.7) |
| T1-4aN1 | 33 (8.1) | 33 (8.2) |
| Pure urothelial carcinoma histology | 370 (91.4) | 353 (87.6) |
| Creatinine clearance | | |
| ≥90 mL/min | 149 (36.8) | 156 (38.7) |
| ≥60 and <90 mL/min | 252 (62.2) | 245 (60.8) |
| ≥30 and <60 mL/min ^b | 4 (1.0) | 2 (0.5) |

^aUsing both pathology of transurethral resection of bladder tumor specimen and imaging. **By investigator assessment, 287 pts (70.9%) in the EV + pembro arm and 296 pts (73.4%) in the cis + gem arm had T2N0 stage MIBC at baseline.** ^bProtocol deviation.

Primary Endpoint: EFS by BICR

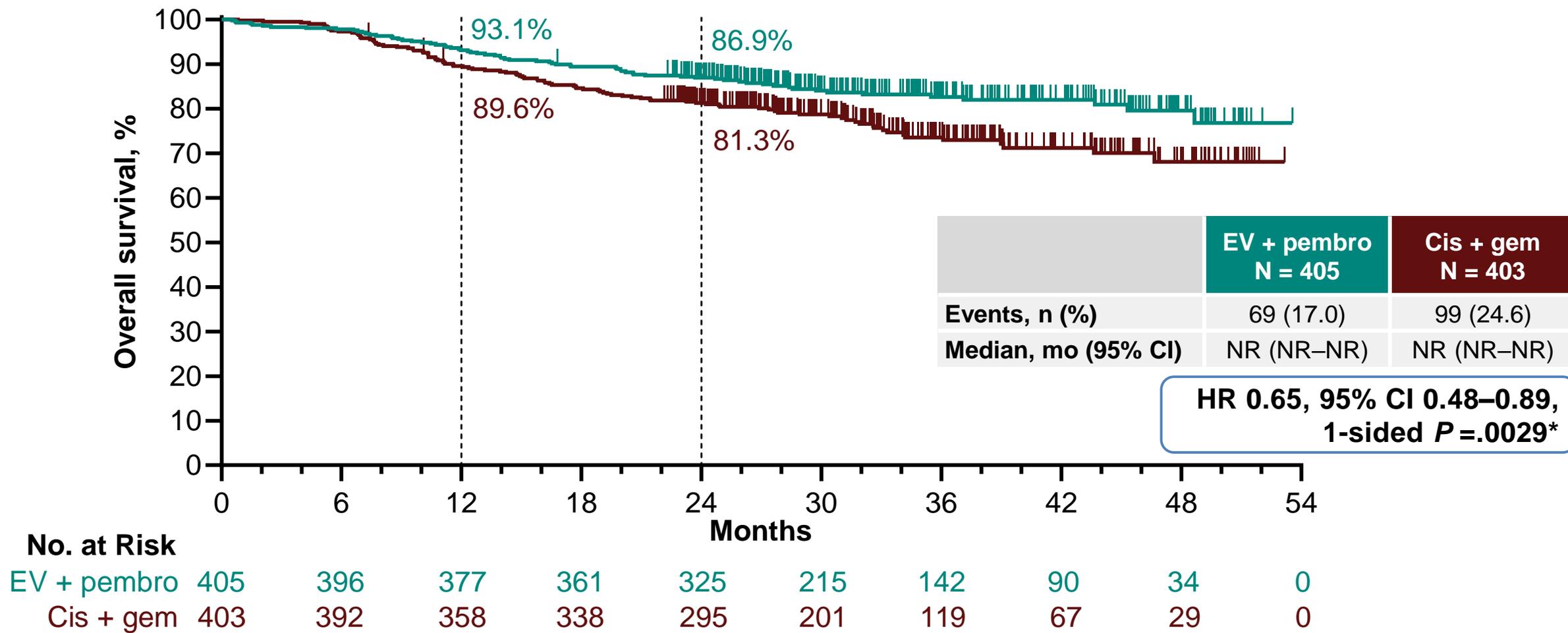
ITT Population



NR, not reached. * denotes statistical significance (one-sided boundary 0.0082).

Key Secondary Endpoint: OS

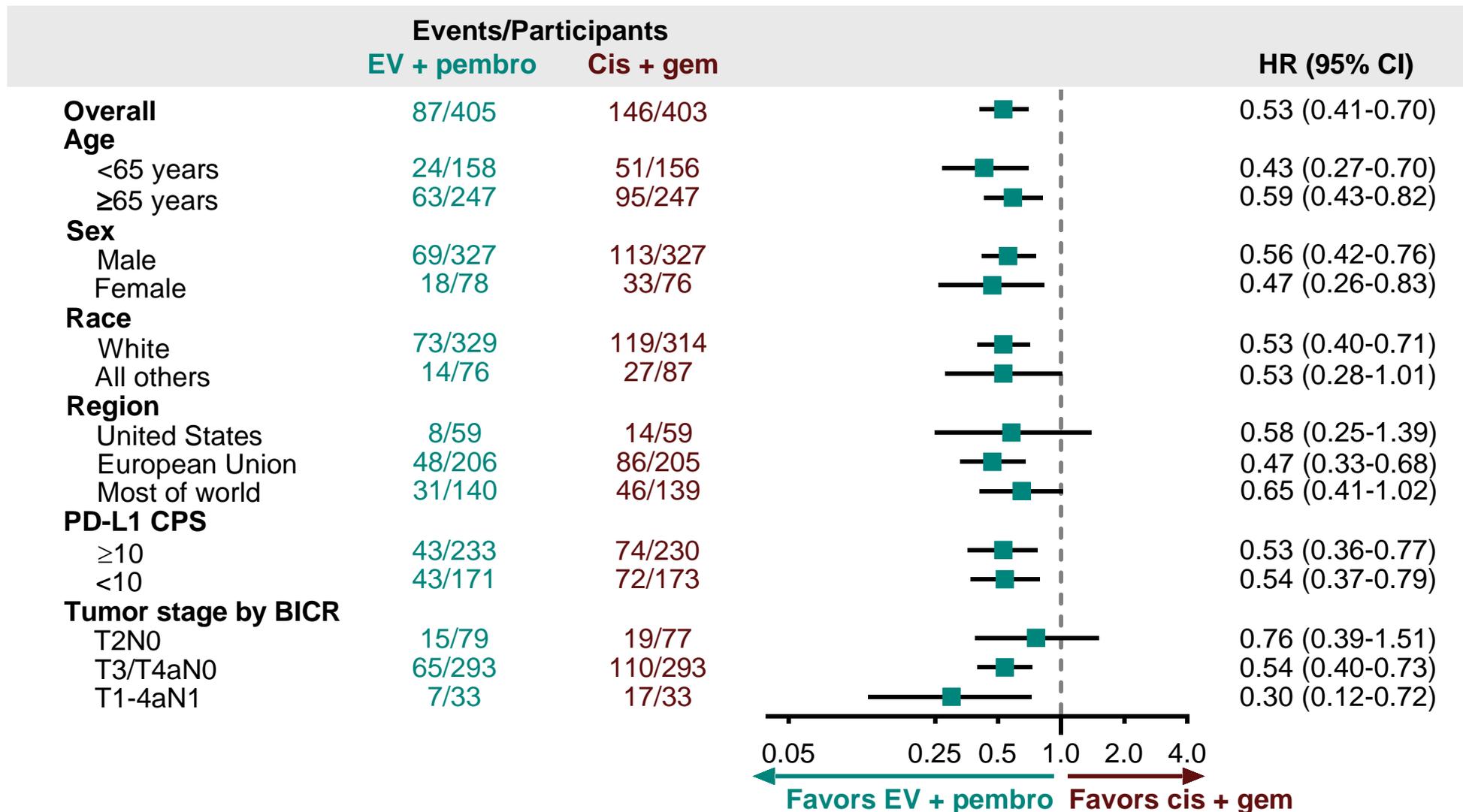
ITT Population



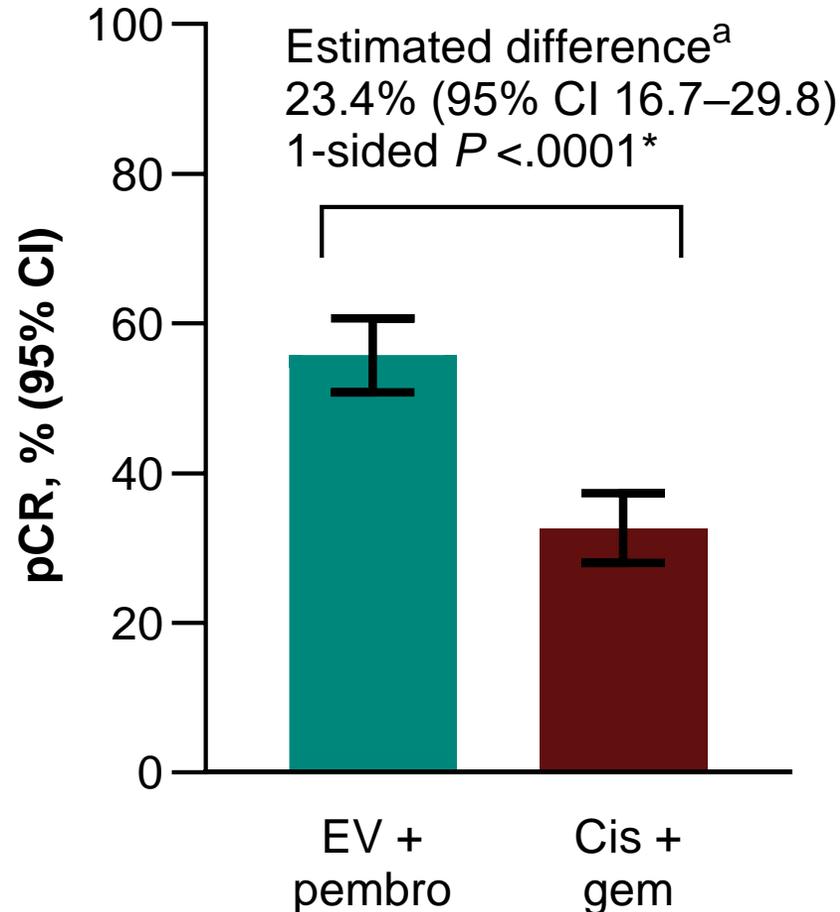
- In total, 44/87 (50.6%) of pts with an EFS event in the EV + pembro arm and 86/146 (58.9%) of pts with an EFS event in the cis + gem arm received any subsequent systemic therapy

EFS by BICR in Key Subgroups

ITT Population



Key Secondary Endpoint: pCR by Central Pathology Review ITT Population



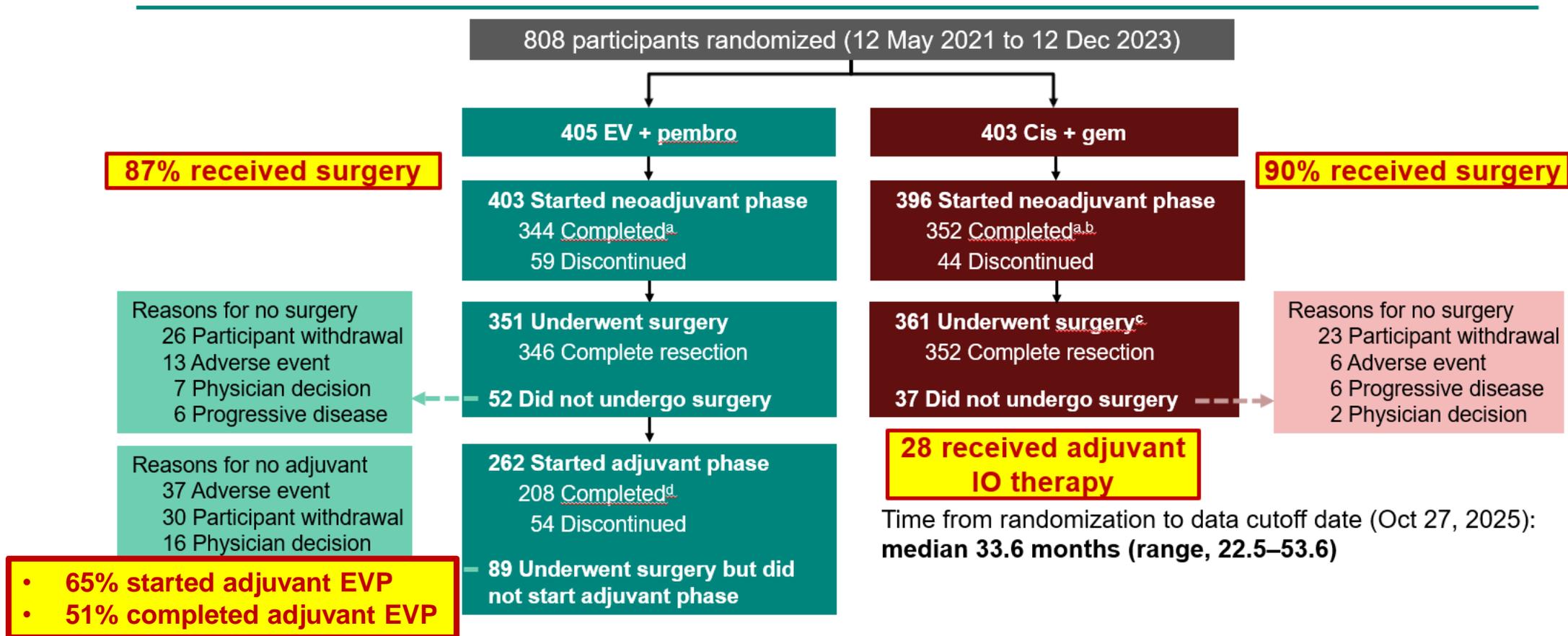
| | EV + pembro N = 405 | Cis + gem N = 403 |
|-------------------------|------------------------|----------------------|
| pCR, n | 226 | 131 |
| pCR rate, % (95% CI) | 55.8 (50.8–60.7) | 32.5 (28.0–37.3) |

- **pCR:** defined as absence of viable tumor in examined tissue from RC + PLND (pT0N0)
- Pts who discontinued study therapy prior to definitive surgery were classified as non-responders
- Out of pts who underwent surgery, 226/351 (64.4%) in the EV + pembro arm and 131/361 (36.3%) in the cis + gem arm had pCR

* denotes statistical significance (one-sided boundary 0.001).

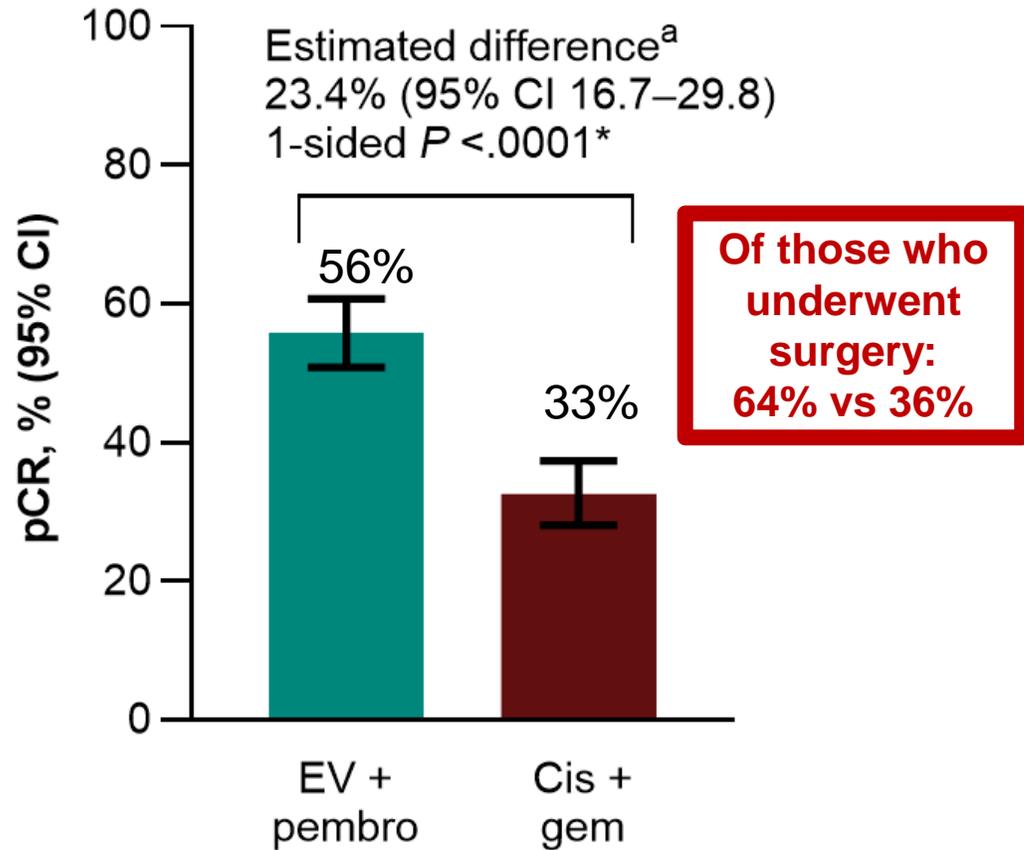
^aBased on stratified Miettinen and Nurminen method.

Patient Disposition

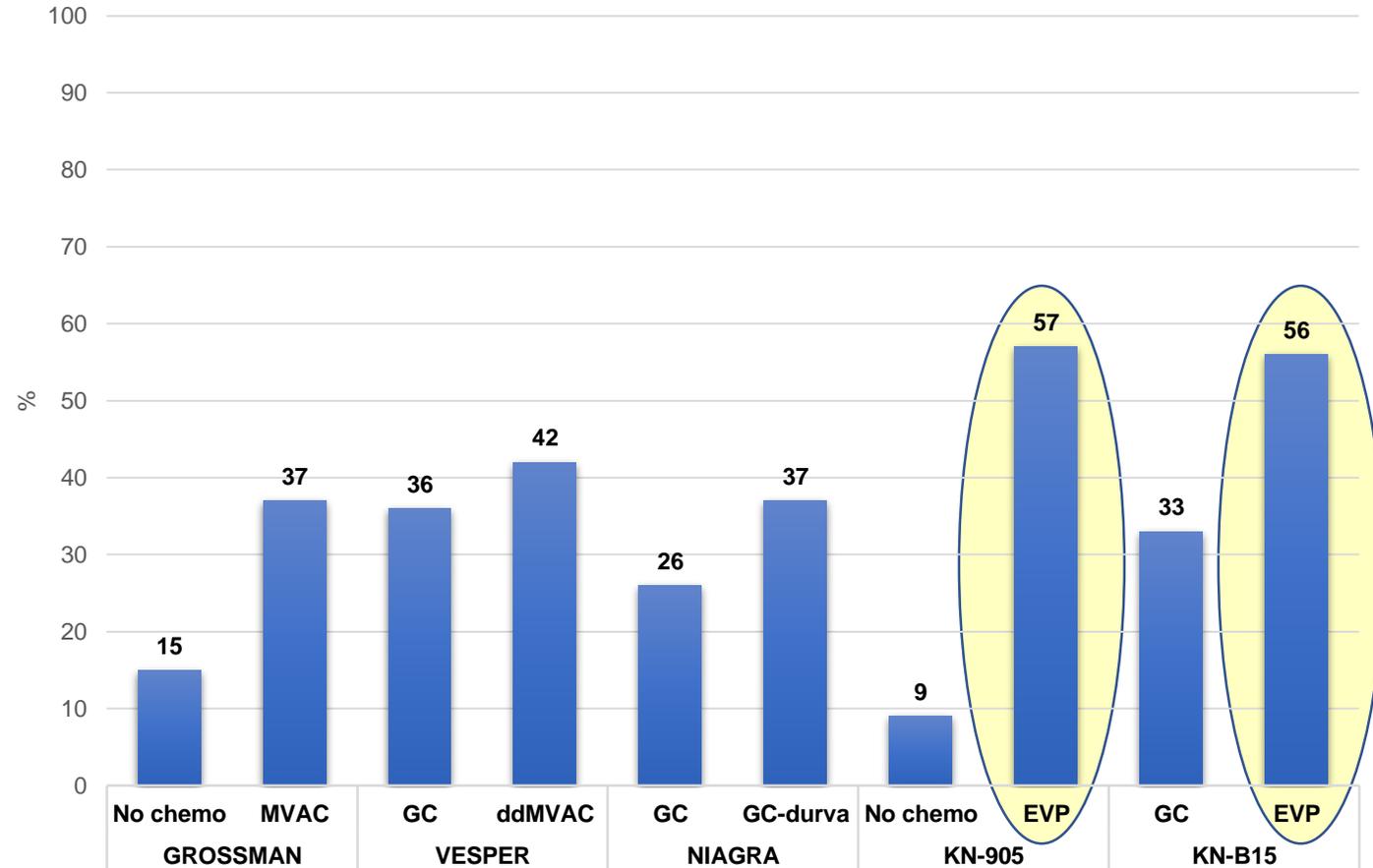


^aIndicates pt received 4 cycles of at least 1 of the 2 study drugs (EV or pembro or cis or gem). ^b29/396 pts (7.3%) received all cis + gem cycles with split-dose cisplatin.
^cTwo participants underwent surgery but did not start neoadjuvant cis + gem. ^dCompleted indicates a pt received 5 adjuvant cycles of EV or 13 adjuvant cycles of pembro.

Complete Pathologic Response Across Trials



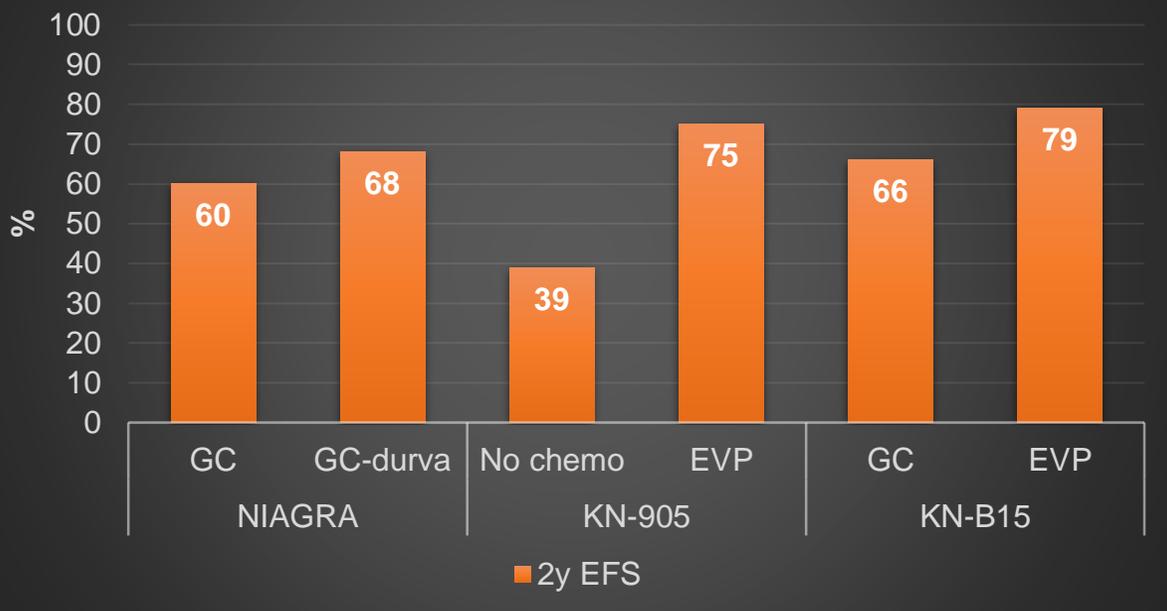
Pathologic Complete Rate Across MIBC Trials



Powles et al N Engl J Med. 2024 Nov 14;391(19):1773-1786; Vulsteke ESMO 2025; Galsky GU ASCO 2025; Grossman N Engl J Med. 2003 Aug 28;349(9):859-66; Pfister J Clin Oncol. 2022 Jun 20;40(18):2013-2022.

EFS and OS across MIBC Trials

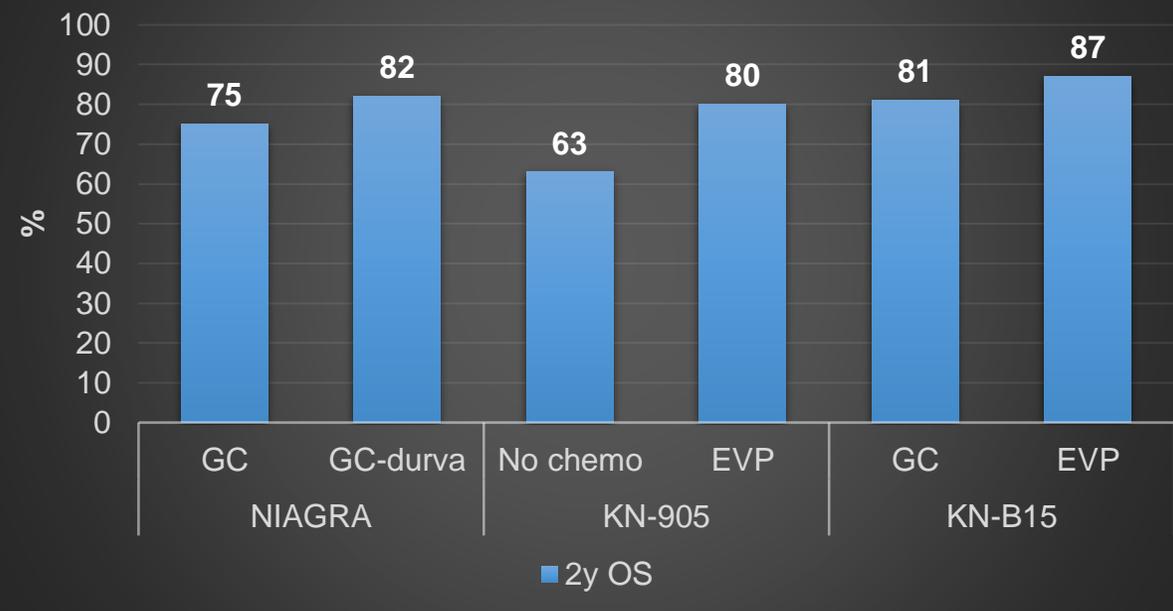
2 Year EFS



HR 0.68
@ median 42 months

HR 0.53
@ median 33 months

2 Year OS



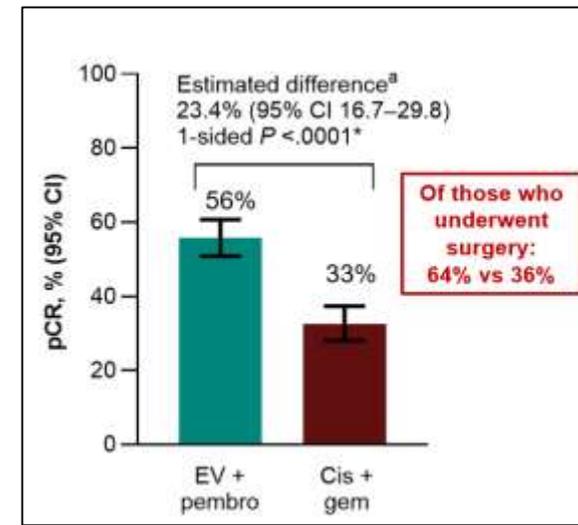
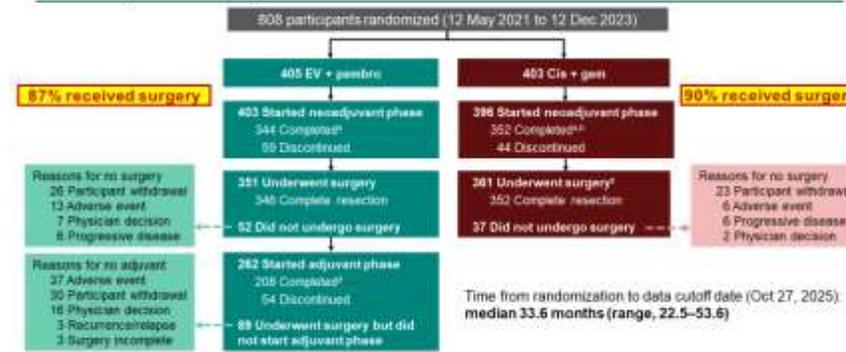
HR 0.75
@ median 46 months

HR 0.65
@ median 33 months

Powles et al N Engl J Med. 2024 Nov 14;391(19):1773-1786; ²Galsky J Clin Oncol 43, 15-21(2025); ³N Engl J Med. 2025 Dec 18;393(24):2395-2408.; ⁴Vulsteke ESMO 2025; ⁶Galsky GU ASCO 2026

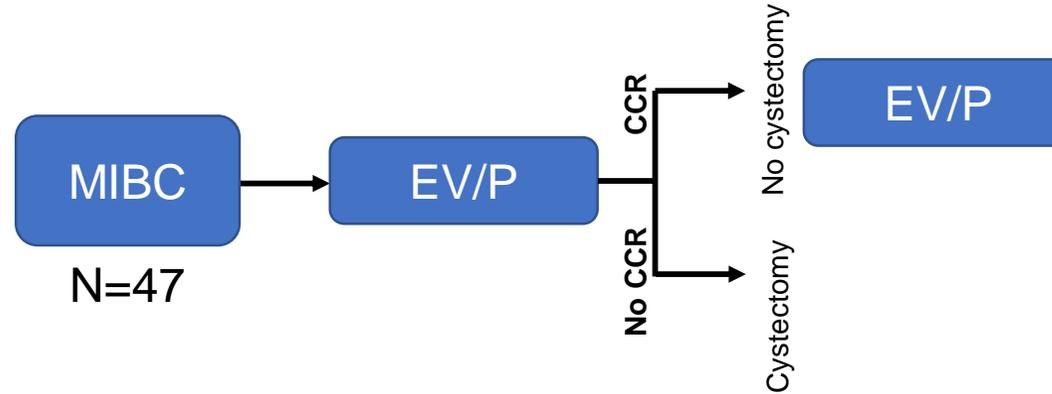
Ongoing Bladder Preservation Trials with EV/P

Participant Disposition



EV/P Alone

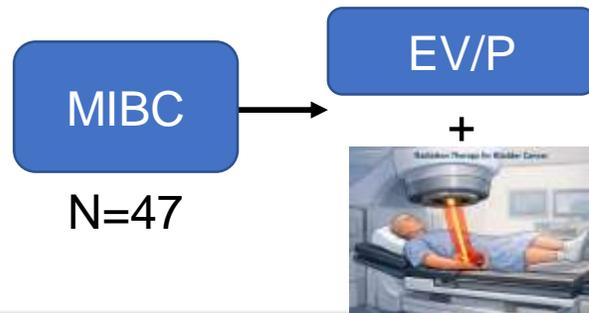
NCT06809140



PI: Matt Galsky

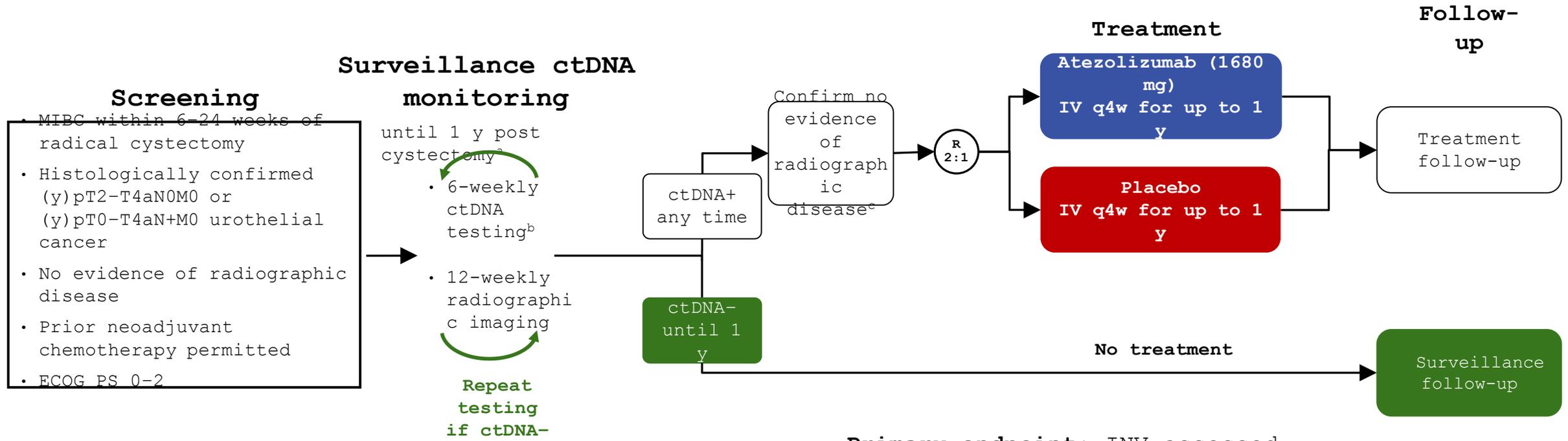
EV/P with Radiation

EV-PRIME (NCT06470282)



PI: Vadim Koshkin

IMvigor011 study design



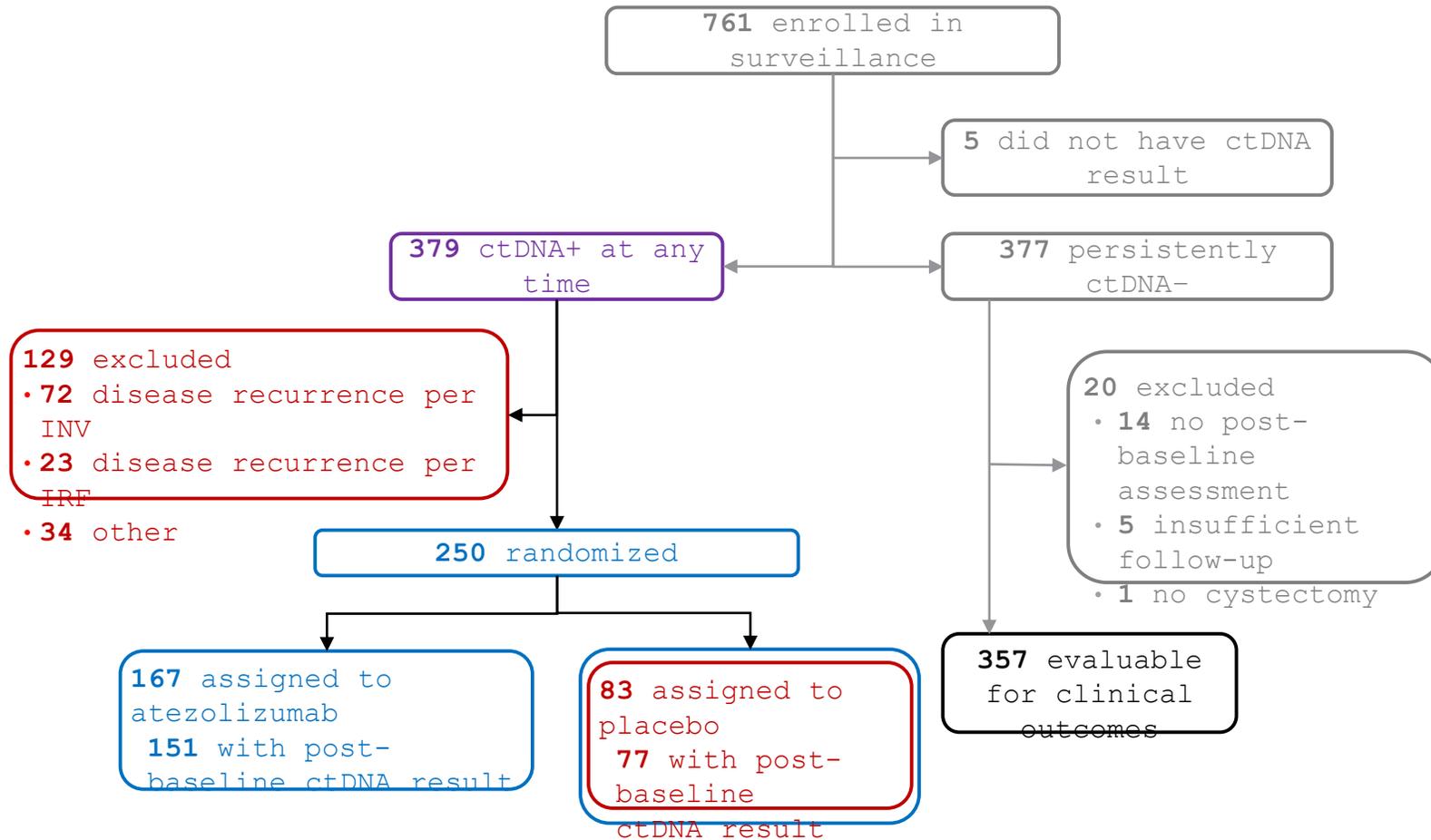
Primary endpoint: INV-assessed DFS

Key secondary endpoint: OS

The global, randomized, Phase III IMvigor011 trial was designed to evaluate ctDNA-guided adjuvant atezolizumab vs placebo in patients with MIBC

ClinicalTrials.gov number, NCT04660344. Stratification factors were nodal status (positive vs negative), tumor stage at cystectomy (\leq pT2 vs pT3/pT4), PD-L1 status (IC0/1 [$<5\%$] vs IC2/3 [$\geq 5\%$] by VENTANA SP142 immunohistochemistry assay) and time from cystectomy to 1st ctDNA+ sample (≤ 20 vs > 20 weeks). ^a Early versions of the protocol included a 21-mo surveillance ctDNA monitoring period. ^b ctDNA status was determined by the Natera Signatera[™] MRD test (outside of mainland China) and by the BGI MRD test (in mainland China). ^c By INV and IRF assessment. ctDNA(+/-), circulating tumor DNA(-positive/-negative); DFS, disease-free survival; ECOG PS, Eastern Cooperative Oncology Group performance status; IC, immune cells; INV, investigator; IRF, independent review facility; IV, intravenous; OS, overall survival; PD-L1, programmed death-ligand 1; q4w, every 4 weeks; R, randomized; y, year. Adapted from Powles T, et al. ESMO 2025 (Abstract LBA8) with permission.

Consort diagram and analysis populations



Analysis populations

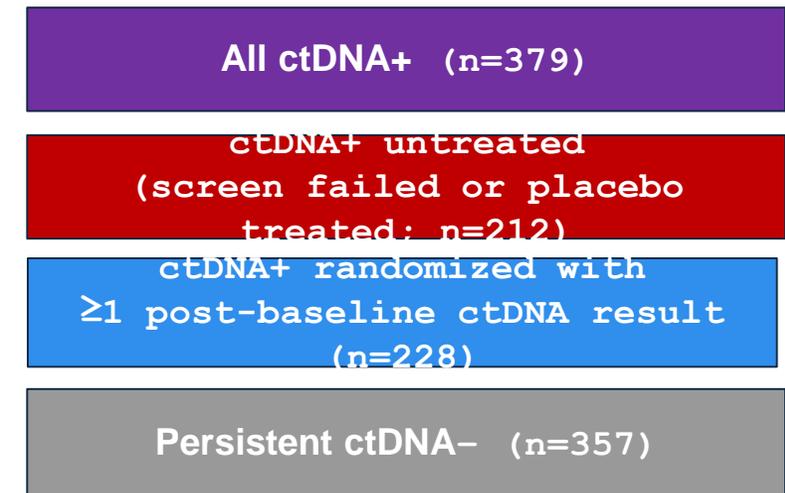
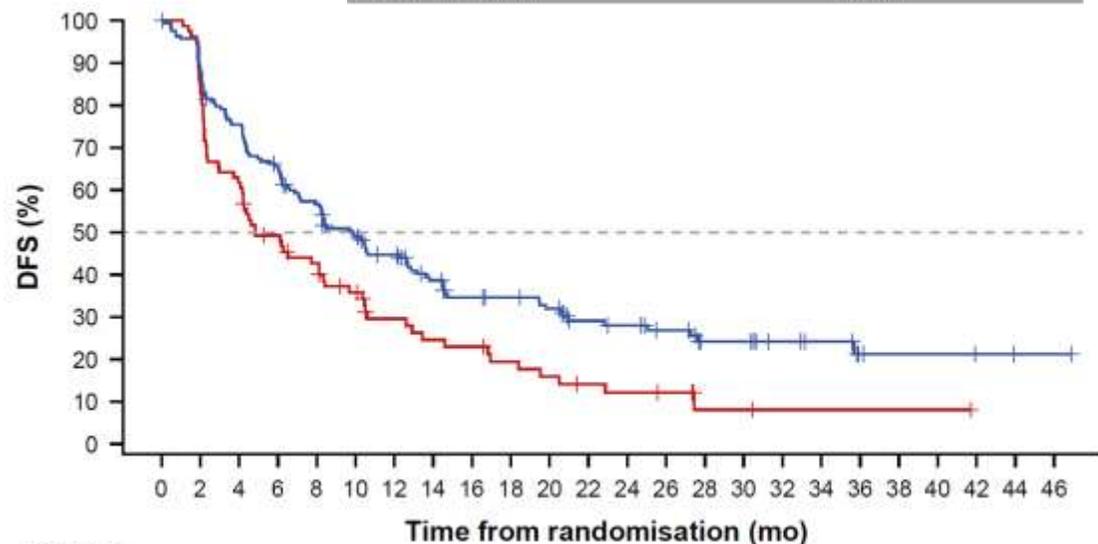


Figure adapted from Powles T, et al. ESMO 2025 (Abstract LBA8) with permission.
Powles T, et al. N Engl J Med 2025;393:2395-408.

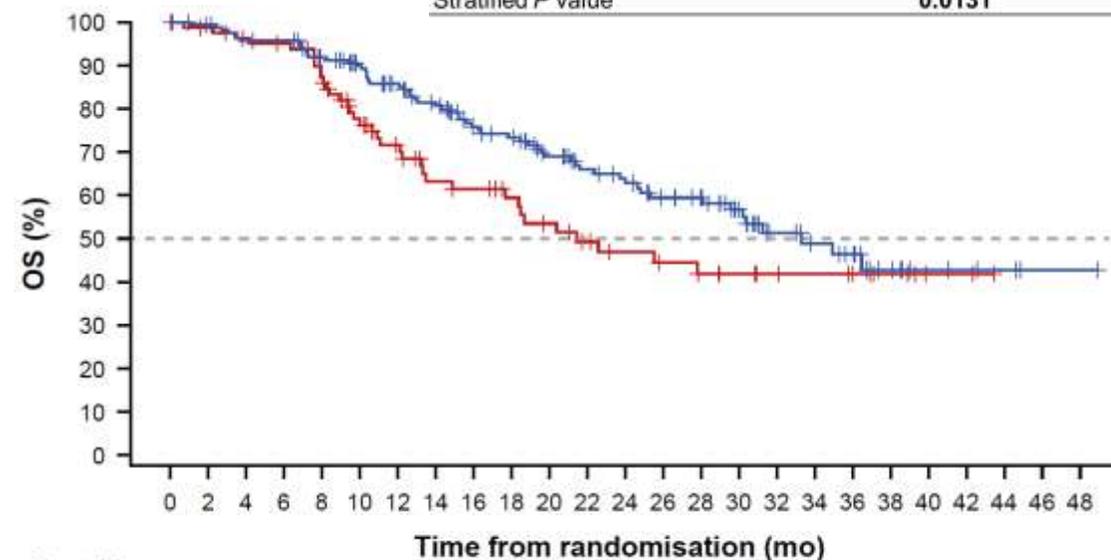
IMvigor011 met primary DFS and secondary OS endpoints at the 1st interim analysis

| | Atezolizumab (n=167) | Placebo (n=83) |
|--------------------------|--------------------------|-------------------|
| Events, n (%) | 112 (67.1) | 66 (79.5) |
| DFS, median (95% CI), mo | 9.9 (7.2, 12.7) | 4.8 (4.1, 8.3) |
| Stratified HR (95% CI) | 0.64 (0.47, 0.87) | |
| Stratified P value | 0.0047 | |



| No. at risk | Time from randomisation (mo) | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|------------------------------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|
| Atezolizumab | 167 | 145 | 122 | 105 | 89 | 73 | 63 | 50 | 42 | 40 | 36 | 28 | 26 | 22 | 16 | 16 | 11 | 9 | 4 | 3 | 3 | 2 | 1 | 1 |
| Placebo | 83 | 69 | 50 | 38 | 32 | 25 | 18 | 15 | 14 | 11 | 9 | 7 | 6 | 5 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | Atezolizumab (n=167) | Placebo (n=83) |
|-------------------------|--------------------------|-------------------|
| Events, n (%) | 60 (35.9) | 36 (43.4) |
| OS, median (95% CI), mo | 32.8 (27.7, NE) | 21.1 (14.7, NE) |
| Stratified HR (95% CI) | 0.59 (0.39, 0.90) | |
| Stratified P value | 0.0131 | |



| No. at risk | Time from randomisation (mo) | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|------------------------------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|
| Atezolizumab | 167 | 162 | 155 | 154 | 143 | 130 | 118 | 108 | 92 | 86 | 75 | 65 | 59 | 51 | 43 | 30 | 23 | 19 | 12 | 7 | 5 | 3 | 2 | 1 | 1 |
| Placebo | 83 | 80 | 76 | 74 | 65 | 53 | 44 | 38 | 34 | 30 | 26 | 21 | 19 | 17 | 15 | 13 | 10 | 10 | 8 | 5 | 2 | 1 | 1 | 1 | |

CI, confidence interval; HR, hazard ratio; Mo, months; NE, not evaluable.

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Powles T, et al. N Engl J Med 2025;393:2395-408.

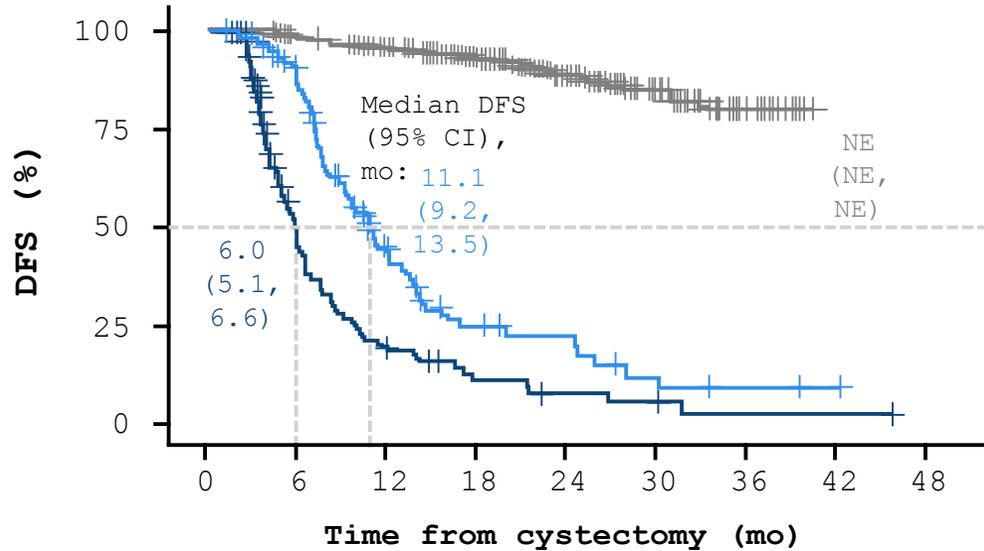
Timing of ctDNA positivity provided prognostic information beyond binary ctDNA status in untreated patients

Early ctDNA positivity was associated with inferior clinical outcomes

Early ctDNA positivity was associated with inferior clinical outcomes

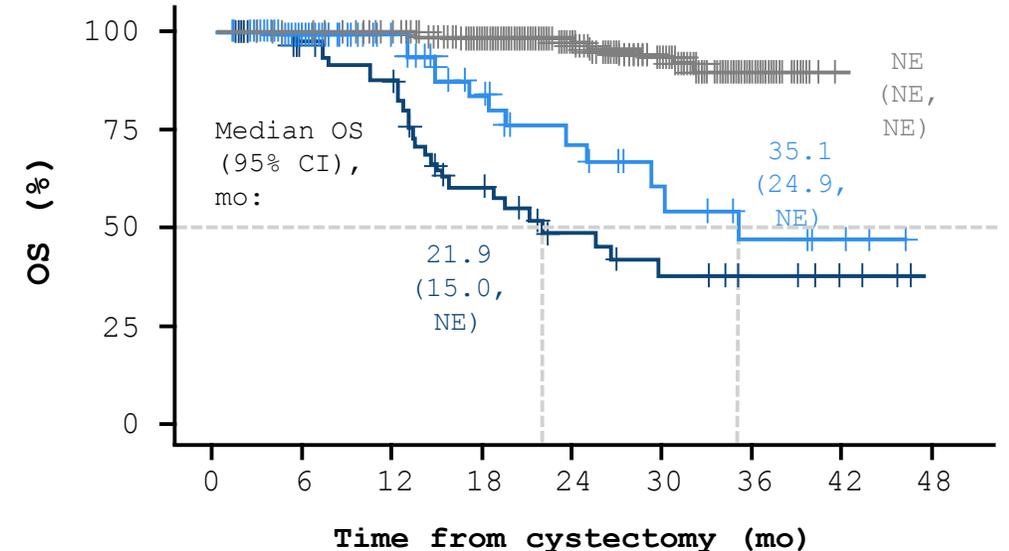
ctDNA+ untreated (n=212)

ctDNA- (n=357)



| No. at risk | | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 |
|---------------------------|-----|-----|-----|-----|-----|----|----|----|----|----|
| ctDNA- | 357 | 342 | 303 | 233 | 116 | 66 | 20 | 0 | 0 | |
| ctDNA+ at initial test | 126 | 39 | 15 | 7 | 4 | 3 | 1 | 1 | 0 | |
| ctDNA+ at subsequent test | 86 | 69 | 28 | 12 | 9 | 4 | 2 | 1 | 0 | |

| Mo | DFS rate, % (no. at risk) | | |
|----|---------------------------|------------------------|---------------------------|
| | ctDNA- | ctDNA+ at initial test | ctDNA+ at subsequent test |
| 6 | 98.0 (342) | 49.9 (39) | 89.1 (69) |
| 12 | 95.4 (303) | 19.2 (15) | 43.8 (28) |
| 24 | 88.4 (116) | 8.2 (4) | 22.3 (9) |



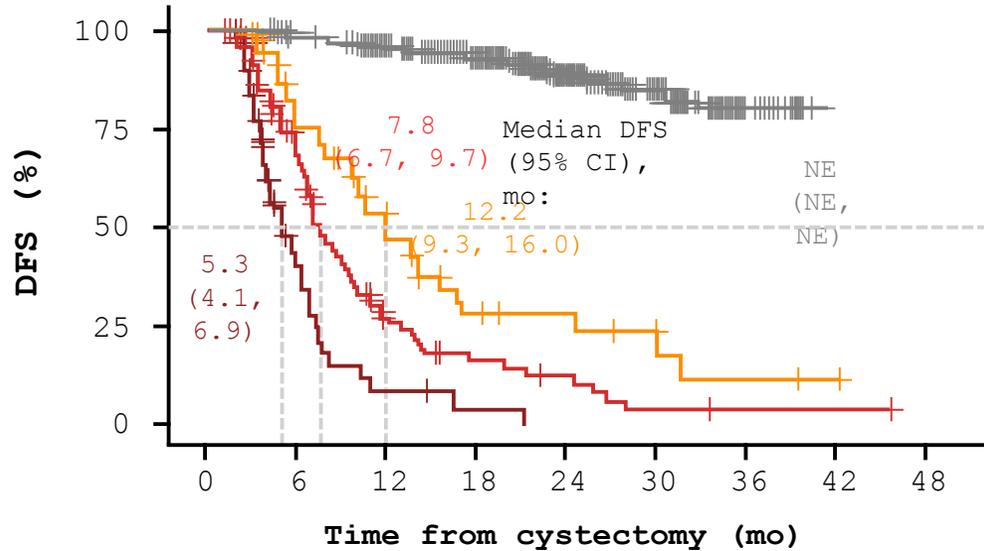
| No. at risk | | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 |
|---------------------------|-----|-----|-----|-----|-----|----|----|----|----|----|
| ctDNA- | 357 | 345 | 319 | 250 | 138 | 79 | 26 | 0 | 0 | |
| ctDNA+ at initial test | 126 | 47 | 38 | 22 | 14 | 10 | 7 | 3 | 0 | |
| ctDNA+ at subsequent test | 86 | 70 | 42 | 25 | 15 | 10 | 6 | 3 | 0 | |

| Mo | OS rate, % (no. at risk) | | |
|----|--------------------------|------------------------|---------------------------|
| | ctDNA- | ctDNA+ at initial test | ctDNA+ at subsequent test |
| 6 | 100 (345) | 96.4 (47) | 98.8 (70) |
| 12 | 100 (319) | 87.4 (38) | 98.8 (42) |
| 24 | 97.1 (138) | 48.5 (14) | 71.8 (15) |

ctDNA concentration provided prognostic information beyond binary ctDNA status in untreated patients

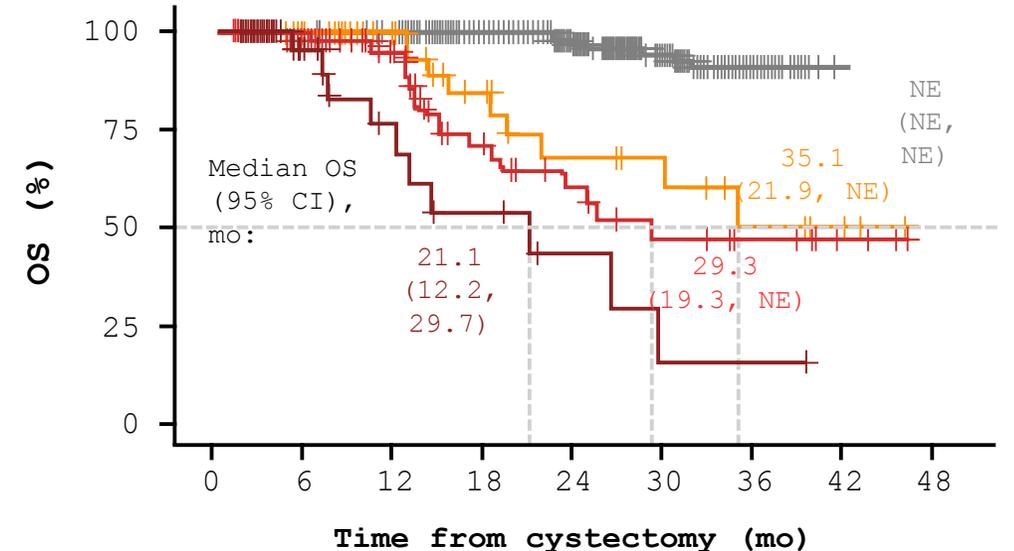
High ctDNA concentration was associated with inferior clinical outcomes

ctDNA+ untreated (n=212)
ctDNA- (n=357)



| No. at risk | | | | | | | | | |
|------------------|-----|-----|-----|-----|-----|----|----|----|----|
| | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 |
| ctDNA- | 357 | 342 | 303 | 233 | 116 | 66 | 20 | 0 | 0 |
| ≤ 0.1 MTM/mL | 56 | 39 | 22 | 9 | 7 | 5 | 2 | 1 | 0 |
| >0.1-≤3 MTM/mL | 99 | 55 | 18 | 9 | 6 | 2 | 1 | 1 | 0 |
| >3 MTM/mL | 57 | 14 | 3 | 1 | 0 | 0 | 0 | 0 | 0 |

| Mo | DFS rate, % (no. at risk) | | | |
|----|---------------------------|------------------|----------------|-----------|
| | ctDNA- | ≤ 0.1 MTM/mL | >0.1-≤3 MTM/mL | >3 MTM/mL |
| 6 | 98.0 (342) | 82.1 (39) | 71.2 (55) | 44.0 (14) |
| 12 | 95.4 (303) | 53.4 (22) | 26.6 (18) | 9.4 (3) |
| 24 | 88.4 (116) | 28.4 (7) | 13.2 (6) | 0 (0) |



| No. at risk | | | | | | | | | |
|------------------|-----|-----|-----|-----|-----|----|----|----|----|
| | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 |
| ctDNA- | 357 | 345 | 319 | 250 | 138 | 79 | 26 | 0 | 0 |
| ≤ 0.1 MTM/mL | 56 | 40 | 30 | 18 | 11 | 9 | 5 | 3 | 0 |
| >0.1-≤3 MTM/mL | 99 | 59 | 40 | 23 | 15 | 10 | 7 | 3 | 0 |
| >3 MTM/mL | 57 | 18 | 10 | 6 | 3 | 1 | 1 | 0 | 0 |

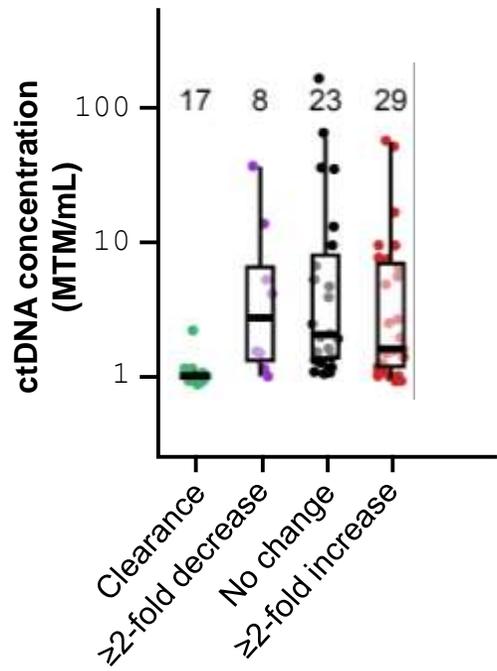
| Mo | OS rate, % (no. at risk) | | | |
|----|--------------------------|------------------|----------------|-----------|
| | ctDNA- | ≤ 0.1 MTM/mL | >0.1-≤3 MTM/mL | >3 MTM/mL |
| 6 | 100 (345) | 100 (40) | 97.2 (59) | 95.2 (18) |
| 12 | 100 (319) | 100 (30) | 95.0 (40) | 76.0 (10) |
| 24 | 97.1 (138) | 67.4 (11) | 60.1 (15) | 42.6 (3) |

Placebo: ctDNA clearance was associated with improved DFS

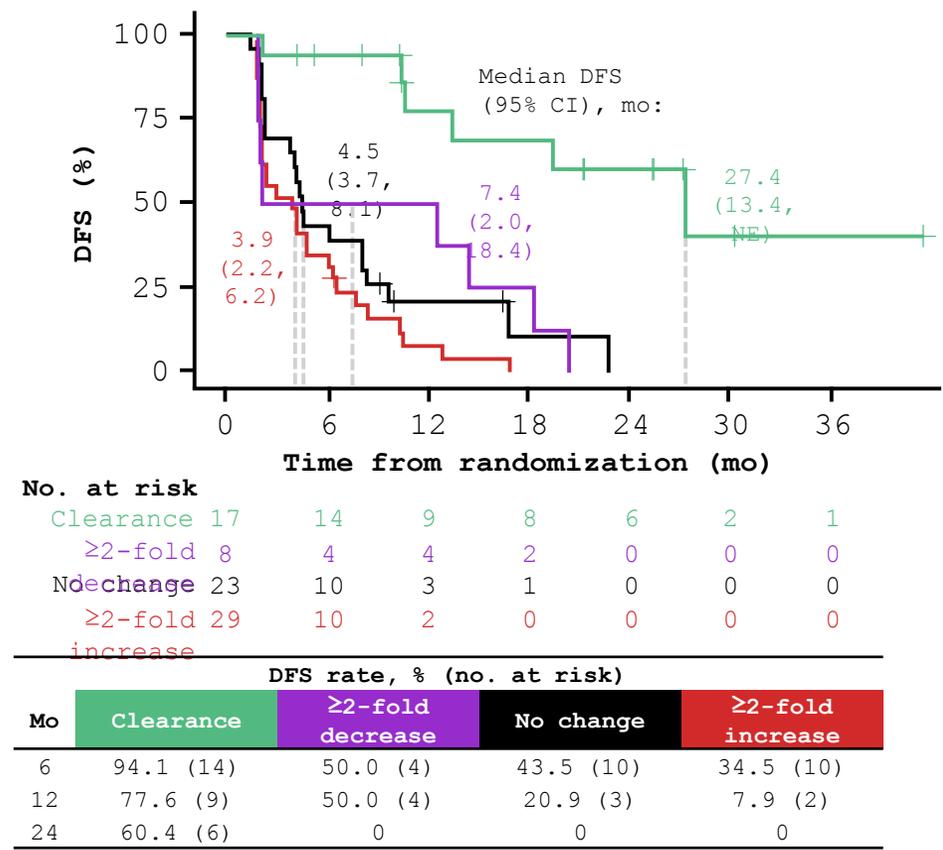
Patients who cleared ctDNA represent a prognostically favorable subgroup with low pre-treatment ctDNA concentration

ctDNA+ randomized (n=228)

Maximum pre-treatment ctDNA concentration



DFS



Pre-treatment ctDNA concentration was defined as the maximum ctDNA concentration measured during surveillance or at C1D1. ctDNA dynamic categories are defined as the maximum observed change from pre-treatment to any single time point during C2-C11 (best ctDNA change). No change was defined as any fluctuation in ctDNA concentration that did not meet criteria for >2-fold increase or >2-fold decrease.

Completed bladder-sparing trials

RETAIN-1

Major Inclusion Criteria:

- cT2-T3 N0M0
- ECOG 0-1
- Urothelial Predominant Histology

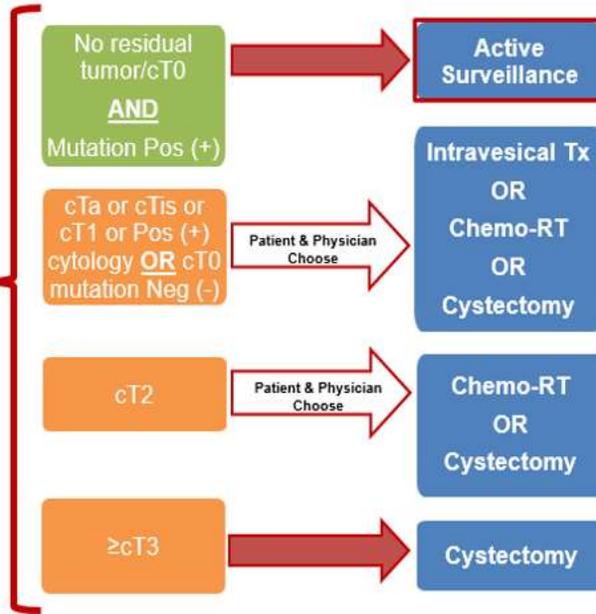
Not a randomized trial



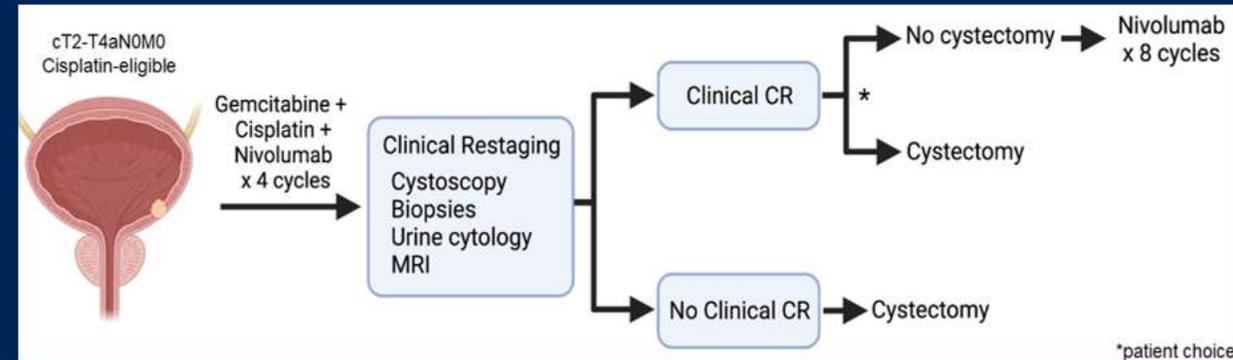
Sequencing (Caris)

Mutation positive defined as any alterations in:

- ATM
- RB1
- FANCC
- ERCC2

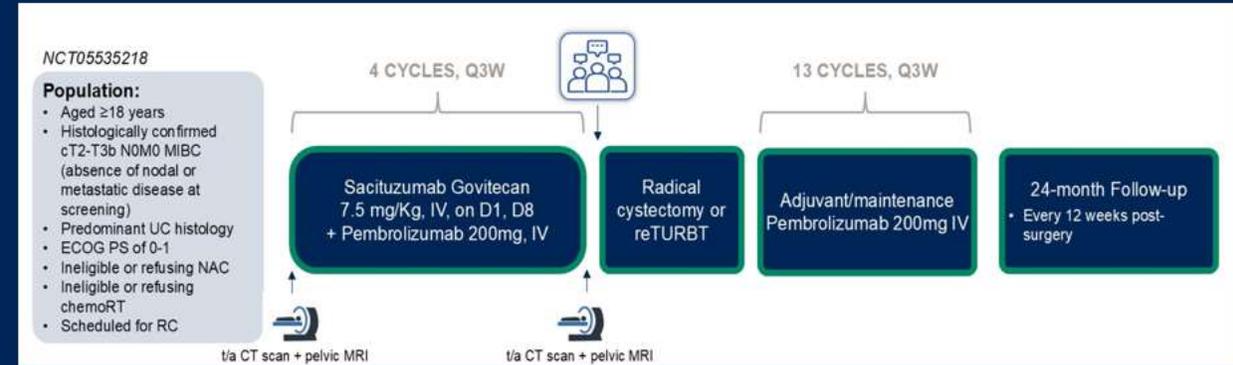


HCRN GU16-257



*patient choice

SURE-02

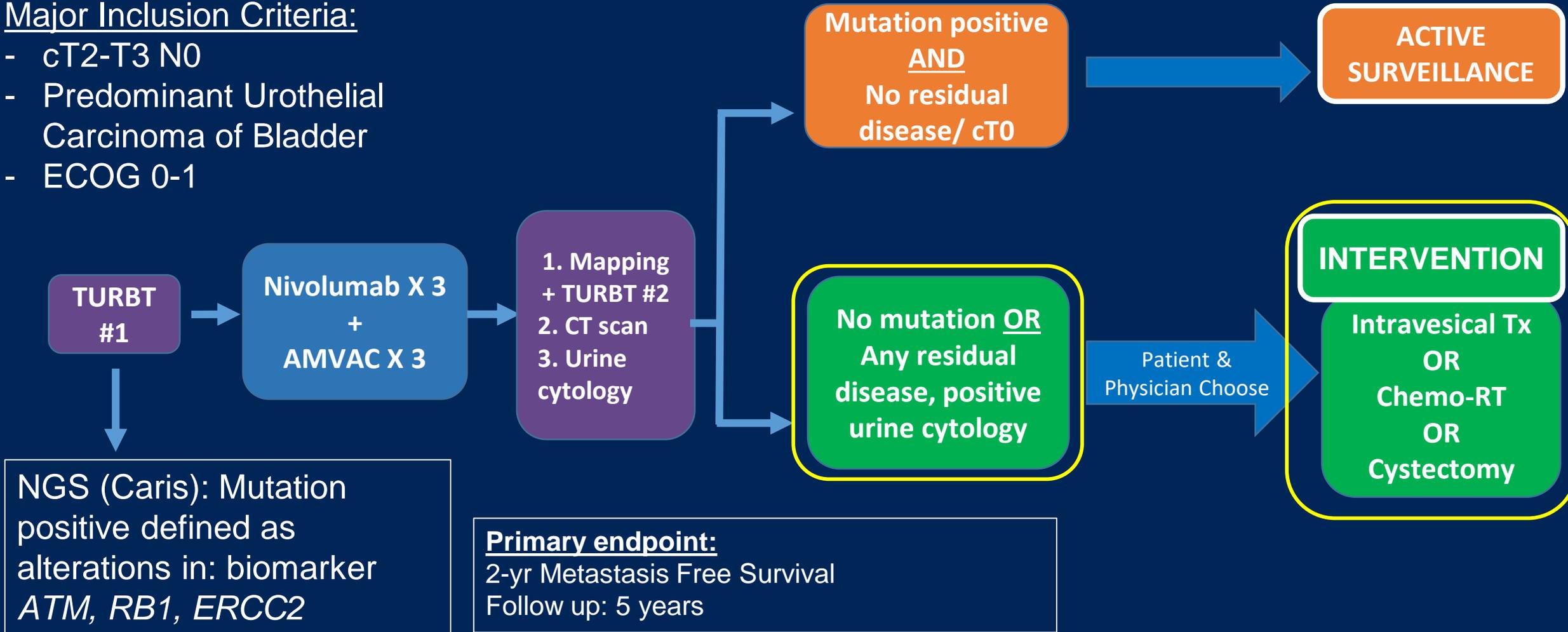


•Geynisman DM, et al. *J Clin Oncol.* 2025;43(9):1113–1122; Ghatalia P, et al. *J Clin Oncol.* 2025;43(5_suppl):815; Galsky MD, Daneshmand S, Izadmehr S, et al. *Nat Med.* 2023;29:2825–2834.
 •Necchi A, et al. *J Clin Oncol.* 2025;43(16_suppl):4518;

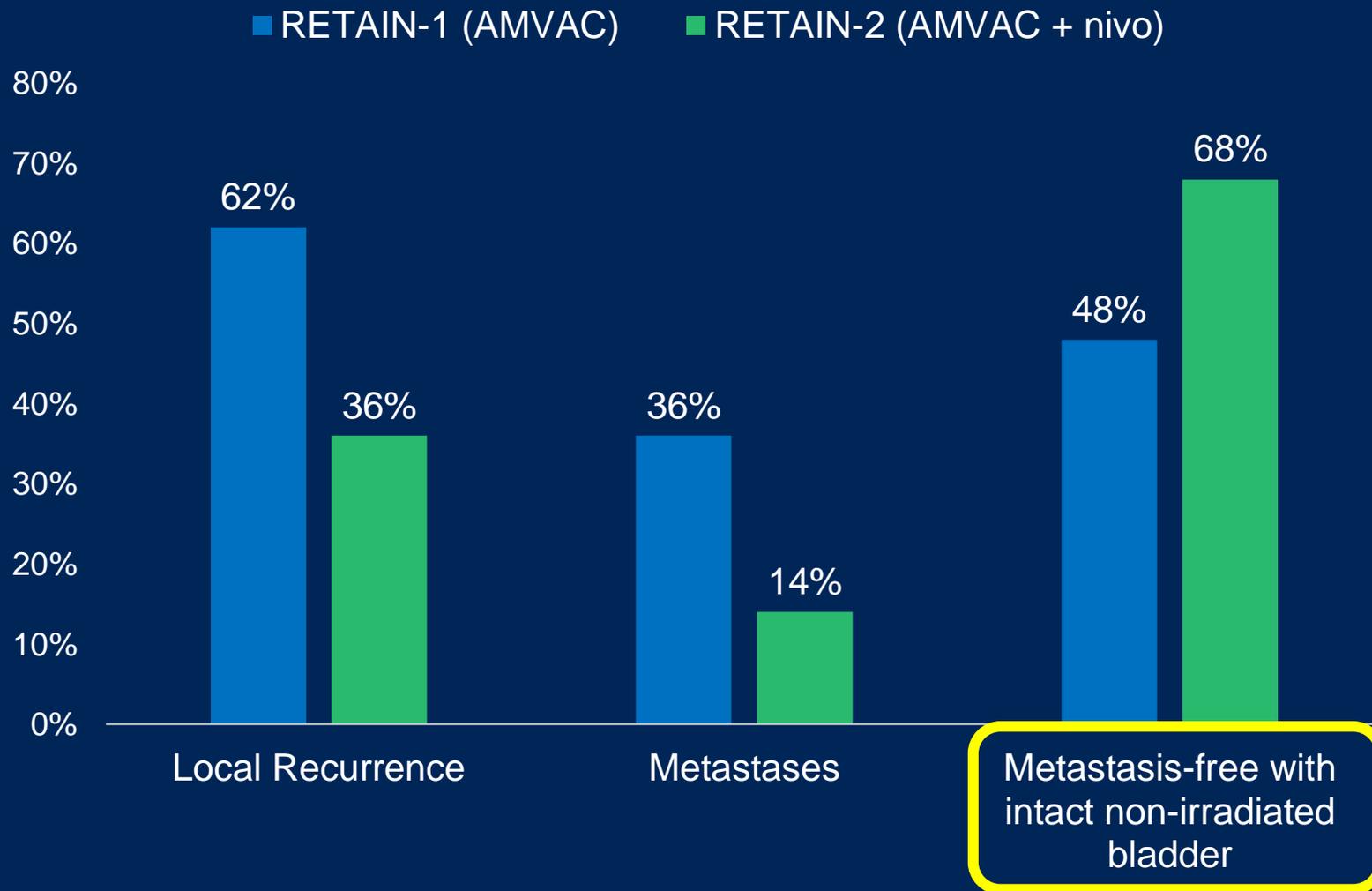
RETAIN-2

Major Inclusion Criteria:

- cT2-T3 N0
- Predominant Urothelial Carcinoma of Bladder
- ECOG 0-1

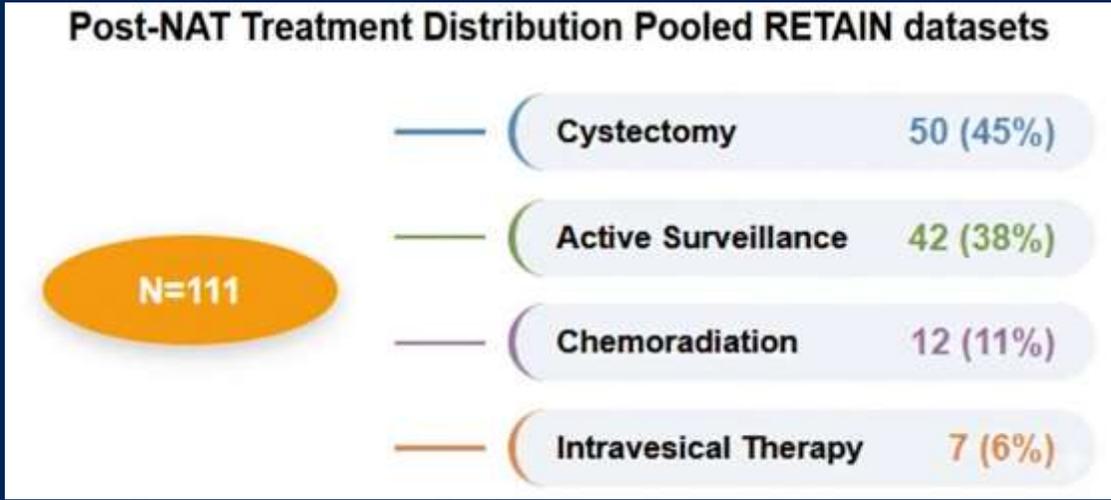
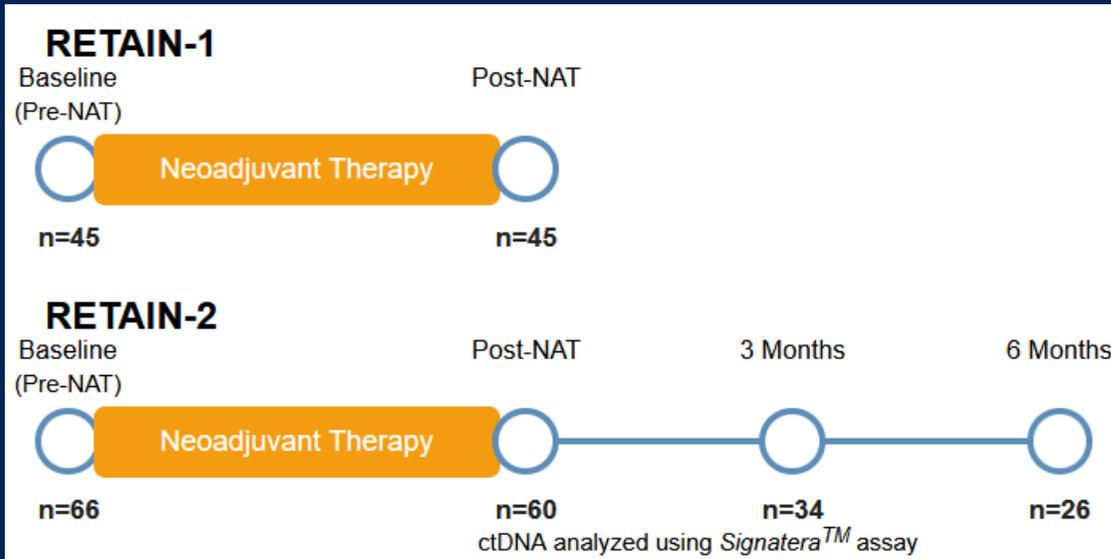


Comparison of RETAIN-1 vs RETAIN-2 Outcomes in Active Surveillance patients



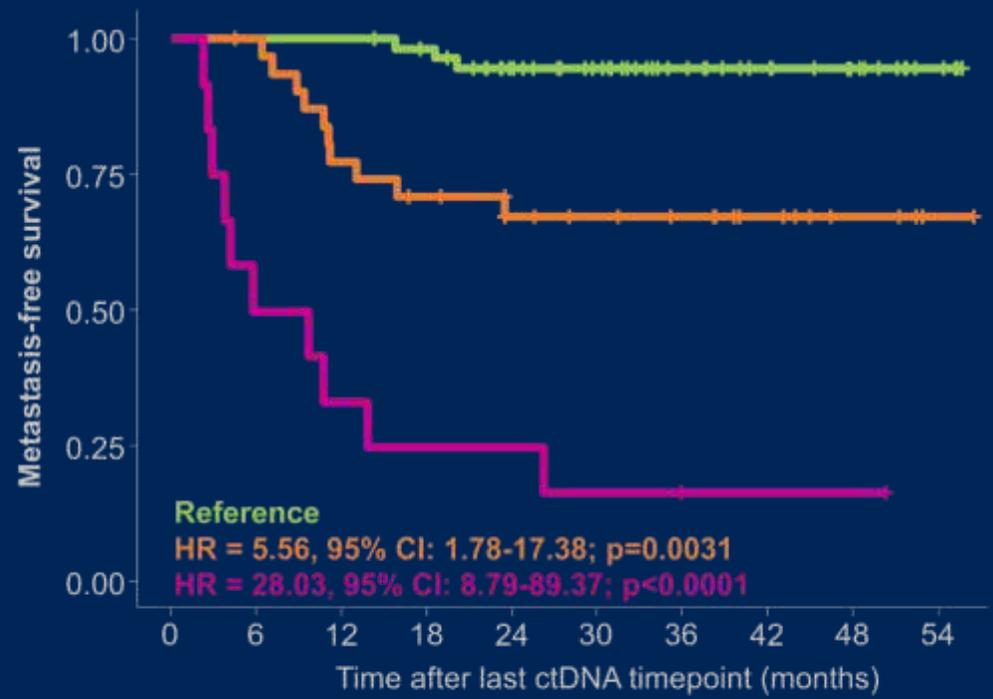
Geynisman DM, *et al.* *J Clin Oncol.* 2025;43(9):1113–1122

ctDNA collection timepoints, detection and clearance rate



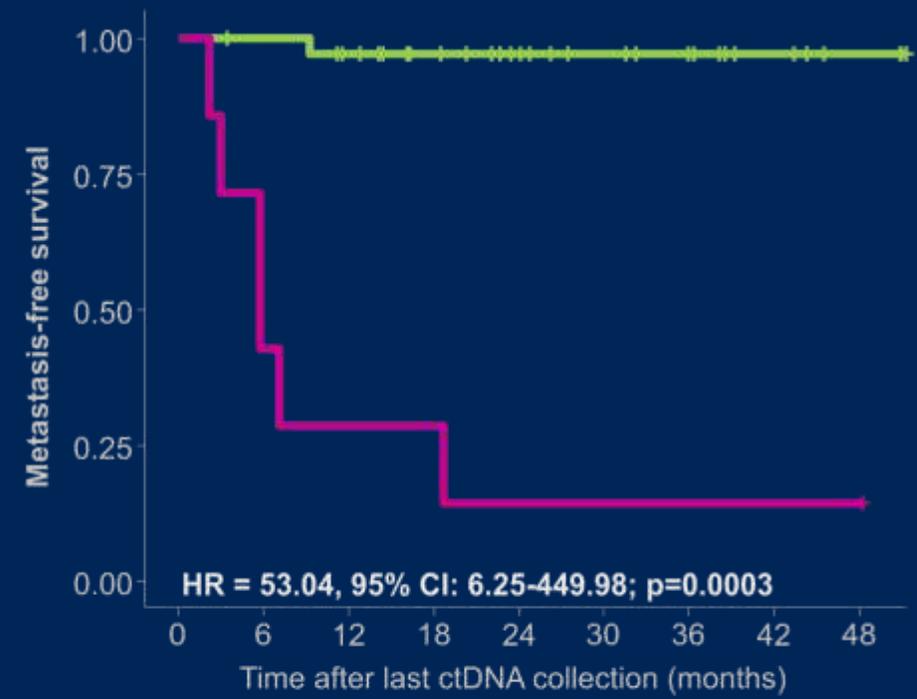
ctDNA dynamics during treatment is prognostic in the overall population

Overall population (RETAIN-1/2),
baseline and post-NAT ctDNA



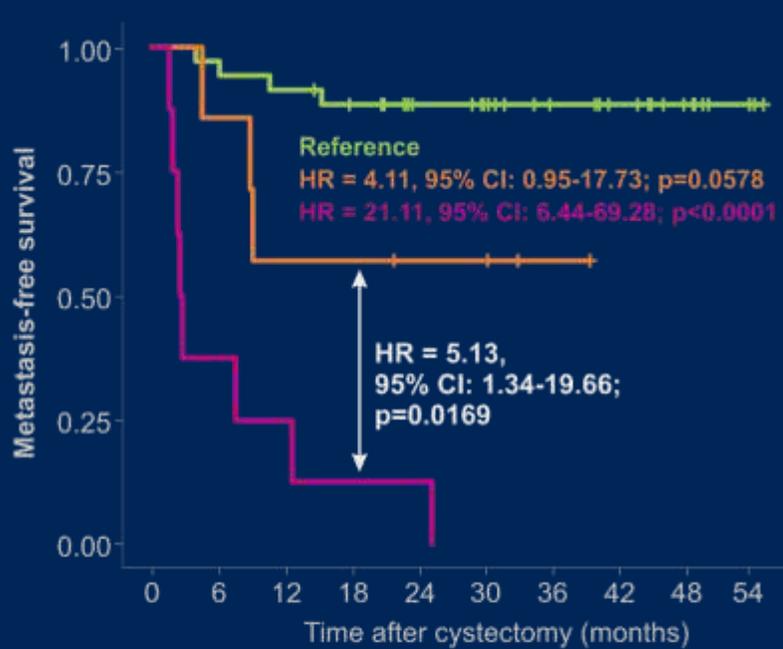
| | No. at risk | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 |
|-----------------------------|-------------|----|----|----|----|----|----|----|----|----|----|
| ctDNA-negative | 57 | 57 | 57 | 54 | 45 | 37 | 26 | 19 | 13 | 4 | |
| ctDNA clearance | 32 | 31 | 24 | 21 | 17 | 15 | 13 | 9 | 4 | 1 | |
| Persistently ctDNA-positive | 12 | 6 | 4 | 3 | 3 | 2 | 1 | 1 | 1 | 0 | |

Overall population (RETAIN-2),
post-NAT, 3-month, 6-month ctDNA



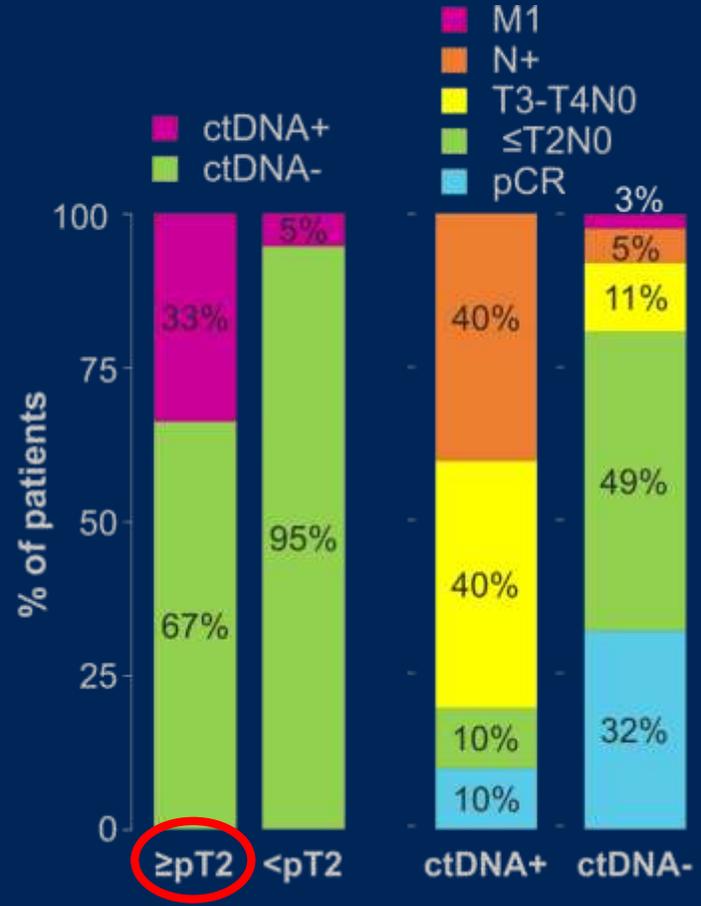
| | No. at risk | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 |
|-------------------------|-------------|----|----|----|----|----|----|----|----|----|
| Serially ctDNA-negative | 34 | 33 | 29 | 22 | 17 | 12 | 9 | 5 | 2 | |
| Anytime ctDNA-positive | 7 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | |

Post-NAT ctDNA positivity predicted residual disease but **ctDNA negativity did not predict ypT0** in cystectomy patients



No. at risk

| | | | | | | | | | | |
|------------------------------------|----|----|----|----|----|----|----|----|---|---|
| Low-risk (ctDNA positive/negative) | 35 | 35 | 35 | 35 | 33 | 29 | 18 | 12 | 7 | 1 |
| High-risk (ctDNA-negative) | 10 | 8 | 6 | 6 | 6 | 3 | 3 | 1 | 1 | 0 |
| High-risk (ctDNA-positive) | 37 | 37 | 36 | 34 | 28 | 25 | 17 | 13 | 8 | 3 |



| | >ypT0 | ypT0 |
|--------|-------|------|
| ctDNA+ | 9 | 1 |
| ctDNA- | 25 | 12 |

PPV: 90% for >ypT0
NPV: 32.4% for ypT0

High pathological risk: pT3-T4N0, N+, and M1
 Low pathological risk: ≤pT2 or lower)

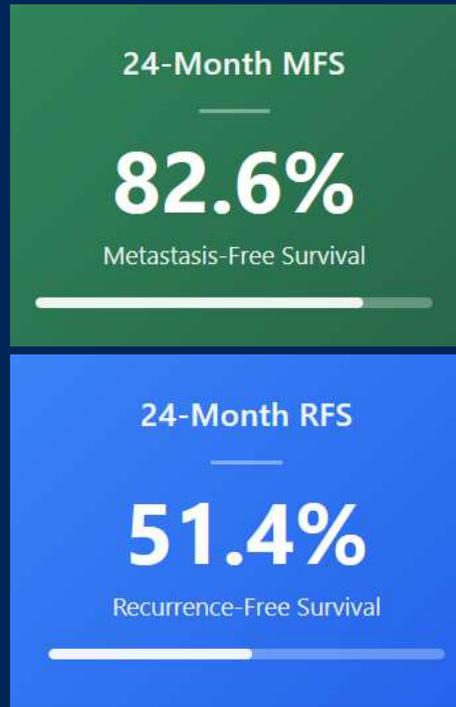
Post-NAT ctDNA and pathological staging from cystectomy (excludes salvage cystectomy)

Post-NAT ctDNA status predicts **metastatic control** but **not local control** in Active Surveillance patients

Post-treatment ctDNA Status Among AS Patients (N=40)



- ctDNA+ (3)
- ctDNA- (37)



RFS is driven by local recurrence

Patients managed with Active Surveillance: **N=40**



Patients who developed local recurrence: **N=21 (52.5%)**



Recurred (n=21) No recurrence (n=19)

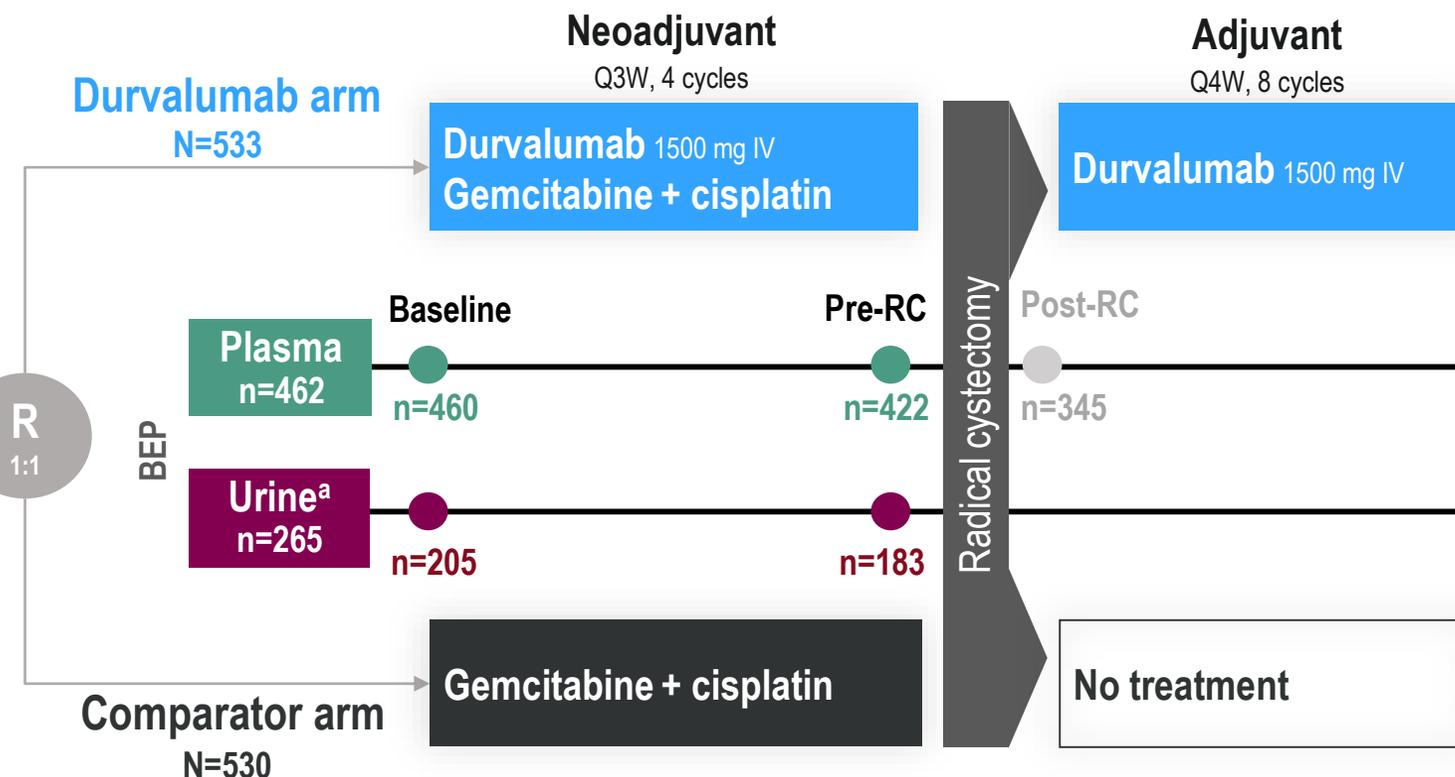
Of those with local recurrence, ctDNA positive: **Only 2 (9.5%)**



ctDNA Negative (n=19) ctDNA Positive (n=2)

NIAGARA: Study Design and ctDNA/utDNA Analysis

- Study population**
- Adults
 - Cisplatin-eligible MIBC (cT2–T4aN0/1M0)
 - UC or UC with divergent differentiation or histologic subtypes
 - Evaluated and confirmed for RC
 - CrCl of ≥ 40 mL/min



Primary endpoints

- EFS
- pCR

Key secondary endpoint

- OS

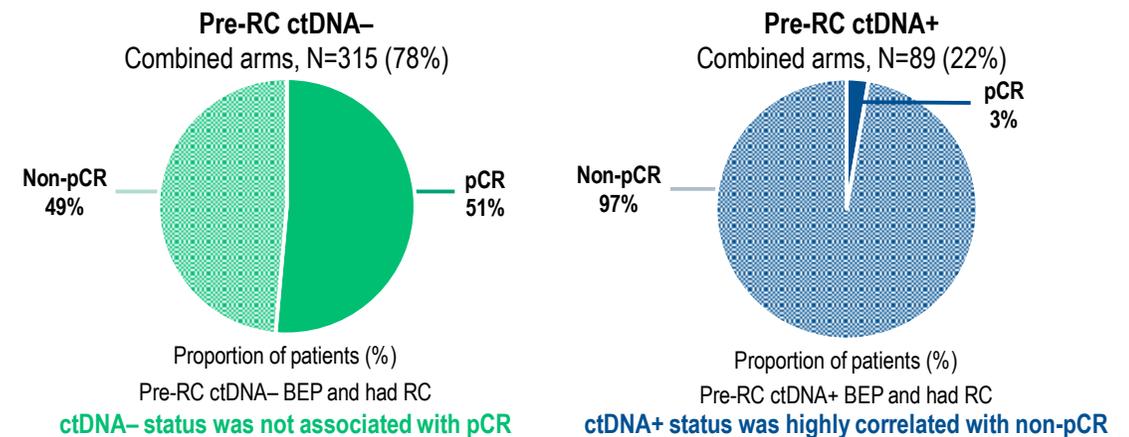
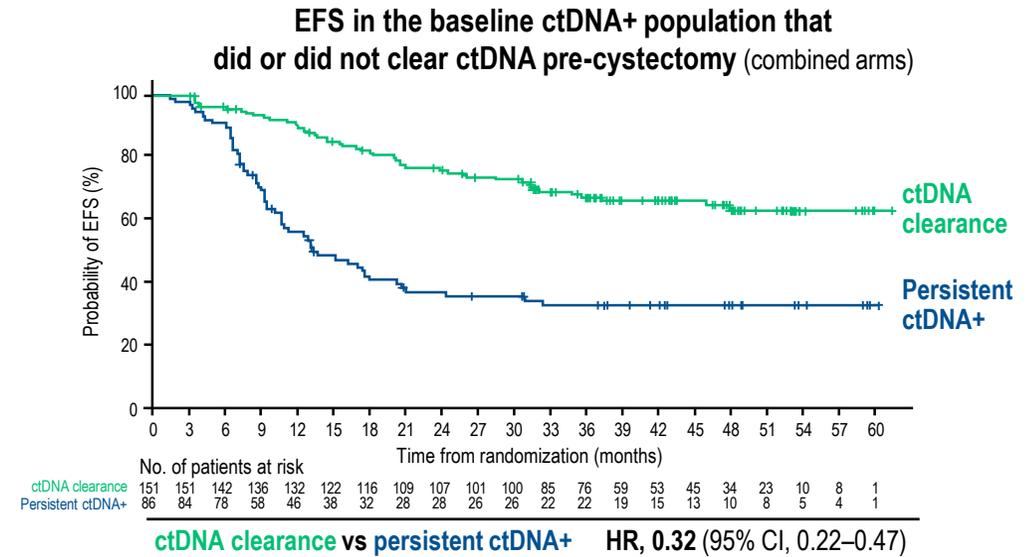
Exploratory analysis

- Association of ctDNA and utDNA with efficacy and clinical parameters

- Baseline characteristics were generally similar between the BEP and ITT populations
- ctDNA/utDNA assessed using Signatera™ assay (Natera, Inc, Austin, TX, USA)

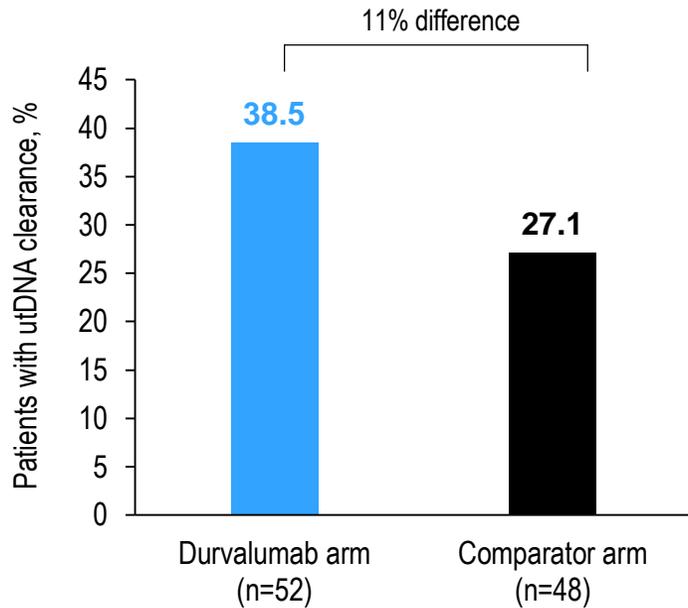
NIAGARA: Background

- In NIAGARA, the addition of perioperative durvalumab to NAC demonstrated:
 - Statistically significant improvement in
 - EFS: HR, 0.68 (95% CI, 0.56–0.82), $P < 0.0001$
 - OS: HR, 0.75 (95% CI, 0.59–0.93), $P = 0.0106$
 - 10% improvement in pCR rate¹
- In prior exploratory analysis, plasma ctDNA– status after neoadjuvant treatment was not associated with pCR but was prognostic for EFS²
- Here, we expanded the analysis to assess potential utility of utDNA testing in MIBC management



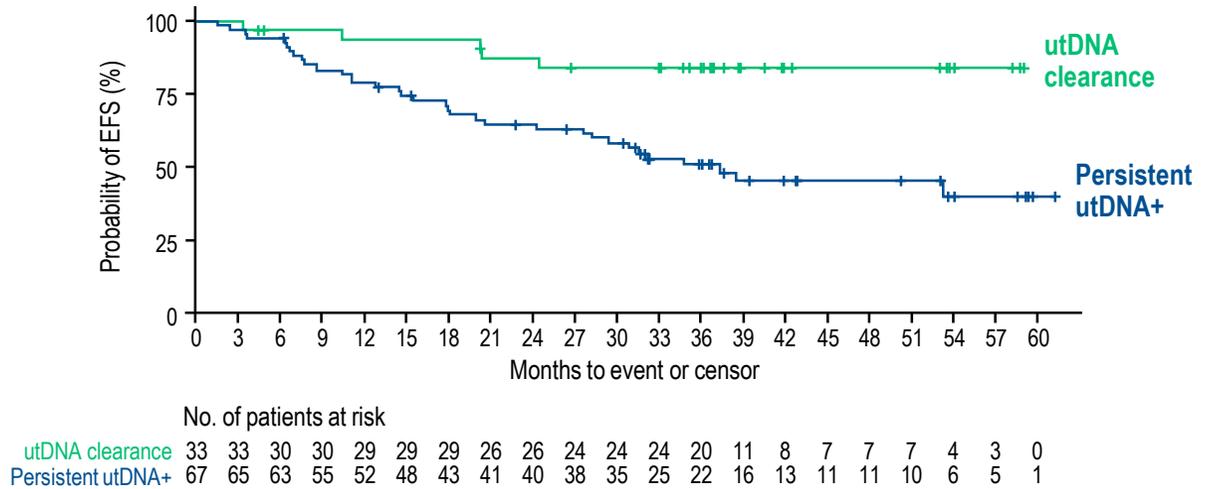
NIAGARA Neoadjuvant: utDNA Clearance Was 11% Higher in the Durvalumab Arm and Appears to Be Prognostic for EFS

utDNA clearance from baseline to pre-RC



Includes all patients who were utDNA+ at baseline and had pre-RC utDNA samples

EFS in the baseline utDNA+ population with or without utDNA clearance pre-RC (combined arms)

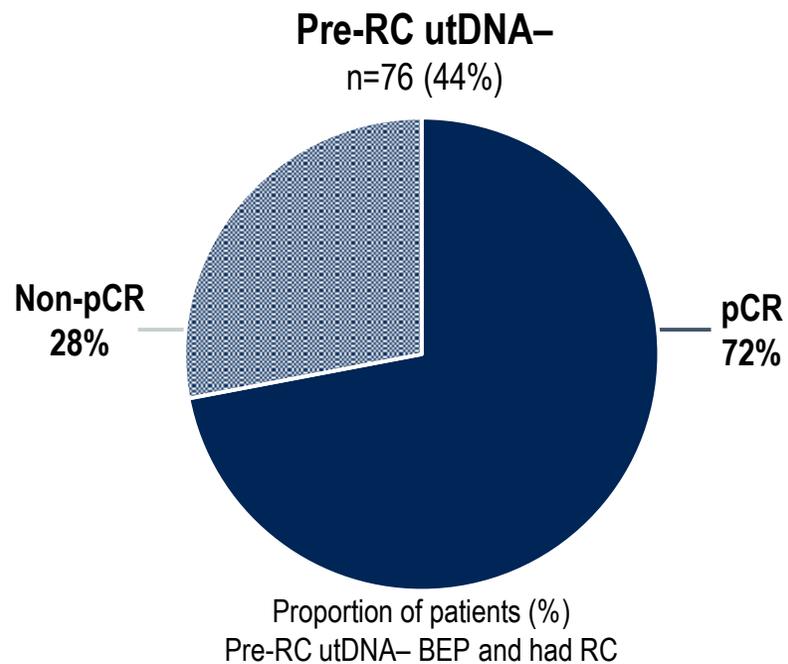


| | 0 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 | 39 | 42 | 45 | 48 | 51 | 54 | 57 | 60 |
|-------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| utDNA clearance | 33 | 33 | 30 | 30 | 29 | 29 | 29 | 26 | 26 | 24 | 24 | 24 | 20 | 11 | 8 | 7 | 7 | 7 | 4 | 3 | 0 |
| Persistent utDNA+ | 67 | 65 | 63 | 55 | 52 | 48 | 43 | 41 | 40 | 38 | 35 | 25 | 22 | 16 | 13 | 11 | 11 | 10 | 6 | 5 | 1 |

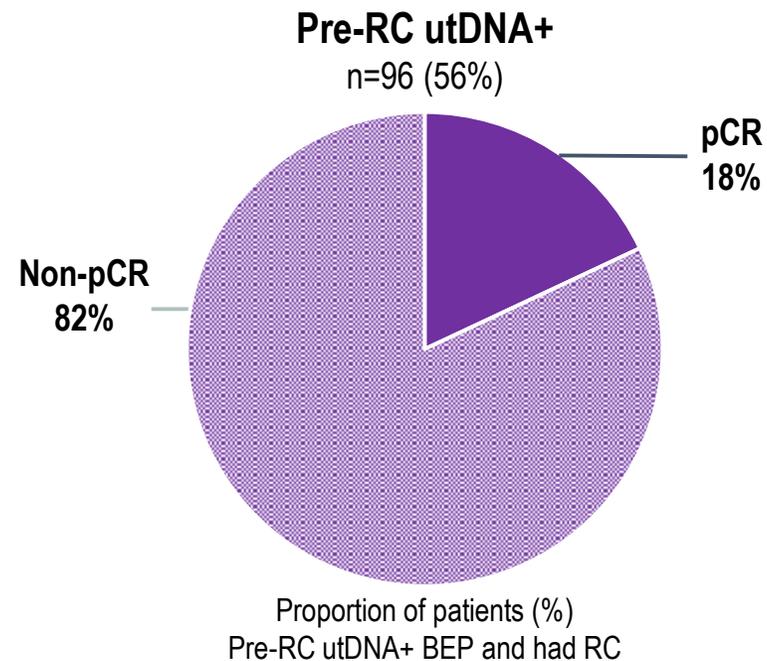
utDNA clearance vs persistent utDNA+ HR, 0.24 (95% CI, 0.09–0.62)

- Similar results were also observed with plasma ctDNA clearance¹
- 85% of patients were utDNA positive at baseline, which reduced to 55% following neoadjuvant treatment (combined arms)

NIAGARA Pre-cystectomy: utDNA– Status Is Associated With pCR



utDNA– status at pre-RC is associated with higher likelihood of pCR



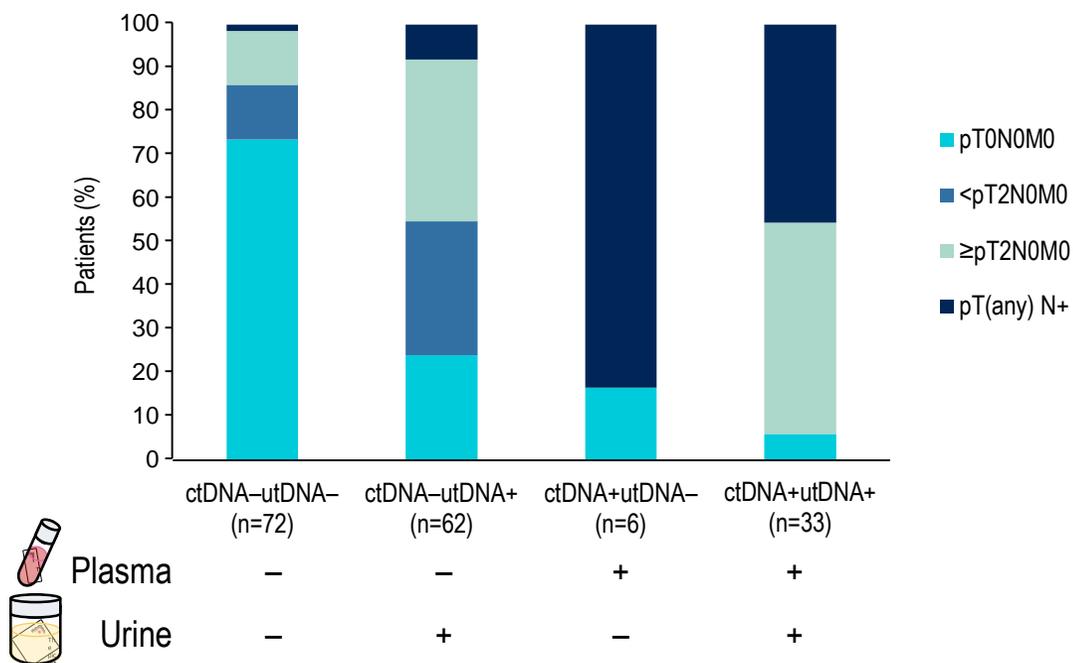
utDNA+ status at pre-RC is associated with higher likelihood of non-pCR

- In contrast, 51% of patients with plasma ctDNA– status after neoadjuvant treatment had pCR¹

Pre-RC BEP with recorded pCR/non-pCR result, n=172 patients

NIAGARA Pre-cystectomy: utDNA and ctDNA Status Is Differentially Associated With Disease Stage at Cystectomy

Combined pre-RC ctDNA and utDNA status and association with disease stage at RC

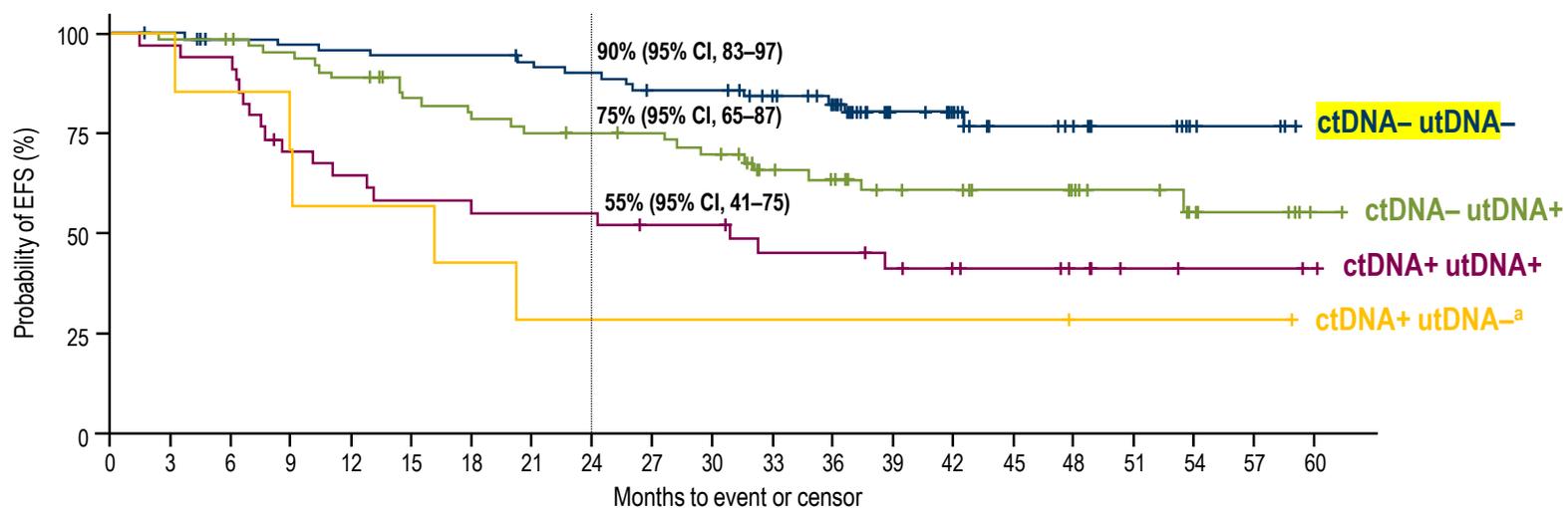


- utDNA+ status is associated with a higher frequency of non-invasive disease (<pT2N0M0), consistent with detection of local residual disease
- ctDNA+ status is associated with a higher frequency of invasive disease (≥pT2N0M0) and nodal involvement (N+), reflecting systemic spread

Pre-RC BEP with ctDNA and utDNA results, n=179^a

NIAGARA: 24-Month EFS Was Highest for Patients With Dual-Negative Status at Pre-cystectomy

EFS by combined pre-RC ctDNA/utDNA status (combined arms)



| | No. of patients at risk | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | 0 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 | 39 | 42 | 45 | 48 | 51 | 54 | 57 | 60 |
| ctDNA- utDNA- | 74 | 73 | 69 | 68 | 67 | 66 | 66 | 64 | 62 | 58 | 58 | 53 | 47 | 30 | 25 | 17 | 13 | 9 | 4 | 3 | 0 |
| ctDNA- utDNA+ | 64 | 63 | 62 | 59 | 55 | 49 | 46 | 44 | 43 | 42 | 39 | 30 | 26 | 21 | 20 | 17 | 15 | 12 | 8 | 6 | 1 |
| ctDNA+ utDNA ^a | 7 | 7 | 6 | 5 | 4 | 4 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| ctDNA+ utDNA+ | 34 | 33 | 32 | 23 | 21 | 19 | 18 | 18 | 18 | 16 | 16 | 13 | 13 | 11 | 9 | 8 | 6 | 3 | 2 | 2 | 1 |

ctDNA- utDNA- vs ctDNA- utDNA+ HR, 0.46 (95% CI, 0.23–0.89)

ctDNA- utDNA- vs ctDNA+ utDNA+ HR, 0.25 (95% CI, 0.12–0.49)

ctDNA- utDNA+ vs ctDNA+ utDNA+ HR, 0.51 (95% CI, 0.27–0.93)

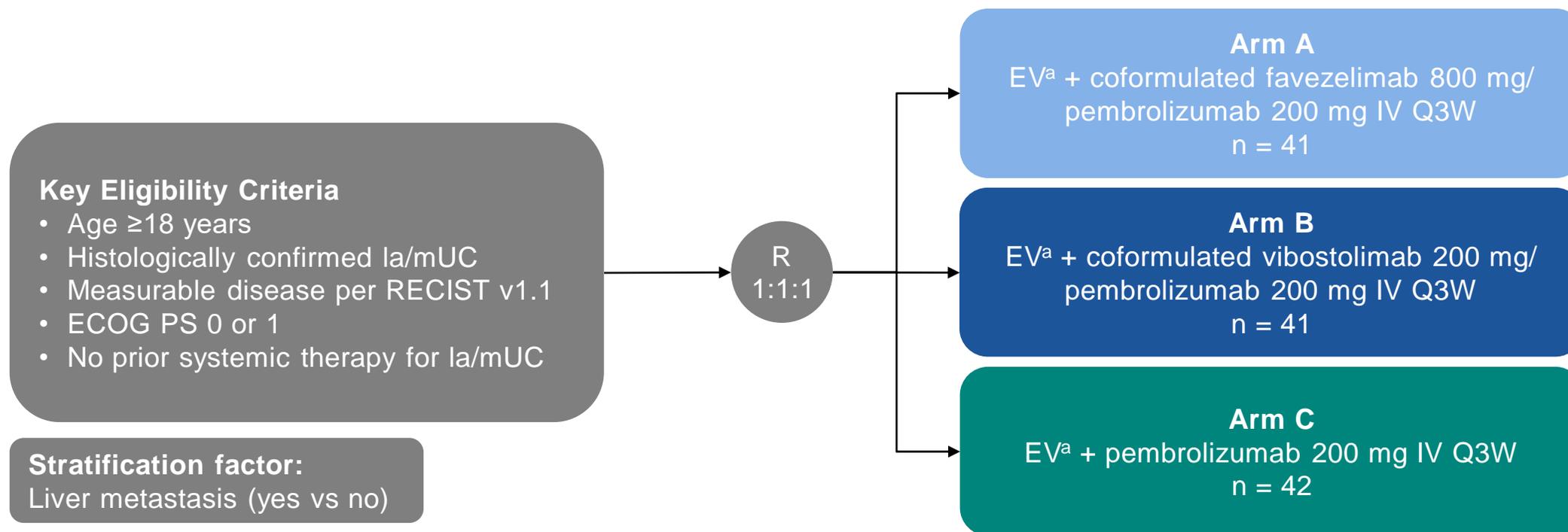
Pre-RC BEP with ctDNA and utDNA results, n=179

Üroteliyal Kanserlerde Tedavi Seçenekleri

ASCO-GU 2026

Metastatik Evrede Yenilikler

KEYMAKER-U04 Substudy 04B Study Design (NCT05845814)



End points

- **Primary:** ORR per RECIST v1.1 by investigator and safety
- **Secondary:** DOR and PFS per RECIST v1.1 by investigator

Median study follow-up^b:

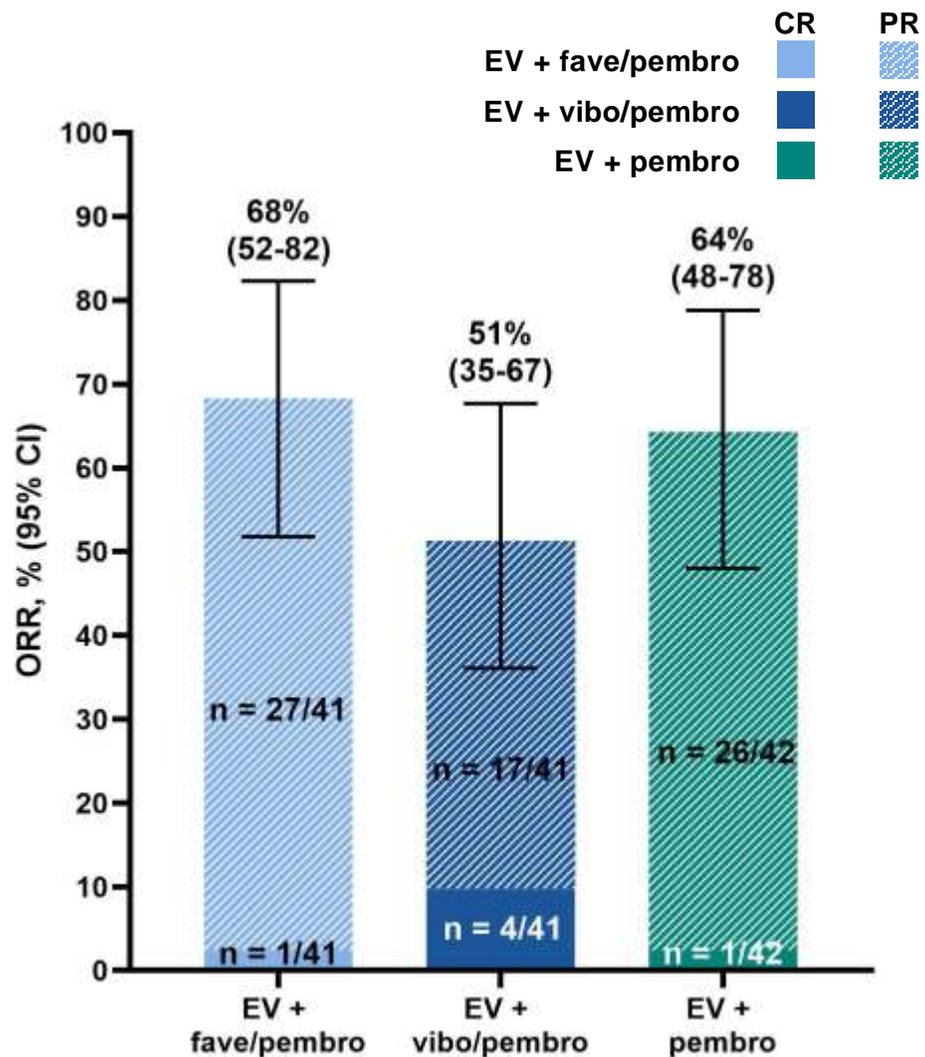
- **EV + fave/pembro:** 11.9 months (range, 9.7-17.0)
- **EV + vibo/pembro:** 11.7 months (range, 9.7-16.3)
- **EV + pembro:** 11.8 months (range, 9.8-16.8)

DLT, dose-limiting toxicity; EV, enfortumab vedotin; fave/pembro, favezelimab/pembrolizumab; pembro, pembrolizumab; vibo/pembro, vibostolimab/pembrolizumab.

^aEV 1.25 mg/kg IV (Day 1 and Day 8) Q3W. ^bTime from randomization to data cutoff date.

A safety lead-in phase was performed for the first 10 participants in each of EV + fave/pembro and EV + vibo/pembro arms per modified toxicity probability interval with DLT monitoring in cycle 1 in which DLT was reported for 1 participant on EV + fave/pembro (increased alanine aminotransferase) and no participants on EV + vibo/pembro. Data cutoff date: December 16, 2024.

ORR per RECIST v1.1 by Investigator

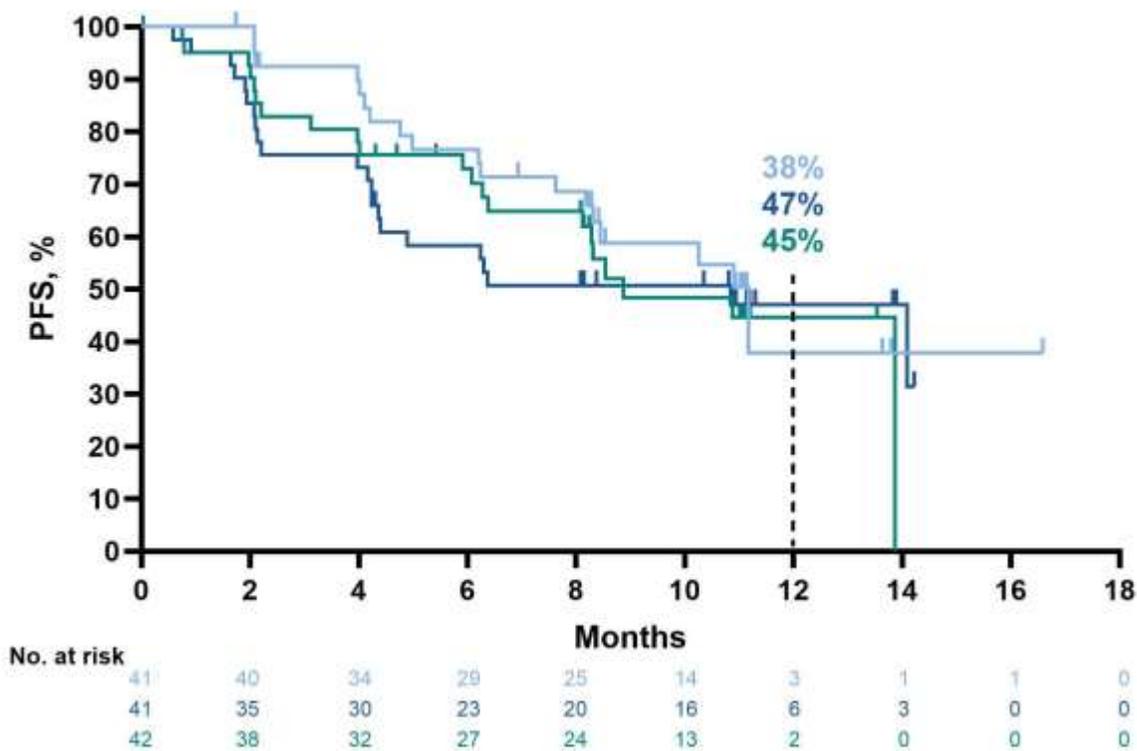
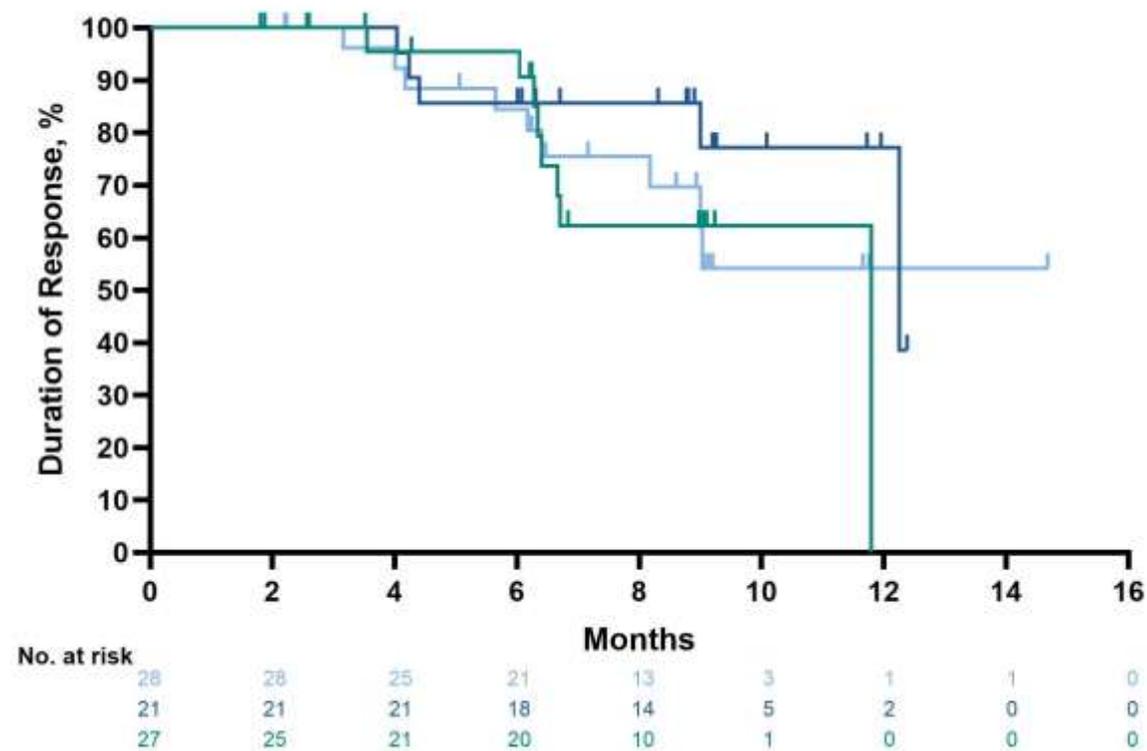


| | EV + fave/pembro n = 41 | EV + vibo/pembro n = 41 | EV + pembro n = 42 |
|-----------------------------|----------------------------|----------------------------|-----------------------|
| Best response, n (%) | | | |
| CR | 1 (2) | 4 (10) | 1 (2) |
| PR | 27 (66) | 17 (41) | 26 (62) |
| SD | 10 (24) | 10 (24) | 7 (17) |
| PD | 3 (7) | 7 (17) | 6 (14) |
| NE/NA | 0 | 3 (7) | 2 (5) |

DOR and PFS per RECIST v1.1 by Investigator

| | EV + fave/pembro n = 41 | EV + vibo/pembro n = 41 | EV + pembro n = 42 |
|-----------------------------------|----------------------------|----------------------------|-----------------------|
| Participants with response, n (%) | 28 (68) | 21 (51) | 27 (64) |
| Median (range), mo | NR (2.2+ to 14.7+) | 12.3 (4.0 to 12.4+) | 11.8 (1.8+ to 11.8) |

| | EV + fave/pembro n = 41 | EV + vibo/pembro n = 41 | EV + pembro n = 42 |
|---------------------|----------------------------|----------------------------|-----------------------|
| Events, n (%) | 18 (44) | 22 (54) | 21 (50) |
| Median (95% CI), mo | 11.2 (8.2-NR) | 10.8 (4.2-NR) | 8.9 (6.4-NR) |



RC48G001: A phase 2 study of disitamab vedotin in HER2-expressing previously treated advanced UC

Thomas Powles¹, Vadim S. Koshkin², Jonathan Rosenberg³, Nobuaki Matsubara⁴, Jason R. Brown⁵, Alexandra Drakaki⁶, Matthew T. Campbell⁷, Niara Oliveira⁸, Earle Burgess⁹, Gopa Iyer³, Avivit Peer¹⁰, Joachim Chan¹¹, Hernan Javier Cutuli¹², Bernhard J. Eigel¹³, Robert Jones¹⁴, Jeanny B. Aragon-Ching¹⁵, Jessica Schuman,¹⁶ Miao Yang,¹⁶ Kevin Sokolowski,¹⁶ Matthew D. Galsky¹⁷

¹Barts Cancer Centre, Queen Mary University of London, London, UK; ²Helen Diller Family Comprehensive Cancer Center, Division of Hematology/Oncology, Department of Medicine, University of California San Francisco, San Francisco, CA, USA; ³Memorial Sloan Kettering Cancer Center, New York, NY, USA; ⁴National Cancer Center Hospital East, Kashiwa, Japan; ⁵University Hospitals Cleveland Medical Center, Case Western Reserve University, Cleveland, OH, USA; ⁶David Geffen School of Medicine, University of California Los Angeles, Los Angeles, CA, USA; ⁷University of Texas MD Anderson Cancer Center, Houston, TX, USA; ⁸Mater Hospital Brisbane, Mater Misericordiae Ltd and the School of Clinical Medicine, Mater Clinical Unit, University of Queensland, South Brisbane, QLD, Australia; ⁹Atrium Health Wake Forest Baptist Comprehensive Cancer Center, Winston-Salem, NC, USA; ¹⁰Rambam Health Care Campus, Haifa, Israel; ¹¹The Clatterbridge Cancer Centre NHS Foundation Trust, Wirral, UK; ¹²Hospital Sirio Libanés, Buenos Aires, Argentina; ¹³British Columbia Cancer – Vancouver Center, Vancouver, BC, Canada; ¹⁴University of Glasgow, Beatson West of Scotland Cancer Centre, Glasgow, UK; ¹⁵Inova Schar Cancer Institute, Fairfax, VA, USA; ¹⁶Pfizer Inc., South San Francisco, CA, USA; ¹⁷Icahn School of Medicine at Mount Sinai, New York, NY, USA

HER2 Biobelirteci: Yüksek Değer iyi yanıt ve düşük değer daha düşük yanıt ilişkili

Single Agent HER2 ADC in Urothelial Carcinoma

| Yan et al Med 2025 ¹ | |
|------------------------------------|-----|
| ≥2 nd Line DV | |
| ORR (n=19) | |
| Overall | 26% |
| 1+ | 38% |
| 0 | 0% |

| Sheng et al JCO 2024 | |
|-------------------------|-------|
| 2nd Line DV | |
| ORR | |
| Overall | 51% |
| 3+ or 2+/IHC+ | 62% |
| 2+/IHC- | 40% |
| mPFS | |
| Overall | 5.9 m |
| 3+ or 2+/IHC+ | 5.7 m |
| 2+/IHC- | 6.2 m |

| Powles et al GU ASCO 2026 | |
|------------------------------|-----|
| 2nd Line DV | |
| ORR | |
| Her2 High | 55% |
| 3+ | 56% |
| 2+/ISH+ | 52% |
| Her2 Low | 53% |
| 2+/ISH- | 59% |
| 1+ | 35% |

| Meric-Bernstam, et al JCO 2024 | |
|-----------------------------------|----------|
| 2nd Line TDxD | |
| ORR | |
| *Overall | 39% |
| 3+ | 56% |
| 2+ | 35% |
| 1+ | 0% (N=2) |
| 0 | 0% (N=2) |

*Central Her2 assessment

DV/Tori

| Sheng et al NEJM 2025 | |
|--------------------------|--------|
| 1st Line DV/Tori | |
| ORR | |
| Overall | 76% |
| 2+/3+ | 79% |
| 1+ | 66% |
| mPFS | |
| Overall | 13.1 m |
| 2+/3+ | 13.1 m |
| 1+ | 12.3 m |
| mOS | |
| Overall | 32 m |
| 2+/3+ | 32 m |
| 1+ | 26 m |

| Sheng et al GU ASCO 2025 | |
|-----------------------------|-----|
| DV/Tori Neoadjuvant | |
| pCR | |
| Overall | 64% |
| 3+ | 85% |
| 2+ | 50% |
| 1+ | 50% |

Her2 biomarker is imprecise, but generally, higher is better.

¹Yan Med. 2025 Jul 11;6(7):100637

RC48G001 Study Design: Cohorts A and B

Cohort A and B are part of an open-label multicohort study in participants with HER2-expressing la/mUC

Eligibility:

- 1-2 prior lines of systemic therapy for la/mUC, including a platinum-containing regimen
- Disease progression during or after most recent line of therapy
- Central laboratory HER2 status^a IHC $\geq 1+$
- ECOG PS 0 or 1
- No prior MMAE-based ADCs or HER2-directed therapy

Cohort A (HER2-positive):
IHC 3+ or IHC 2+ and ISH-positive
DV 1.5 mg/kg^b IV Q2W

Cohort B (HER2-low):
IHC 2+ and ISH-negative/unevaluable or IHC 1+
DV 1.5 mg/kg^b IV Q2W

Treatment until disease progression or intolerable toxicity
Disease assessments Q6W from Cycle 1 Day 1 for 72 weeks, then Q12W until disease progression

Primary endpoint

- Confirmed ORR by BICR per RECIST 1.1

Select secondary endpoints

- DOR, DCR, and PFS by BICR per RECIST 1.1
- OS
- Safety

Data cutoff: September 12, 2025.

BICR, blinded independent central review; BSA, bovine serum albumin; DCR, disease control rate; DOR, duration of response; DISH, dual in situ hybridization; DV, disitamab vedotin; EC, extinction coefficient; ECOG PS, Eastern Cooperative Oncology Group performance status; HER2, human epidermal growth factor 2; IHC, immunohistochemistry; ISH, in-situ hybridization; la/mUC, locally advanced unresectable or metastatic urothelial cancer; MMAE, monomethyl auristatin E; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; Q2W, once every 2 weeks; Q6W, every 6 weeks, Q12W, every 12 weeks, RECIST, Response Evaluation Criteria in Solid Tumors.

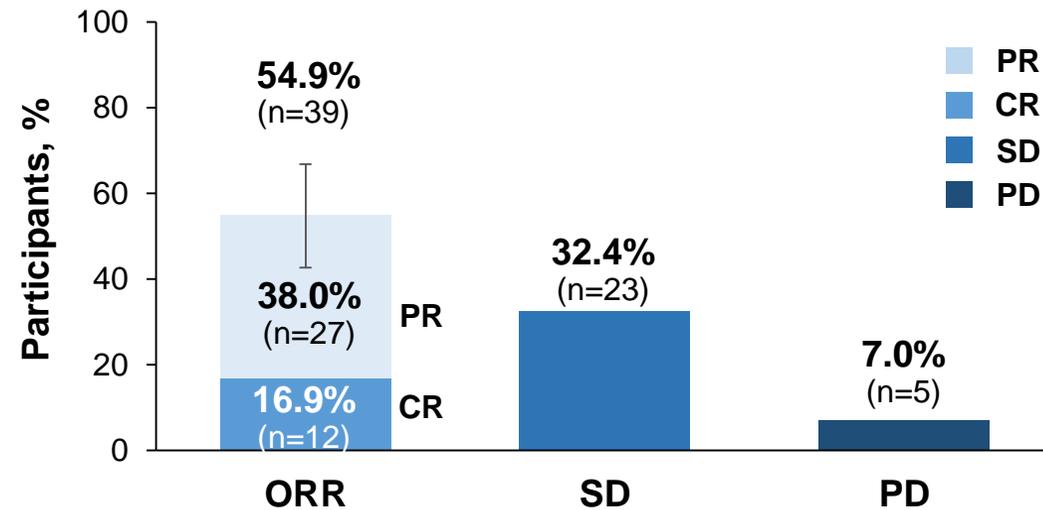
^aAs previously described,¹ HER2 expression was determined by a central laboratory using the VENTANA HER2 IHC and HER2 Dual ISH (DISH) DNA Probe Cocktail assays. Combined IHC and DISH results were scored for HER2 clinical status, according to HER2 guidelines for breast and gastroesophageal cancers (using an algorithm optimized for urothelial cancer), and patients were categorized as HER2-zero (IHC 0), HER2-low (IHC 1+, or IHC 2+/DISH nonamplified or IHC 2+ and DISH unevaluable [following a repeat test, or if a repeat test was not available]), or HER2-positive (IHC 2+/DISH amplified, or IHC 3+). ^bThe DV dose of 1.5 mg/kg cited here is based on calculations using DV EC and is equivalent to 2.0 mg/kg based on calculations using BSA-based EC administered in China.

1. Koshkin VS, et al. JCO Precis Oncol. 2025;9:e2400879.

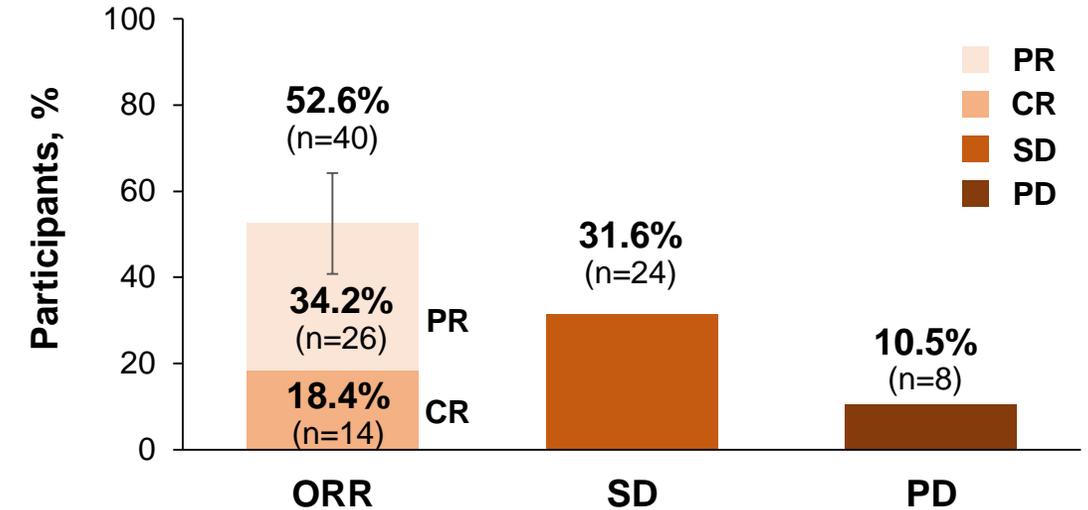
Primary Endpoint: Confirmed ORR by BICR

ORR was similar in Cohorts A and B, with a CR rate greater than 16%

Cohort A: HER2-positive (n=71)^{a,b}
(IHC 3+ or IHC 2+ and ISH-positive)



Cohort B: HER2-low (n=76)^{a,b}
(IHC 2+ and ISH-negative/unevaluable or IHC 1+)



| | |
|--|--------------------------|
| Follow-up, median (range), months | 11.3 (0-31) |
| Disease control rate, n (%) ^c [95% CI] | 62 (87.3) [77.3-94.0] |
| DOR, median (95% CI), months | 5.8 (4.6-9.4) |

| | |
|--|--------------------------|
| Follow-up, median (range), months | 17.1 (1-40) |
| Disease control rate, n (%) ^c [95% CI] | 64 (84.2) [74.0-91.6] |
| DOR, median (95% CI), months | 6.9 (4.7-9.4) |

Data cutoff: September 12, 2025.

BICR, blinded independent central review; CI, confidence interval; CR, complete response; DOR, duration of response; HER2, human epidermal growth factor 2; IHC, immunohistochemistry; ISH, in situ hybridization; ORR, objective response rate; PD, progressive disease; PR, partial response; SD, stable disease.

^aThe response-evaluable set included all participants with measurable disease by BICR at baseline, which included 71 of 73 patients in Cohort A, and 76 of 78 patients in Cohort B. ^bResponse was not evaluable in 4 participants in each cohort.

^cDefined as the proportion of participants with confirmed CR/PR, or who met SD criteria at least once after treatment initiation at an interval of ≥ 5 weeks.

Summary of Outcomes in Participants Receiving Subsequent EV-based Therapy

Clinical activity was observed with subsequent EV-based therapy after discontinuation of DV

| | Cohort A HER2-positive (n=73) | Cohort B HER2-low (n=78) |
|---|-------------------------------------|--------------------------------|
| Patients receiving EV monotherapy, n (%) | 11 (17.2) | 8 (11.0) |
| Best response^a | | |
| CR | 0 | 0 |
| PR | 2 (18.2) | 1 (12.5) |
| SD | 2 (18.2) | 2 (25.0) |
| PD | 3 (27.3) | 4 (50.0) |
| Participants receiving EV+P, n (%) | 4 (6.3) | 7 (9.6) |
| Best response^b | | |
| CR | 0 | 0 |
| PR | 0 | 0 |
| SD | 2 (50.0) | 2 (28.6) |
| PD | 0 | 3 (42.9) |

- Of participants who received subsequent EV monotherapy, 2 of 11 in Cohort A and 1 of 8 in Cohort B achieved PR
- Of participants who received subsequent EV+P, 2 of 4 in Cohort A and 2 of 7 in Cohort B achieved SD

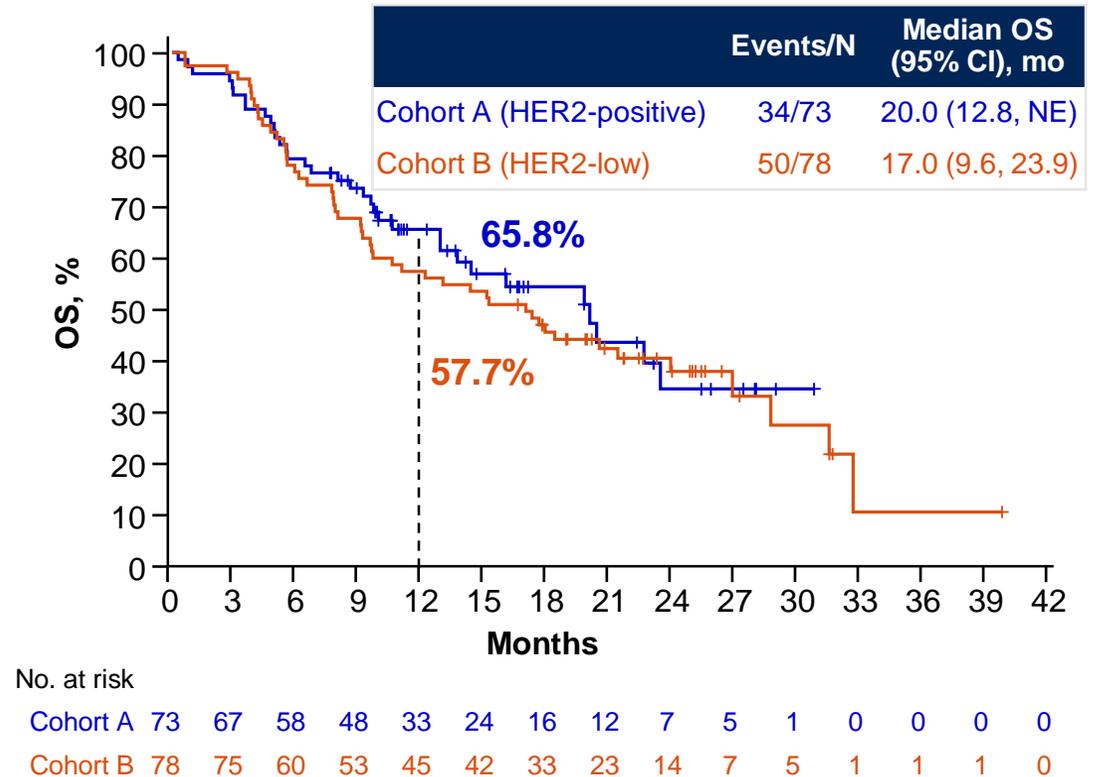
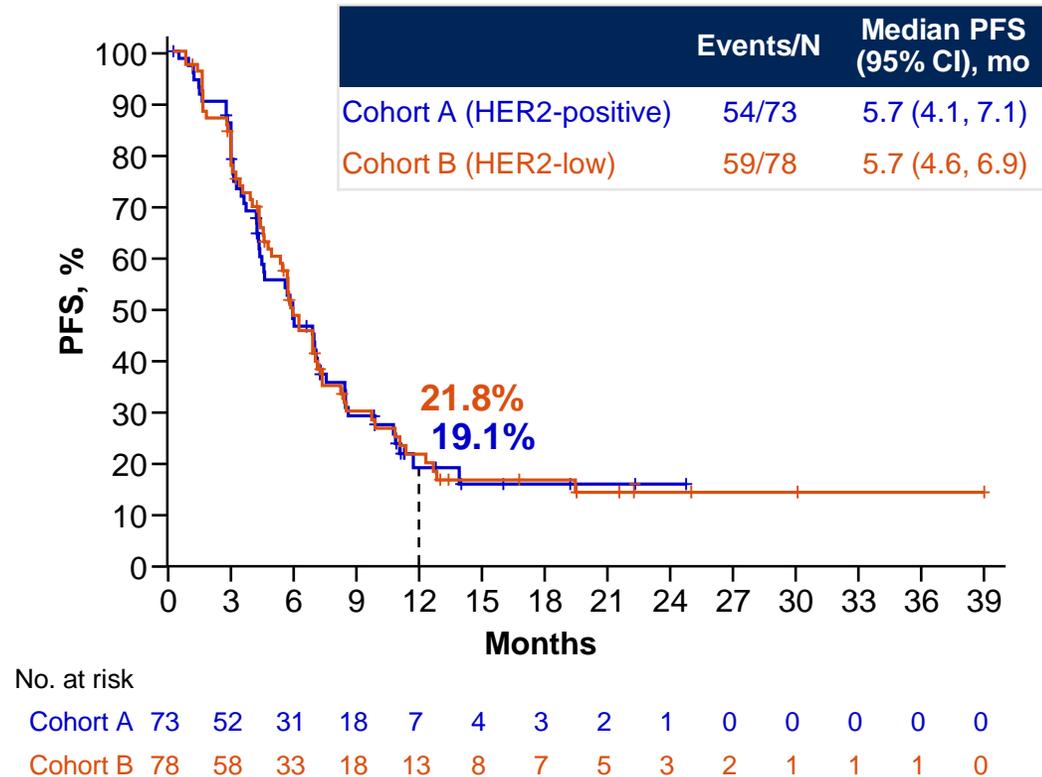
Data cutoff: September 12, 2025.

CR, complete response; DV, disitamab vedotin; EV, enfortumab vedotin; HER2, human epidermal growth factor 2; P, pembrolizumab; PD, progressive disease; PR, partial response; SD, stable disease.

^aThe denominator is the number of participants who received EV monotherapy; best response was unknown for 4 participants in Cohort A and 1 participant in Cohort B. ^bThe denominator is the number of participants who received EV+P; best response was unknown for 2 participants in Cohort A and 2 participants in Cohort B.

Progression-Free Survival and Overall Survival

PFS and OS were similar between cohorts

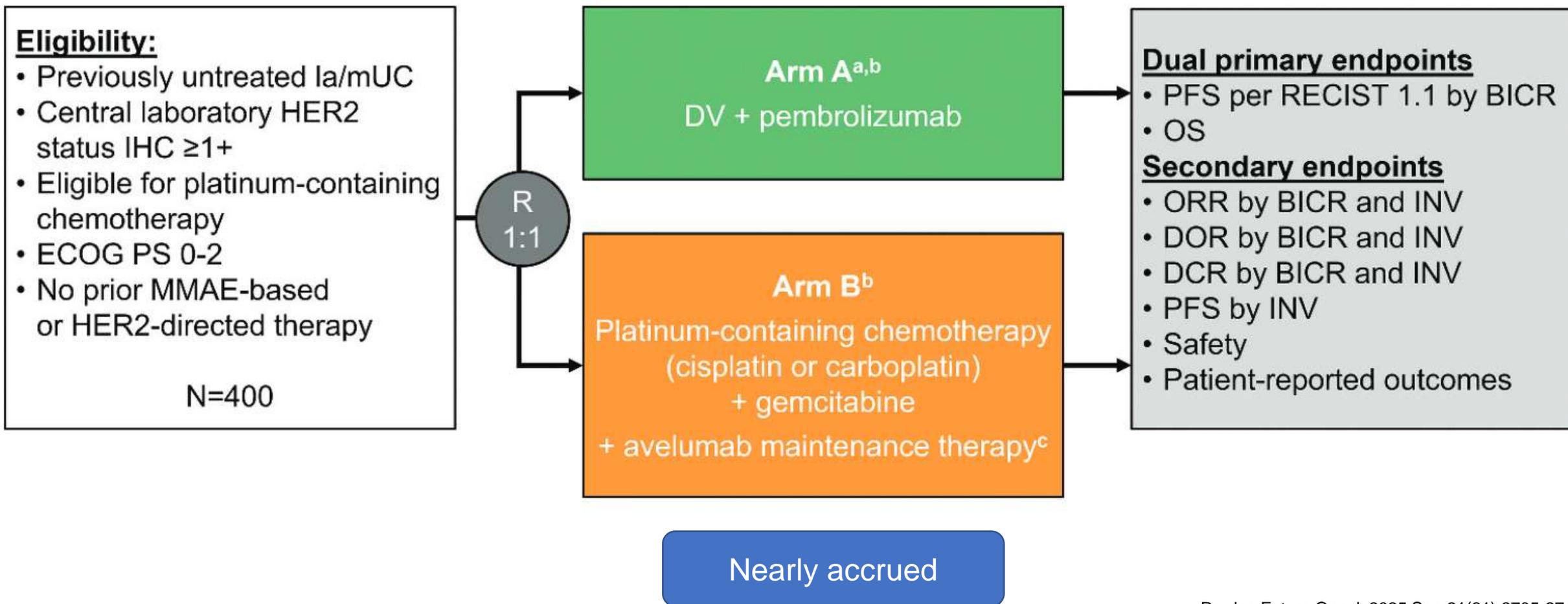


- The median PFS and OS were consistent across HER2 expression levels
- OS was favorable in this 2L/3L therapeutic setting for la/mUC

Data cutoff: September 12, 2025. Median follow-up was 11.3 months for Cohort A and 17.1 months for Cohort B.

2L, second line; 3L, third line; HER2, human epidermal growth factor 2; la/mUC, locally advanced unresectable or metastatic urothelial cancer; NE, not evaluable; PFS, progression-free survival; OS, overall survival.

SGNDV-001: Phase 3, DV/P vs Gem-Platinum-Ave



Powles Future Oncol. 2025 Sep;21(21):2705-2712

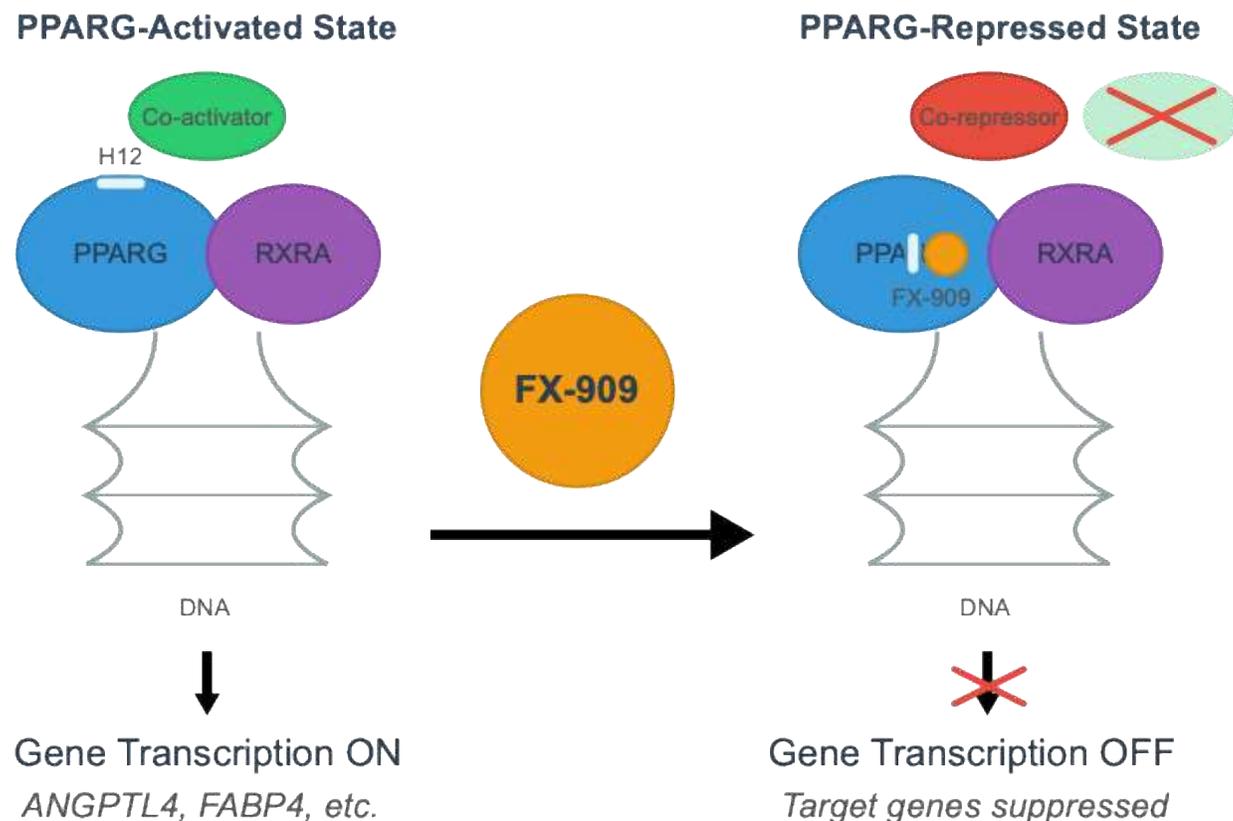
Üroteliyal Kanserlerde Tedavi Seçenekleri ASCO-GU 2026

Metastatik Evrede Yeni Seçenekler

Background

- The transcription factor PPARG is the master regulator of the luminal lineage in advanced urothelial cancer^{1,2}
 - The luminal subtype comprises 65% of urothelial cancers^{3,4}
- Genomic evidence for PPARG activation in UC includes recurrent focal amplifications, activating mutations, and hotspot mutations in *RXRA* (S427F/Y), the obligate heterodimeric partner of PPARG^{3,4}
- FX-909 is a novel **first-in-class**, orally bioavailable potent and selective **PPARG inverse agonist** that stably enforces a conformationally 'repressive' state that elicits durable tumor regressions in xenograft models⁵

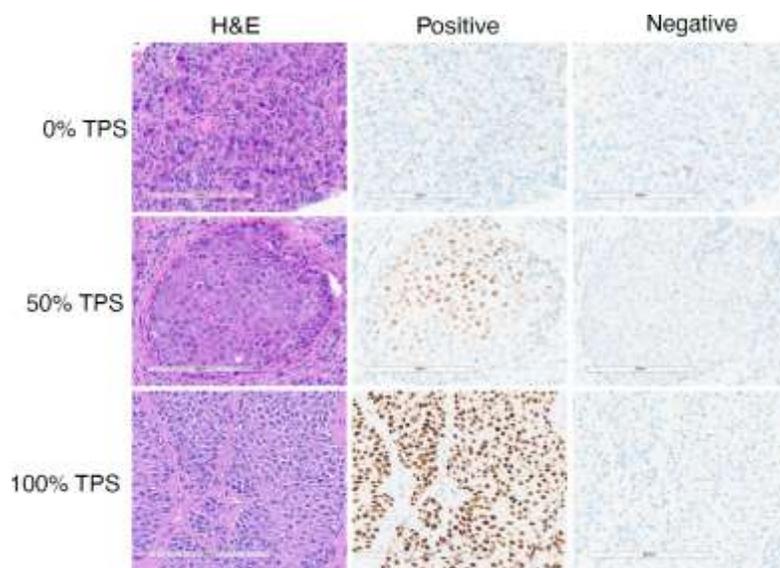
PPARG Inverse Agonist Mechanism of Action



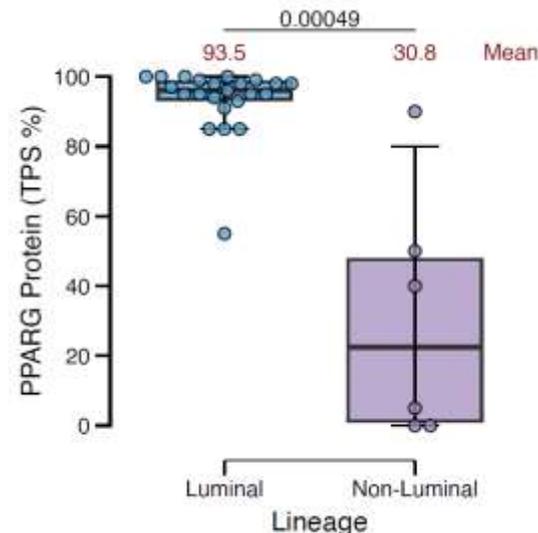
1 Rochel et al. *Nature Comm* (2019); 2 Tate et al. *Nature Comm* (2021); 3 Robertson et al. *Cell* (2017); 4 Motley et al. *Euro J. Cancer* (2022); 5 Sims et al. Proc.. AACR, *Cancer Res* (2023)

High Protein Expression of PPARG is Associated with Luminal Lineage

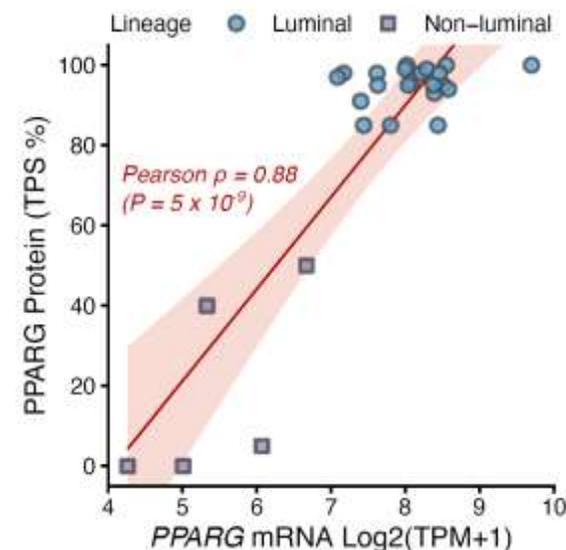
Nuclear tumor staining of PPARG by immunohistochemistry (SP-500)



PPARG protein expression is significantly enriched in luminal tumors



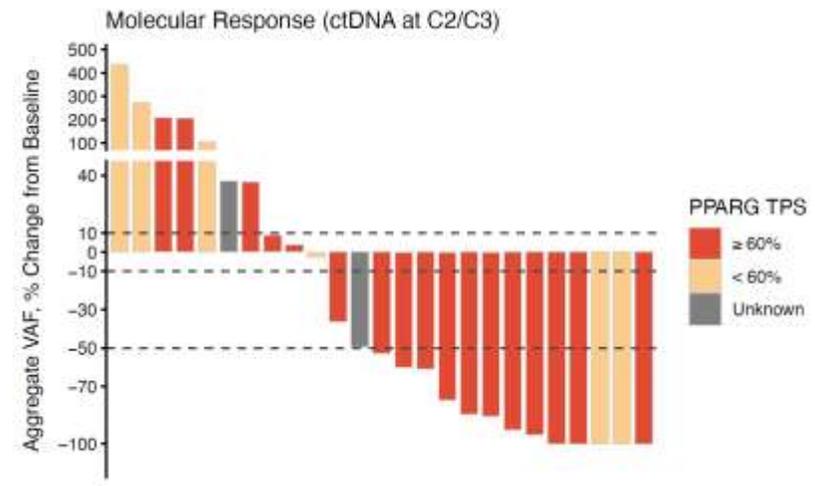
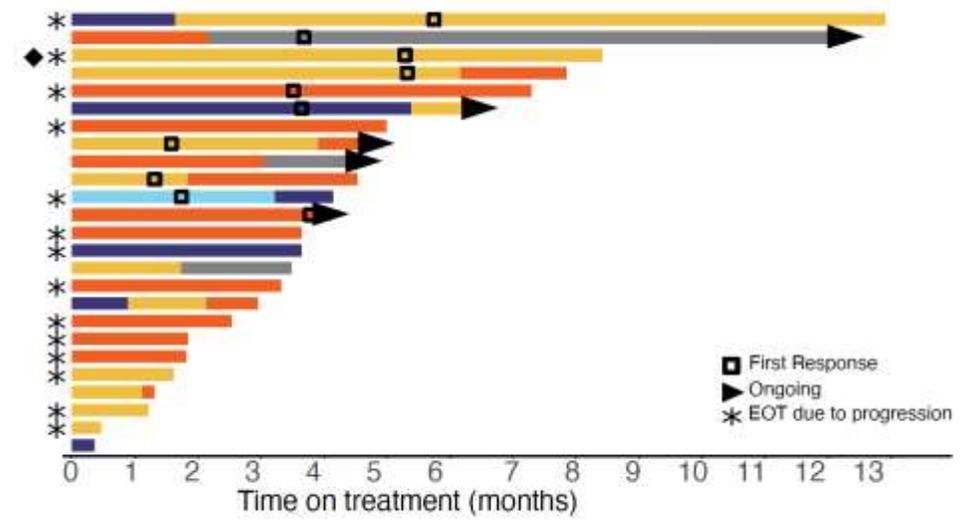
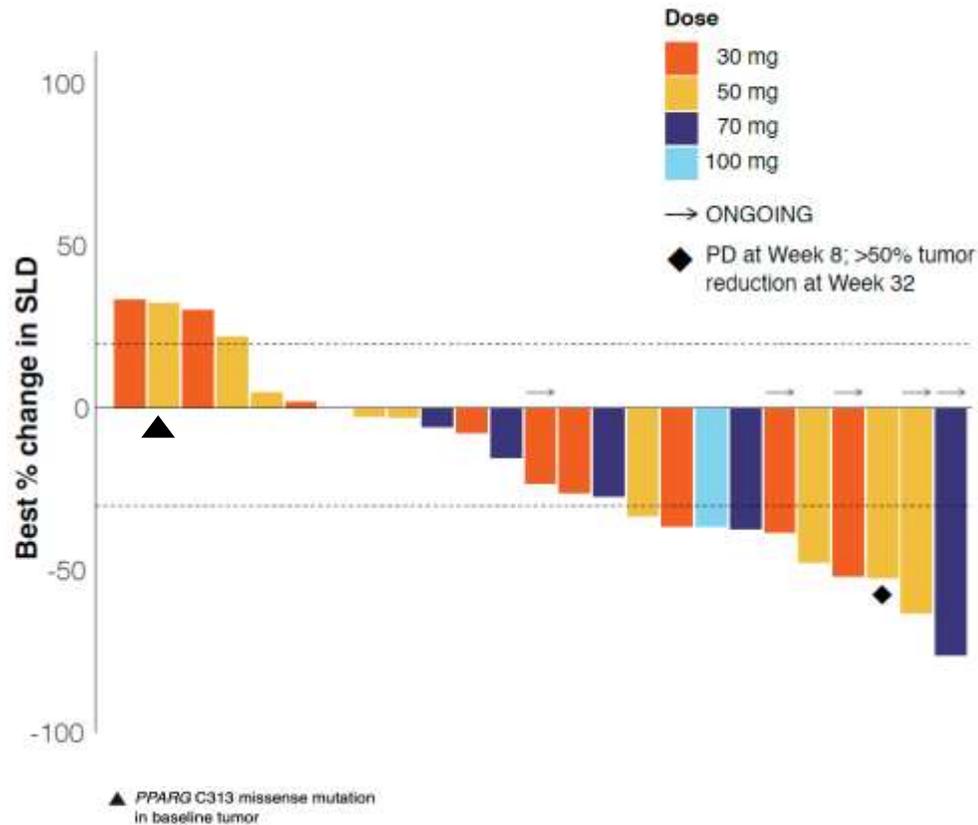
Correlation between PPARG mRNA and protein expression (%TPS)



Provisional cutoff of **TPS $\geq 60\%$** was determined from integrative biostatistical modeling leveraging the Tempus xT RWD, patients with expression at this threshold are defined as PPARG^{high}

Antitumor Activity in Patients with PPARG^{high} Advanced UC

N=25



Üroteliyal Kanserlerde Tedavi Seçenekleri

ASCO-GU 2026

Erken Evrede Yeni Seçenekler

SunRISe-2 Study: Randomized, Controlled Superiority Design

NCT04658862

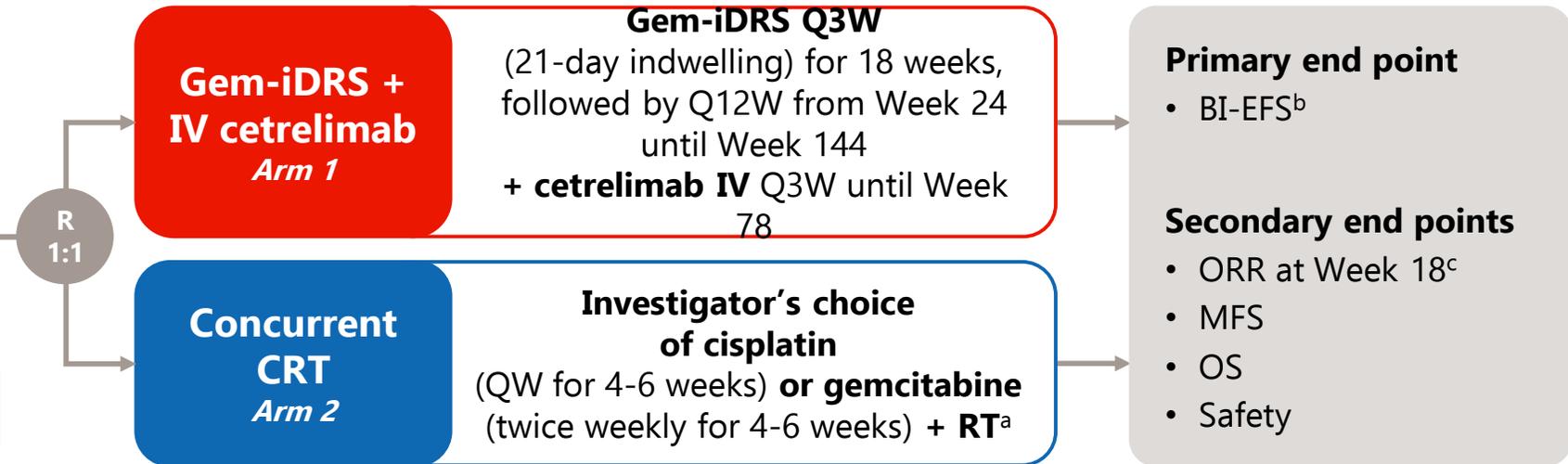
Population:

- Aged ≥ 18 years
- Histologically confirmed cT2-T4a, N0, M0 MIBC
- ECOG PS of 0-2
- Declined/ineligible for RC
- Adequate organ function

- Screening re-TURBT: tumor ≤ 3 cm; no diffuse CIS

Stratification:

- Screening re-TURBT: visibly complete vs incomplete
- Tumor stage at screening re-TURBT: T0 vs Ta/T1/Tis vs T2-T4a



- Median follow-up: 11.3 (range, 0.03-43.2) months
- The study was designed assuming a 12% absolute improvement in the 2-year BI-EFS rate, providing 90% power to detect an HR of 0.65 between treatment vs control arms using a 2-sided alpha of 0.05^d

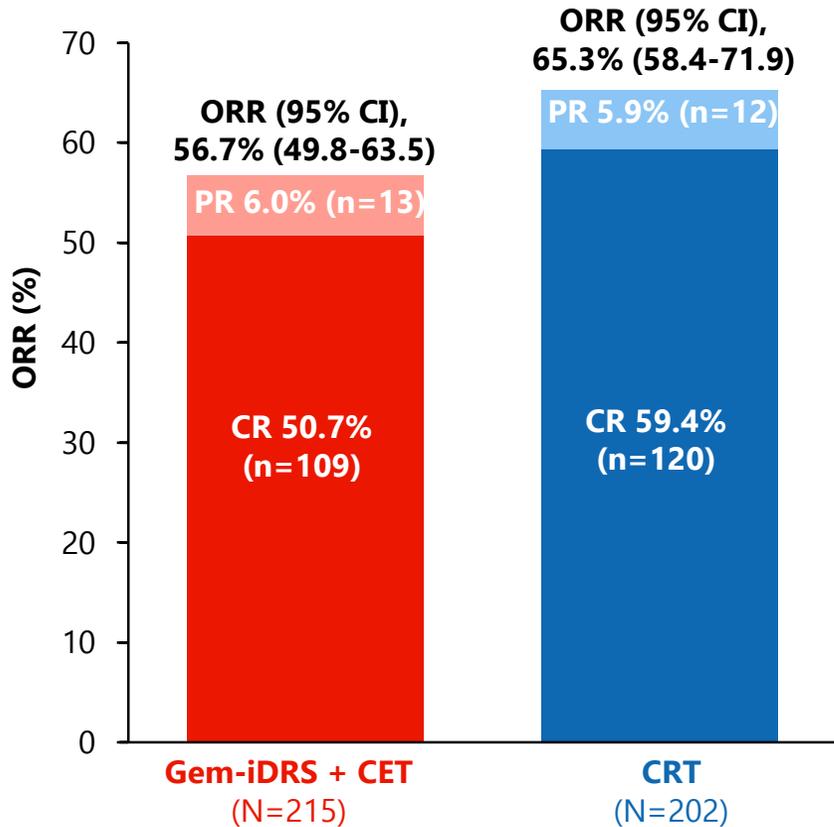
^aRT was either conventional (64 Gy, bladder only) for up to 6.5 weeks or hypofractionated (55 Gy, bladder only) for up to 4 weeks. ^bDefined as any of the following: histologically proven presence of MIBC, clinical evidence of nodal or metastatic disease, RC, or death due to any cause. ^cA futility analysis based on ORR was conducted after 300 patients completed the Week 18 disease assessment. ^dAssumes a 34-month accrual, 24 months of additional follow-up, and a 5% annual dropout rate.

BI-EFS, bladder-intact event-free survival; ECOG PS, Eastern Cooperative Oncology Group performance status; HR, hazard ratio; MFS, metastasis-free survival; ORR, overall response rate; OS, overall survival; QW, every week; Q3W, every 3 weeks; Q12W, every 12 weeks; R, randomization; RT, radiation therapy; TURBT, transurethral resection of bladder tumor.

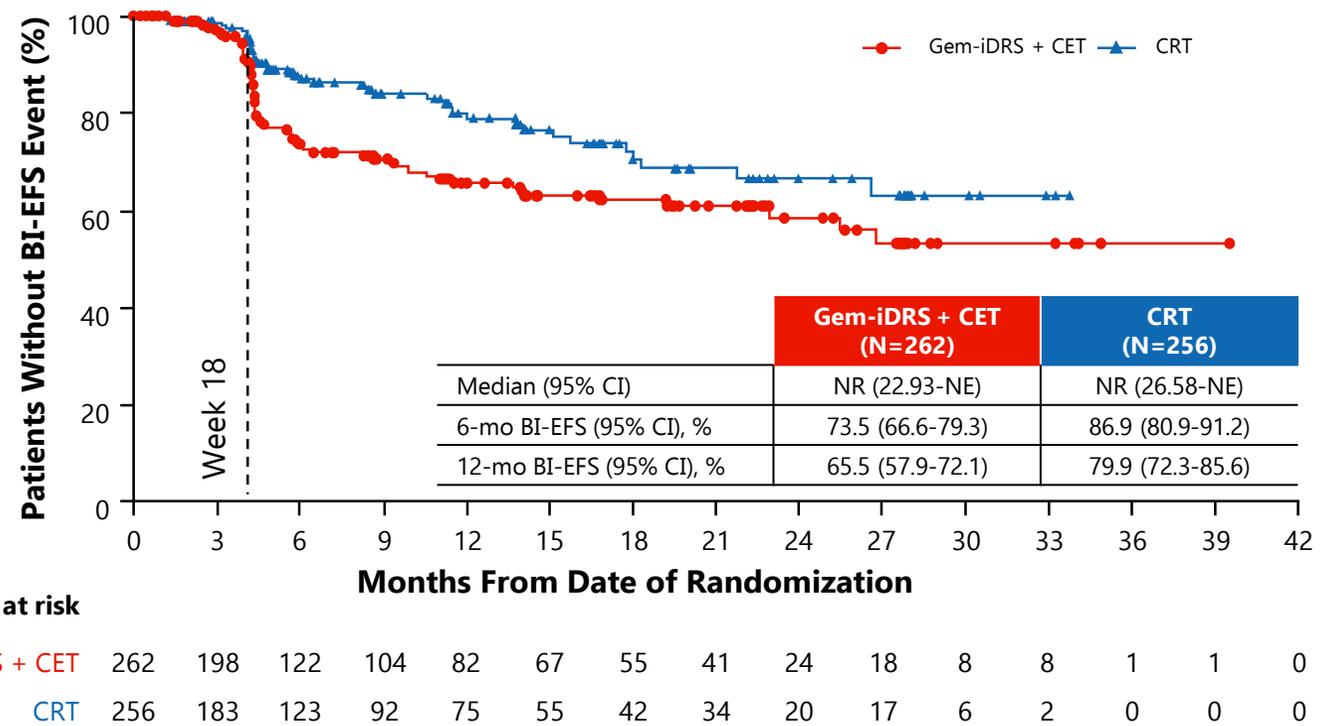


18; Gem-iDRS + Cetrelimab Did Not Show Superior BI-EFS

ORR at Week 18^a



BI-EFS

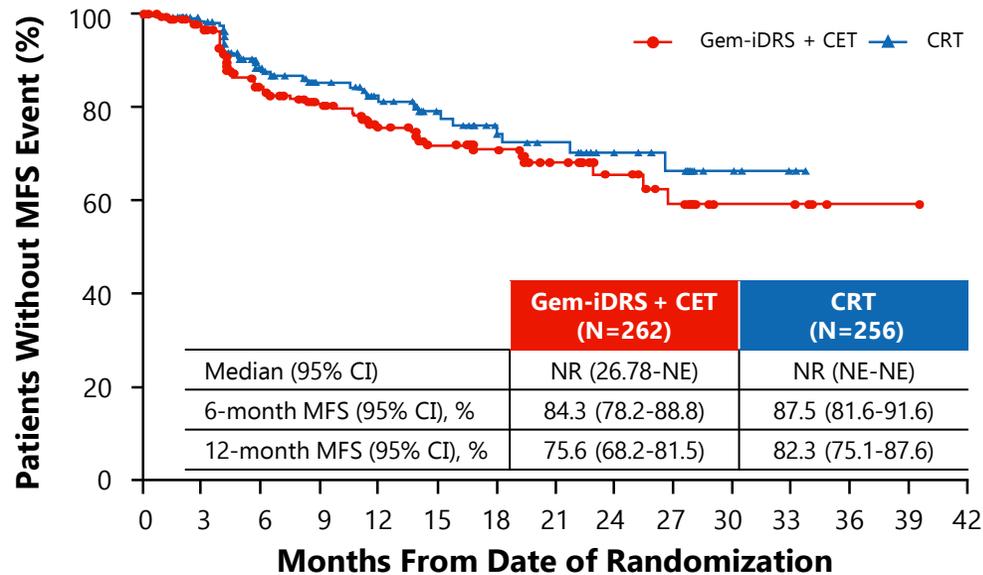


Clinical cutoff date July 7, 2025. ^aORR was for the evaluable analysis set that consisted of all patients who had at least 1 Week 18 efficacy assessment, had disease progression prior to or in Week 18, or discontinued the study without the Week 18 assessment. Nonresponse was reported in 93 (43.3%) patients in the gem-iDRS + CET arm and 70 (34.7%) patients in the CRT arm. NE, not estimable; NR, not reached; PR, partial response; RECIST, Response Evaluation Criteria In Solid Tumors.



Gem-iDRS + Cetrelimab Did Not Show Superior MFS or OS, Compared With CRT

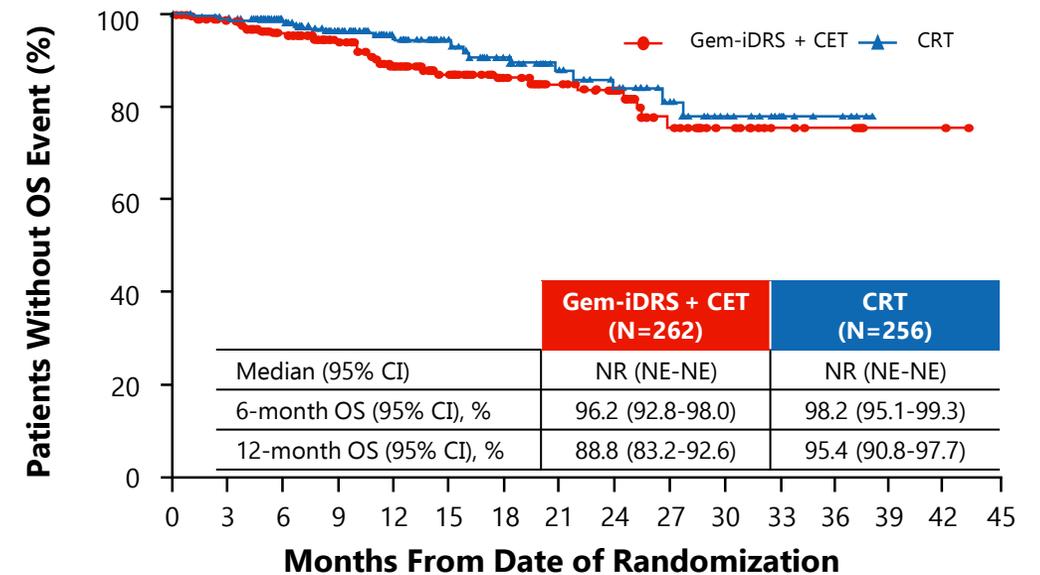
Metastasis-free survival



Patients at risk

| | 0 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 | 39 | 42 |
|----------------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|
| Gem-iDRS + CET | 262 | 200 | 136 | 112 | 86 | 70 | 58 | 41 | 24 | 18 | 8 | 8 | 1 | 1 | 0 |
| CRT | 256 | 186 | 125 | 93 | 75 | 55 | 42 | 34 | 20 | 17 | 6 | 2 | 0 | 0 | 0 |

Overall survival



Patients at risk

| | 0 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 | 39 | 42 | 45 |
|----------------|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| Gem-iDRS + CET | 262 | 239 | 193 | 156 | 126 | 106 | 82 | 67 | 49 | 33 | 20 | 11 | 9 | 2 | 1 | 0 |
| CRT | 256 | 236 | 167 | 127 | 105 | 82 | 67 | 51 | 40 | 28 | 18 | 10 | 5 | 0 | 0 | 0 |

Clinical cutoff date July 7, 2025.

MFS is defined as the time from randomization to first radiologic (as assessed by RECIST 1.1 criteria) evidence of metastatic disease or death due to any cause. Evidence of metastatic disease was determined by imaging results showing progression. Patients known to be alive and free of metastatic disease were censored at the date of last assessment.

OS is defined as the time from randomization to death from any cause. Patients who did not have an OS event were censored at the date when they were last known to be alive.



Recurrence after BCG... FDA approvals (CIS)

2020

FDA approves pembrolizumab for BCG-unresponsive, high-risk non-muscle invasive bladder cancer

CRR 41%

2022

FDA D.I.S.C.O. Burst Edition: FDA approval of Adstiladrin (nadofaragene firadenovec-vncg) for patients with high-risk Bacillus Calmette-Guérin unresponsive non-muscle invasive bladder cancer with carcinoma in situ with or without papillary tumors

CRR 53.4%

2024

FDA approves nogapendekin alfa inbakicept-pmln for BCG-unresponsive non-muscle invasive bladder cancer

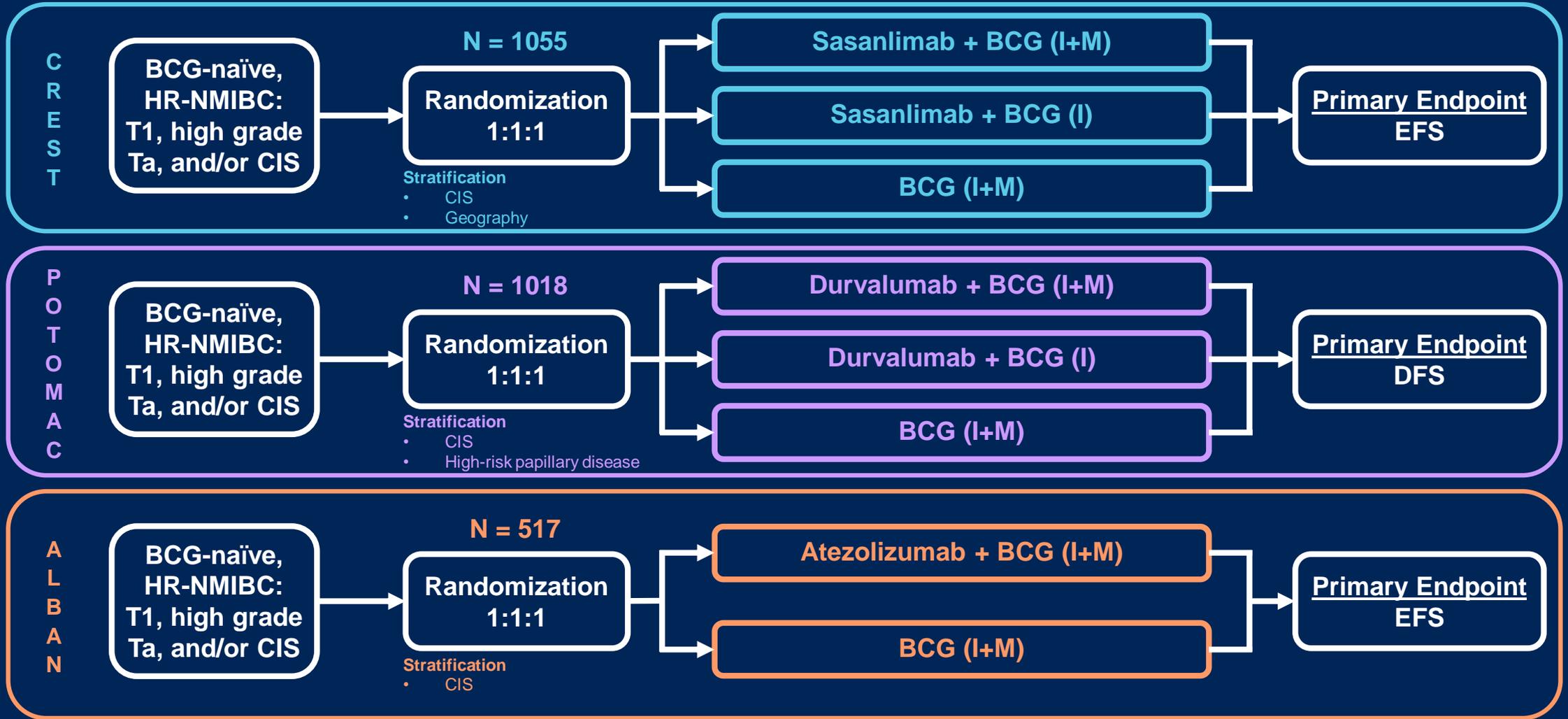
CRR 71%

2025

FDA approves gemcitabine intravesical system for non-muscle invasive bladder cancer

CRR 82.4%

The Evidence

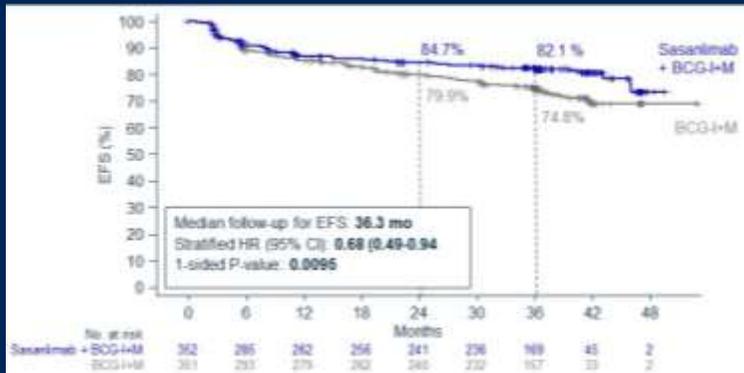


Shore NS et al, AUA 2025 / Nat Med 2025;31:2806-14 / De Santis M et al, ESMO 2025 / Lancet 2025;406(10516):2221-2234 / Roupret M et al, ESMO 2025 / Ann Oncol 2026;37(1):44-52

HR-NMIBC = High-risk Non-muscle invasive bladder cancer; I = Induction; M = Maintenance; EFS = Event-free survival; DFS = Disease-free survival

The Evidence

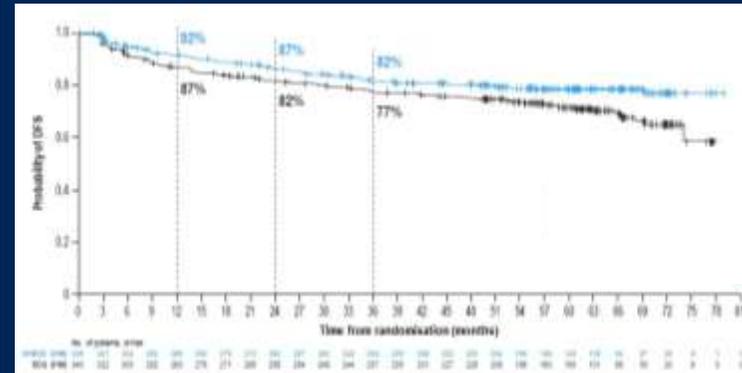
CREST



EFS HR 0.68 (0.49-0.94) p=0.0095

- 7.3% absolute 3-yr EFS improvement
- S + BCG (I+M) Gr 3-4 irAE TRAE = 15.7%
- 2 yrs Sasanlimab tx
- 2 yrs BCG tx

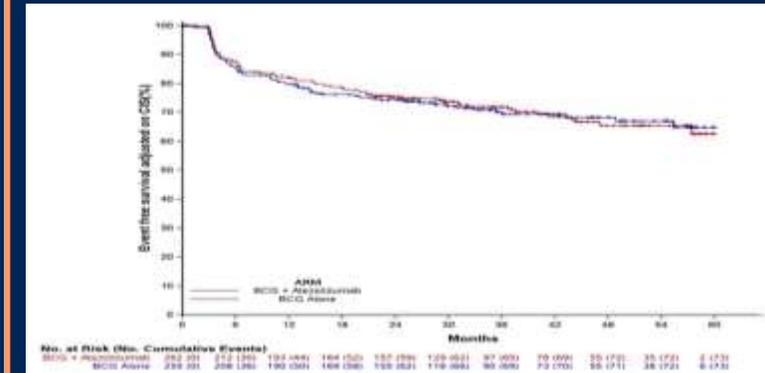
POTOMAC



DFS HR 0.68 (0.50-0.93) p=0.0154

- 4.4% absolute 3-yr DFS improvement
- D + BCG (I+M) Gr 3-4 irAE TRAE = 8.0%
- 1 yr Durvalumab tx
- 2 yrs BCG tx

ALBAN



EFS HR 0.98 (0.71-1.36) p=0.91

- 0% absolute 3-yr EFS improvement
- A + BCG (I+M) Gr 3-4 irAE TRAE = 5.5%
- 1 yr Atezolizumab tx
- 1 yr BCG tx

Sonuç

- ❑ Enfortumab vedotin+Pembrolizumab Sisplatin uygun ve olmayanlarda standart
- ❑ Patolojik tam yanıt elde edilen ctDNA ve utDNA negatif adjuvan tedavi gerekmiyor görünüyor
- ❑ Patolojik tam yanıt elde edilen ctDNA ve utDNA negatif cerrahi isteksiz hastayı operasyona zorlamam ve radyoterapi için zorlamam
- ❑ Neoadjuvan/adjuvan Durvalumab ve ctDNA +Adjuvan Atezolizumab sadece bilimsel bir veri klinik uygulamada yeri kalmadı
- ❑ Her-2 +≥1pozitif yeni marker metastatik ve neoadjuvan disitamab vedotin+pembrolizumab sonuçları bekleniyor ve pCR %60 ve üstü olursa yeni bir seçenek olabilir