



**Initial Results from Dose Escalation
Portion from the Phase 1 Trial of SIM0505,
an Antibody Drug Conjugate (ADC)
Cadherin-6 (CDH6)**

June 2, 2026

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Today's Speakers



Michael Richman

Chief Executive
Officer, NextCure



**Udayan Guha
MD, PhD**

Chief Medical
Officer, NextCure



**Rakesh Dixit,
PhD, DBAT**

Scientific Advisory
Board, NextCure



Ursula Matulonis, MD

Chief, Gynecologic
Oncology, Dana Farber
Cancer Institute, and
NextCure Scientific
Advisory Board



**Beryl Manning-
Geist, MD,**

Assistant Professor,
Gynecology and
Obstetrics, Emory
University

Today's Agenda

Post-ASCO Investor Event

Welcome	Michael Richman, CEO
SIM0505 Overview	Rakesh Dixit, PhD, DBAT
ASCO 2026 Data	Ursula Matulonis, MD
Unmet Need and Clinical Perspective	Udayan Guha, MD, PhD, CMO, NextCure, Ursula Matulonis, MD, and Beryl Manning-Geist, MD
Q&A	NextCure Management and Key Opinion Leaders
Closing Comments	Michael Richman, CEO

SIM0505 Demonstrated Best-in-Class Potential in Gynecologic Cancers

- Positive SIM0505 Phase 1 dose escalation data at ASCO 2026
- 55% ORR response in gynecologic cancers at therapeutic doses*
- 52.9% ORR in ovarian cancer, 66.7% ORR in uterine serous carcinoma (USC)
- Favorable safety and tolerability in heavily treated patients
- Phase 1 dose optimization underway, with an emphasis on patients with platinum resistant ovarian cancer (PROC) and USC
- PROC and USC represent two of the most challenging gynecologic malignancies with significant unmet need

*Based on therapeutic doses (4.8, 5.6, 6.4, 7.2, and 8.0 mg/kg) at 12 weeks and best response

SIM0505 Differentiation

Rakesh Dixit, PhD, DBAT

ADC Specialist,

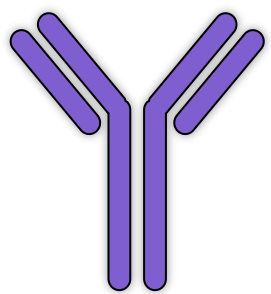
NextCure Scientific Advisory Board



SIM0505 is a Differentiated CDH6 TOPOi ADC

VALIDATED TARGET WITH PROPRIETARY TOPOi PAYLOAD

CDH6 mAb



Unique Binding Epitope
with Increased Affinity

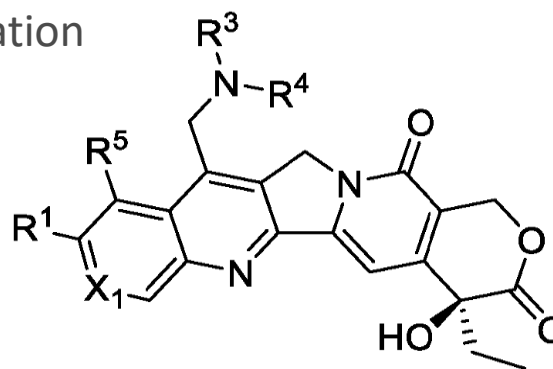
Linker

GGFG Linker

Gly-Gly-Phe-Gly Provides
Tumor-Specific Cleavage

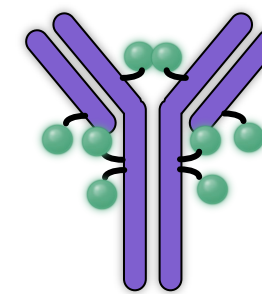
Payload CPT116 (TOPO)

Cysteine conjugation



High Systemic Clearance
for Reduced Toxicity

DAR 8.0

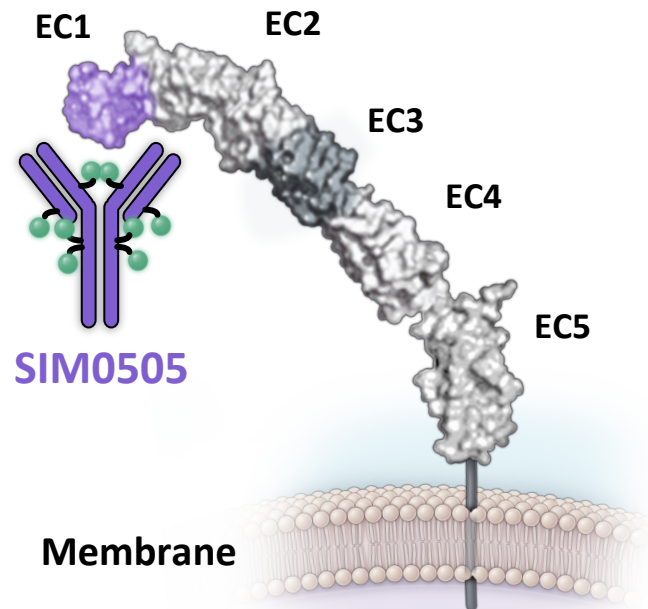


Potent Cytotoxicity with
Anticipated Safety
Improvement

SIM0505 Structural and Functional Differentiation by Design

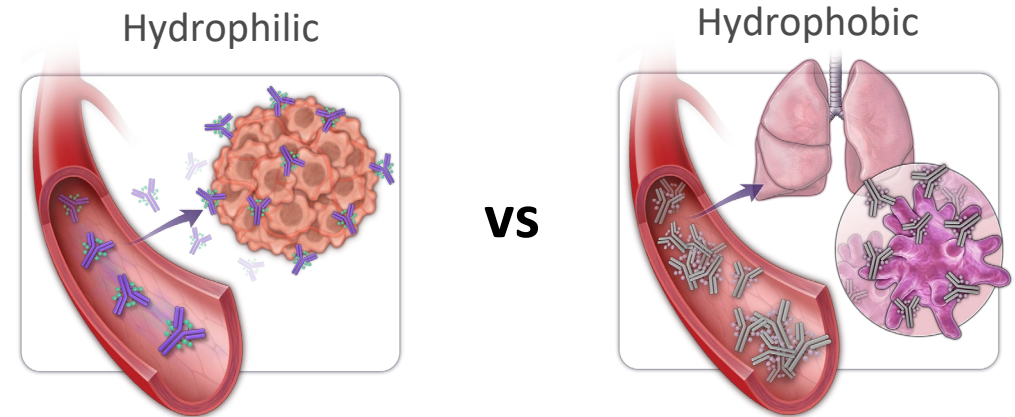
SIM0505

- Unique distal EC1 epitope on CDH6
- Ovarian, uterine, RCC, NSCLC
- High affinity & internalization
- PK proportionality



CPT116 (PAYLOAD)

- Designed for better tolerability & safety
- Hydrophilic & high systemic clearance
- Good permeability & bystander effect
- Less aggregation than hydrophobic



SIM0505 Phase 1 Dose Escalation Data

Ursula Matulonis, MD

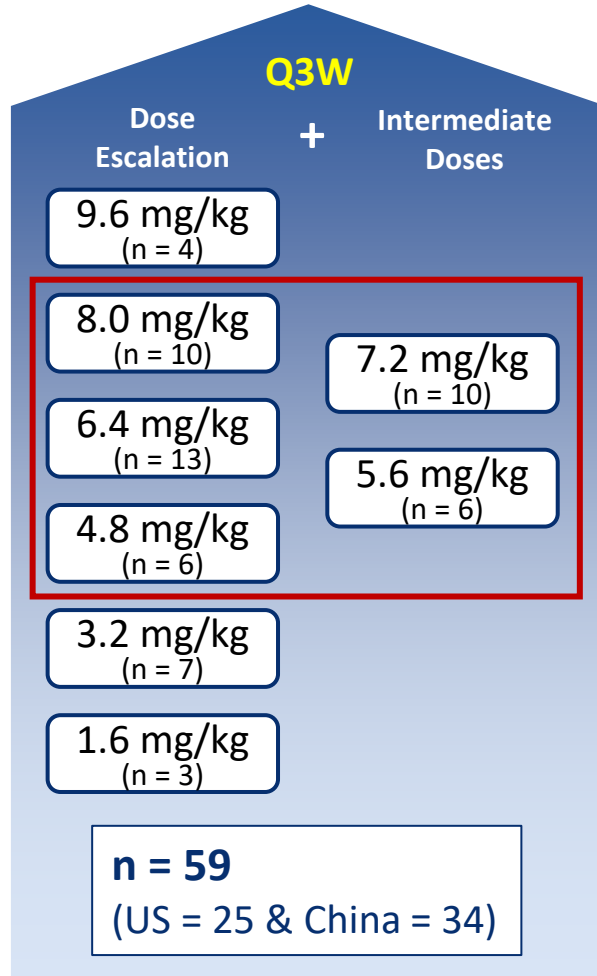
Chief, Division of Gynecologic Oncology,
Dana Faber Cancer Institute, and NextCure
Scientific Advisory Board



SIM0505 Development Plan

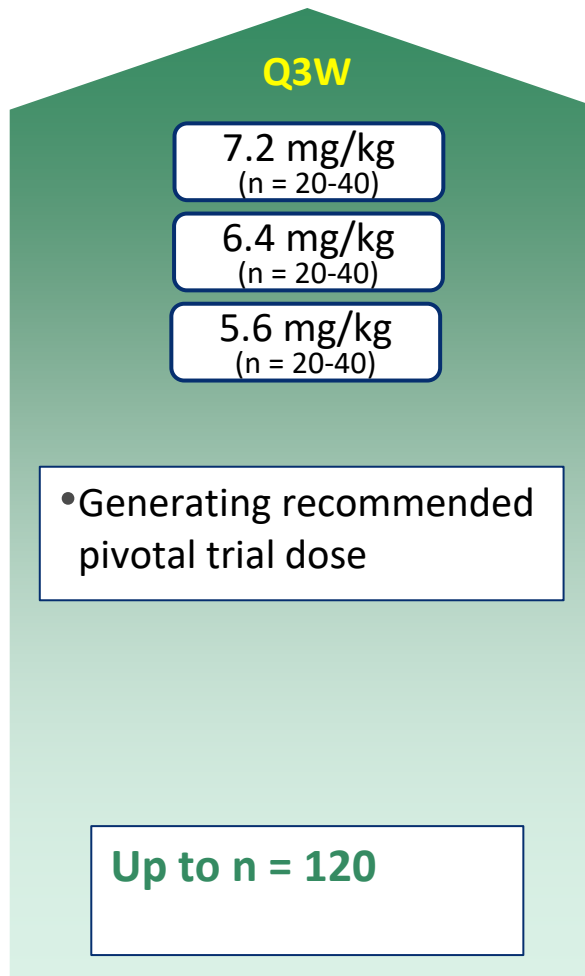
COMPLETED
DOSE ESCALATION
2Q 2026

Ovarian, USC, RCC, EC



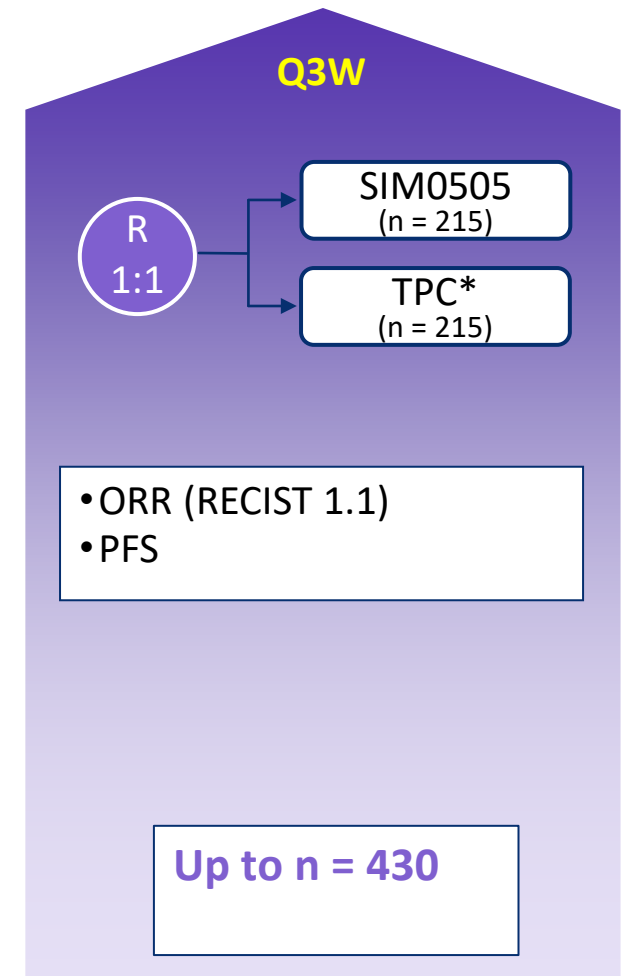
INITIATED
DOSE OPTIMIZATION
2Q 2026

PROC & USC



PLANNING
PIVOTAL TRIAL

PROC



*TPC: treatment of physician's choice

Baseline Characteristic	US Patients (n = 25)	China Patients (n = 34)	All Patients (n = 59)
Age, years			
Median (range)	63 (49-78)	56 (42-72)	58 (42-78)
Sex, n (%)			
Male	0 (0.0)	2 (5.9)	2 (3.4)
Female	25 (100)	32 (94.1)	57 (96.6)
Tumor Type, n (%)			
Ovarian	19 (76.0)	27 (79.4)	46 (78.0)
USC/other endometrial	6 (24.0)	4 (11.8)	10 (16.9)
RCC	0 (0.0)	3 (8.8)	3 (5.1)
ECOG performance status, n (%)			
0	8 (32.0)	8 (23.5)	16 (27.1)
1	17 (68.0)	26 (76.5)	43 (72.9)
Prior systemic anti-cancer regimens			
Median (range)	3 (1-9)	5 (1-12)	5 (1-12)

Data cut 07Apr26

Patient Population

- Poor performance status
 - ~73% ECOG 1
- Heavily pretreated
- ~75% of ovarian / USC patients had FIGO Stage IV metastatic tumor burden

FIGO: International Federation of Gynecology and Obstetrics

SIM0505 Has Shown a Well Manageable Safety Profile

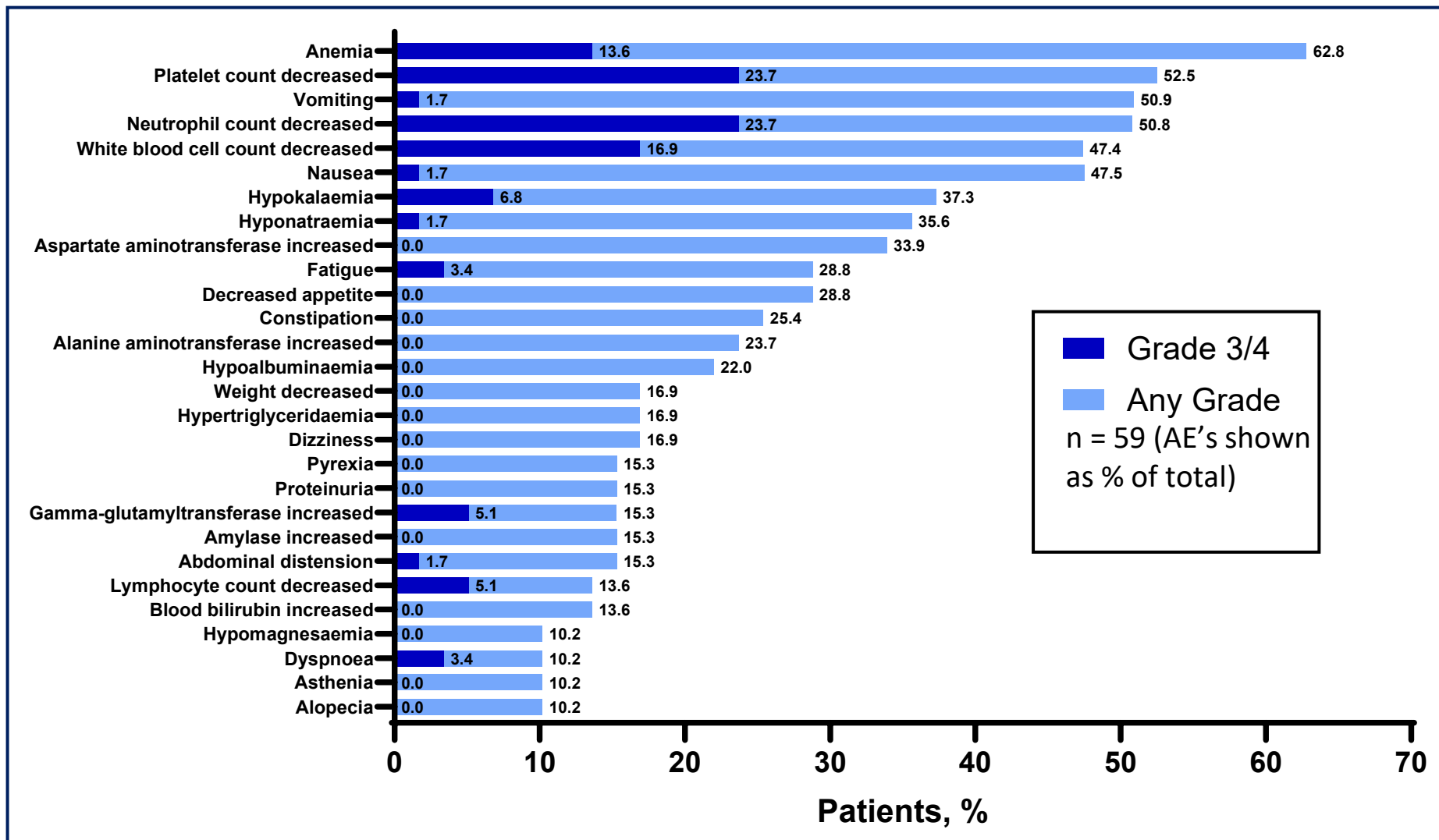
Overview of Adverse Events	1.6 – 9.6 mg/kg (n = 59) n (%)
Treatment-emergent adverse events (TEAEs) (%)	59 (100)
Grade ≥3	32 (54.2)
Grade 5 ^a	2 (3.4)
TEAEs related to study drug (TRAEs) (%)	57 (96.6)
Grade ≥3	28 (47.5)
Grade 5	0
Any Serious adverse events (SAEs) (%)	16 (27.1)
Treatment related SAE, n (%)	10 (16.9)
TRAЕ Dose modifications, n (%)	
Dose interruption	14 (23.7)
Dose reduced	11 (18.6)
Dose discontinued	3 (5.1)
Interstitial Lung Disease (ILD) / Pneumonitis ^b	2 (3.3)
Grade ≥3	0 (0)

a. 1 Gr5 at 7.2 mg/kg related to disease progression, 1 Gr5 at 8.0 mg/kg complicated UTI (not related)

b. 1 Gr1 ILD at 5.6mg/kg and 1 Gr2 ILD at 6.4mg/kg

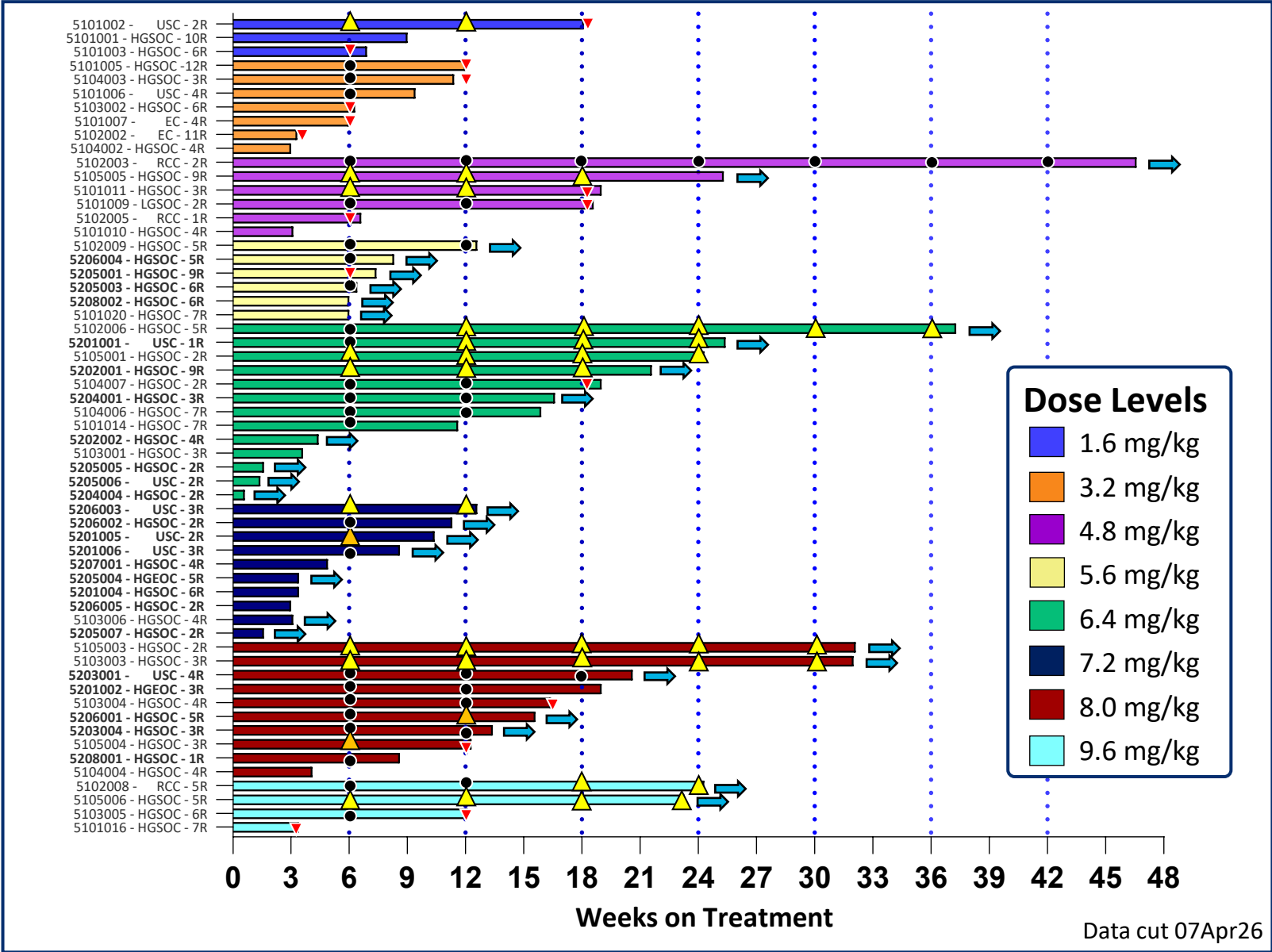
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Most Common TEAEs ($\geq 10\%$)



- MTD not reached
- No primary prophylaxis *required* for neutropenia & thrombocytopenia
- Grades 1 & 2 TEAEs were predominantly hematological, nausea & vomiting
- Grades 3 & 4 TEAEs were hematological and manageable

Swimmer Plot All Patients at All Doses



•6 dose cohorts + 2 intermediate dose cohorts

PATIENTS ENROLLED	Total
TOTAL	59
Ovarian Cancer	46
Uterine Serous Carcinoma (USC)	8
Renal Cell Carcinoma (RCC)	3
Other Endometrial Cancer	2

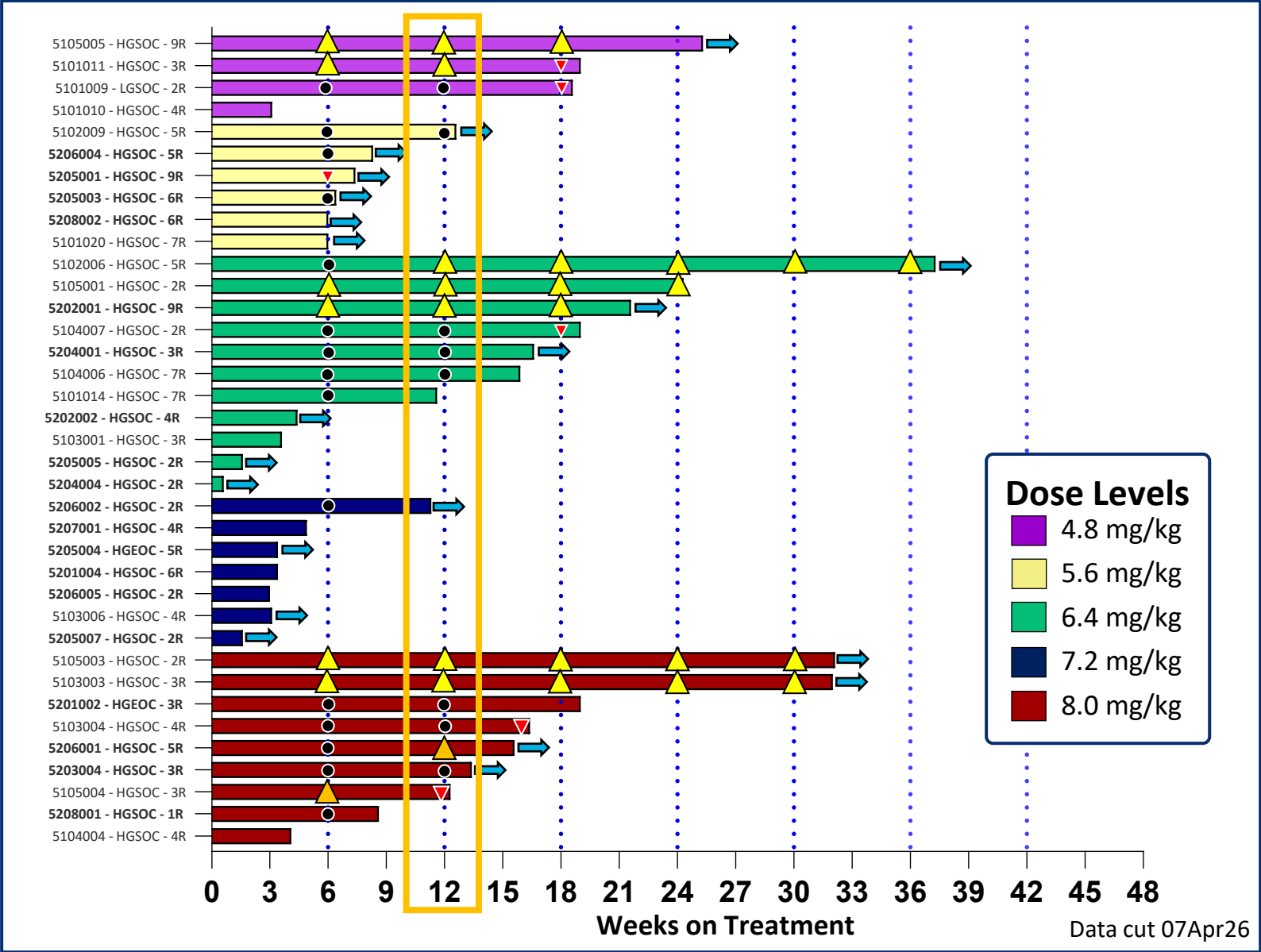
•Prior systemic anti-cancer regimens: Median 5 (1-12)

EC: endometrial cancer; HGSOc: high-grade serous ovarian cancer; HGEOC: high-grade endometroid cancer; LGSOC: low-grade serous ovarian cancer; RCC: renal cell carcinoma; USC: uterine serous carcinoma
cPR: confirmed partial response; uPR: unconfirmed partial response

ORR at 4.8 – 8.0 mg/kg: ≥ 12 Weeks and Best Response

Tumor type	Evaluable (n)	PRs (n)	ORR
Gynecologic Cancers (OC + USC)	20	11	55.0% (11/20)
Ovarian Cancer (OC)	17	9	52.9% (9/17)
Uterine Serous Carcinoma (USC)	3	2	66.7% (2/3)

Ovarian Cancer at Therapeutics Doses (4.8 – 8.0 mg/kg)



- n = 37 ovarian cancer patients
- Patients with at least ≥12 weeks follow-up

Evaluable	PR	ORR
n = 17	9	52.9%

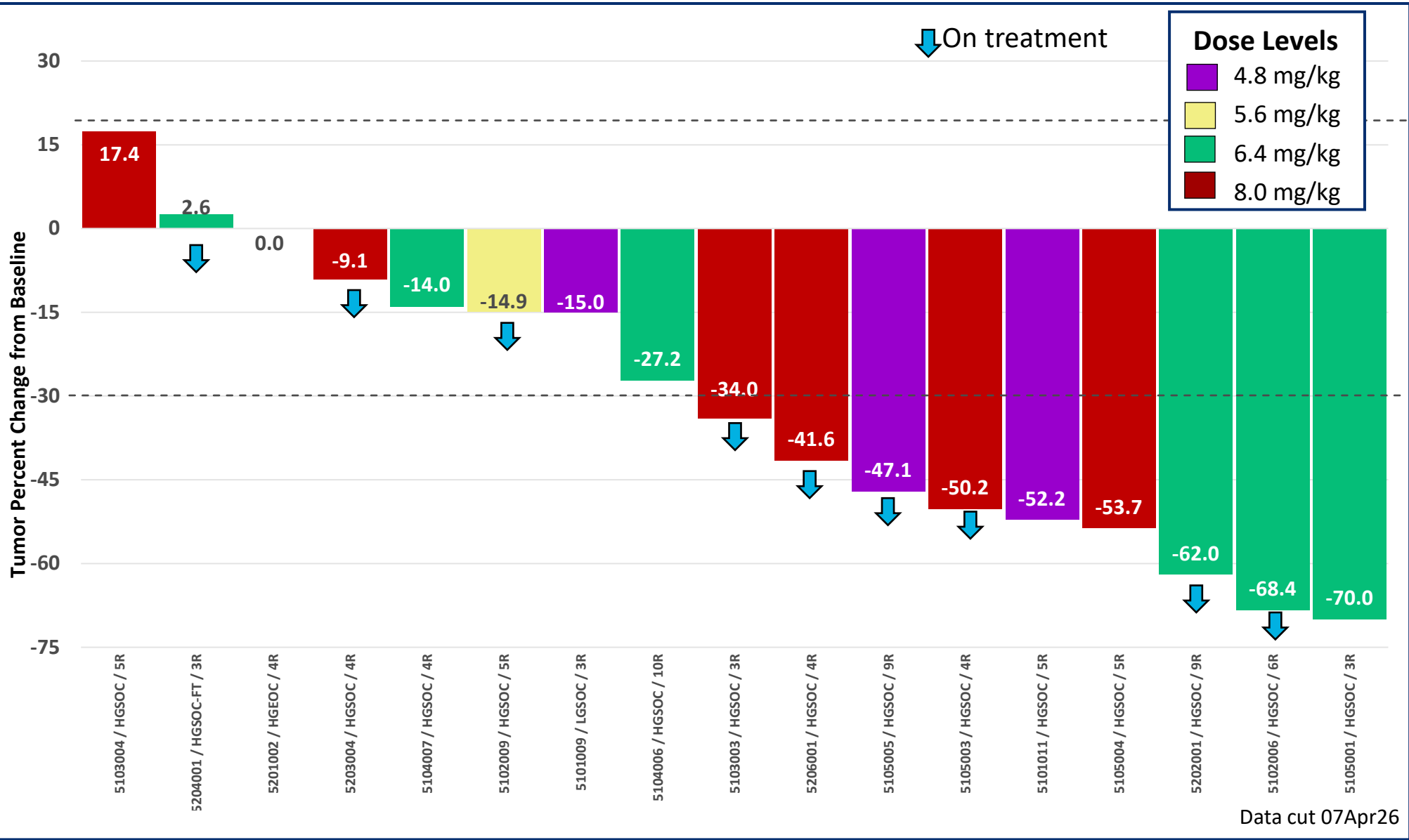
- Other: 1 PR 9.6 mg/kg

On treatment

cPR
uPR
SD
RECIST PD

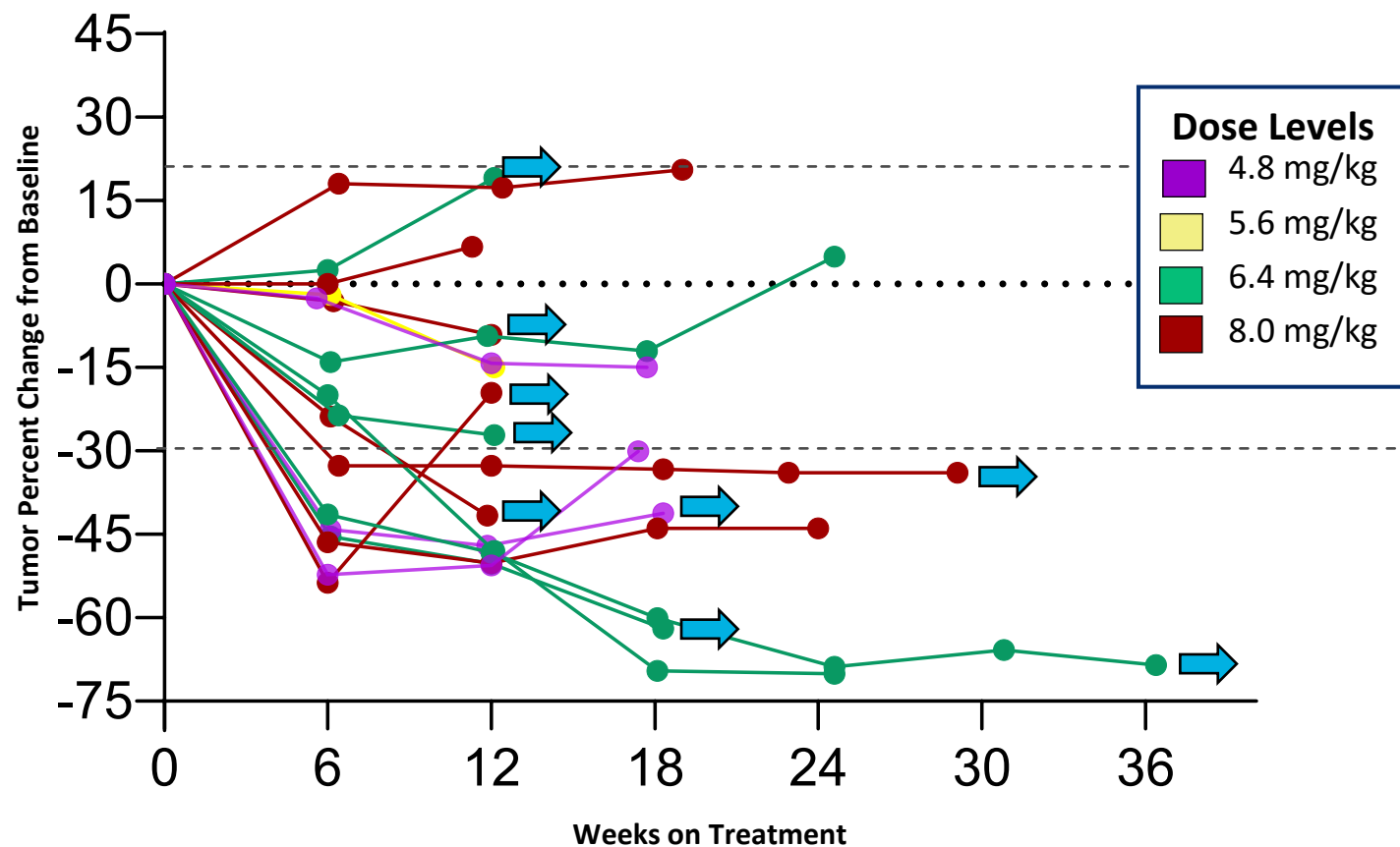
HGSOC: high-grade serous ovarian cancer; HGEOC: high-grade endometroid cancer; LGSOC: low-grade serous ovarian cancer
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Ovarian Cancer (4.8 – 8.0 mg/kg)



- Defined therapeutic range
- Greatest tumor shrinkage at 6.4 & 8.0 mg/kg
- Up to 70% tumor shrinkage

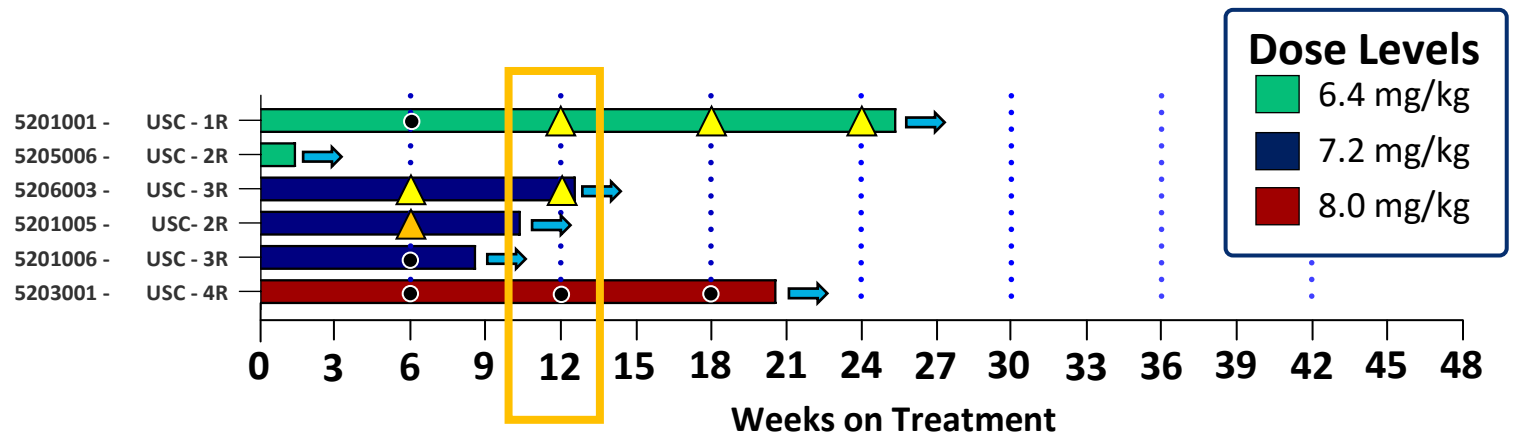
Ovarian Cancer (4.8 – 8.0 mg/kg)



Data cut 07Apr26

- Most patients (15/17) had tumor shrinkage
- Increasing tumor shrinkage with continued treatment
- The greatest tumor shrinkage and durability occurred at 6.4mg/kg

Uterine Serous Carcinoma (4.8 – 8.0 mg/kg)



- Rare and highly aggressive form of endometrial cancer
- Accounts for ~10% of uterine cancer, but causes ~40% of uterine cancer deaths
- Rapid progression and poor clinical outcomes
- Treated with platinum-based chemotherapy

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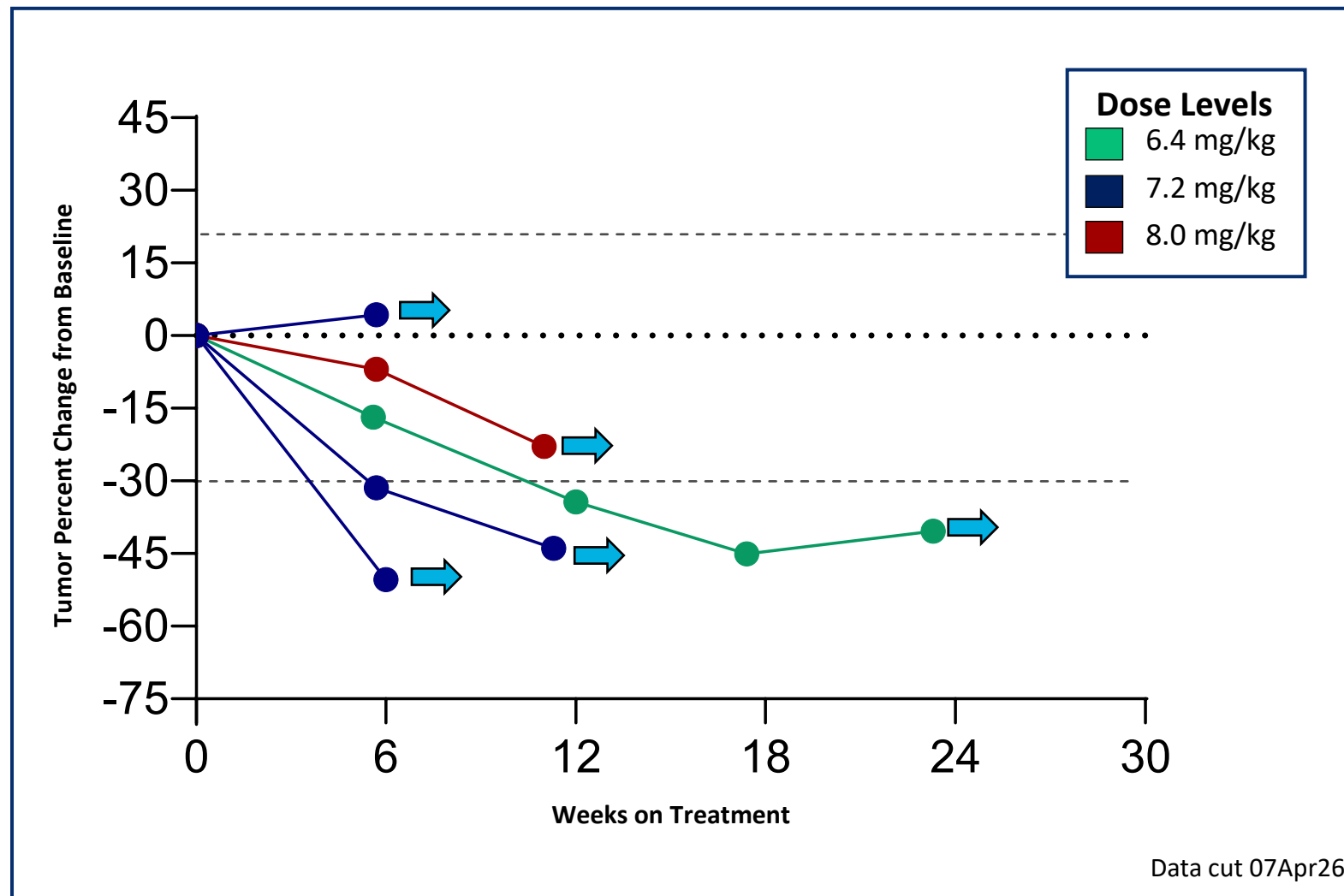
cPR: confirmed partial response; uPR: unconfirmed partial response

- n = 6 USC patients enrolled
- Patients with at least ≥12 weeks follow-up

Evaluable	PR	ORR
n = 3	2	66.7%

- Other:
 - 1 PR 1.6 mg/kg
 - 1 PR 7.2 mg/kg (has not reached 12 weeks)
- cPR
 uPR
 SD
 RECIST PD
 On treatment

Uterine Serous Carcinoma 4.8 – 8.0 mg/kg



Clinical Perspective



Udayan Guha MD, PhD

Chief Medical Officer,
NextCure



Beryl Manning-Geist, MD,

Assistant Professor, Gynecology
and Obstetrics, Emory University

Next Steps

Michael Richman

Chief Executive Officer

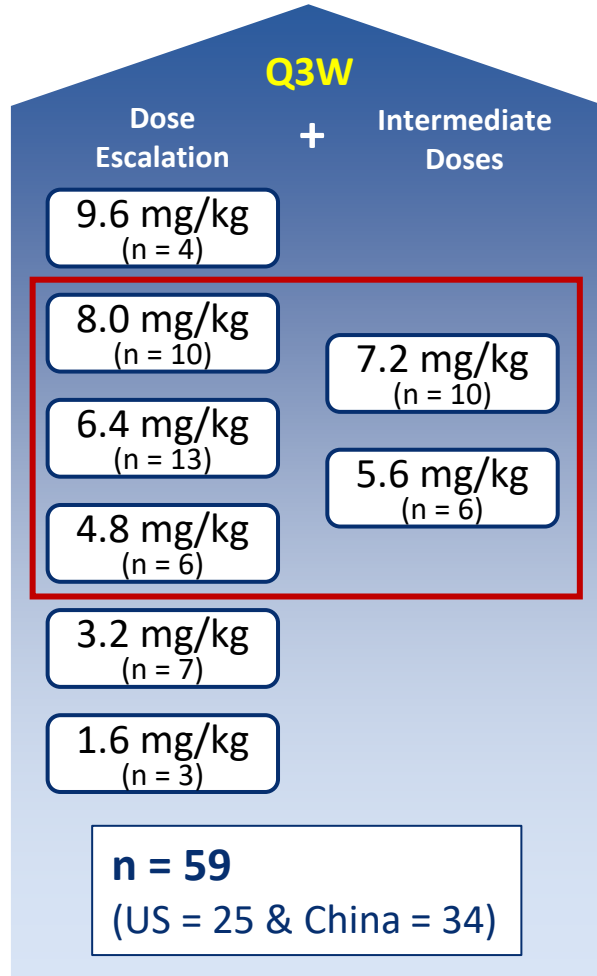
NextCure



SIM0505 Development Plan

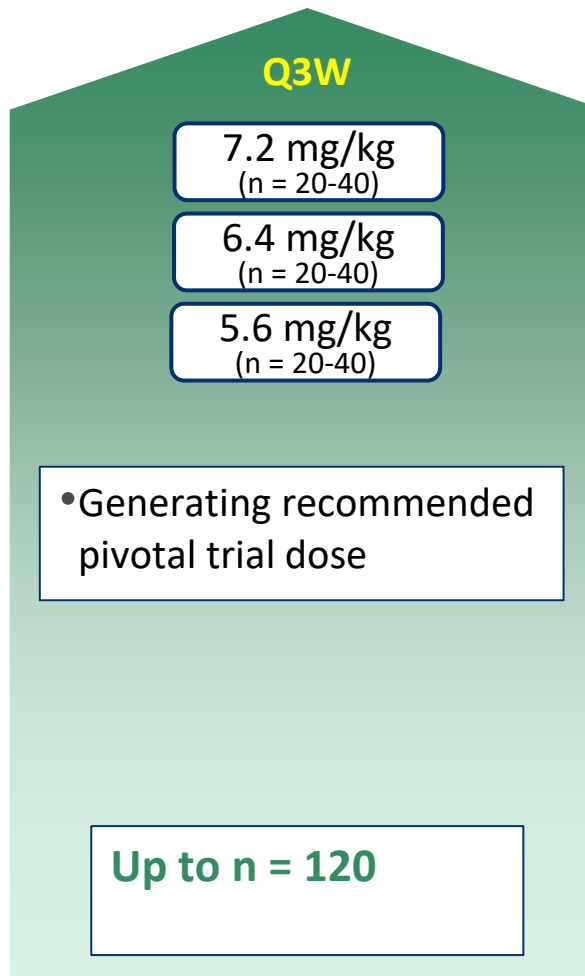
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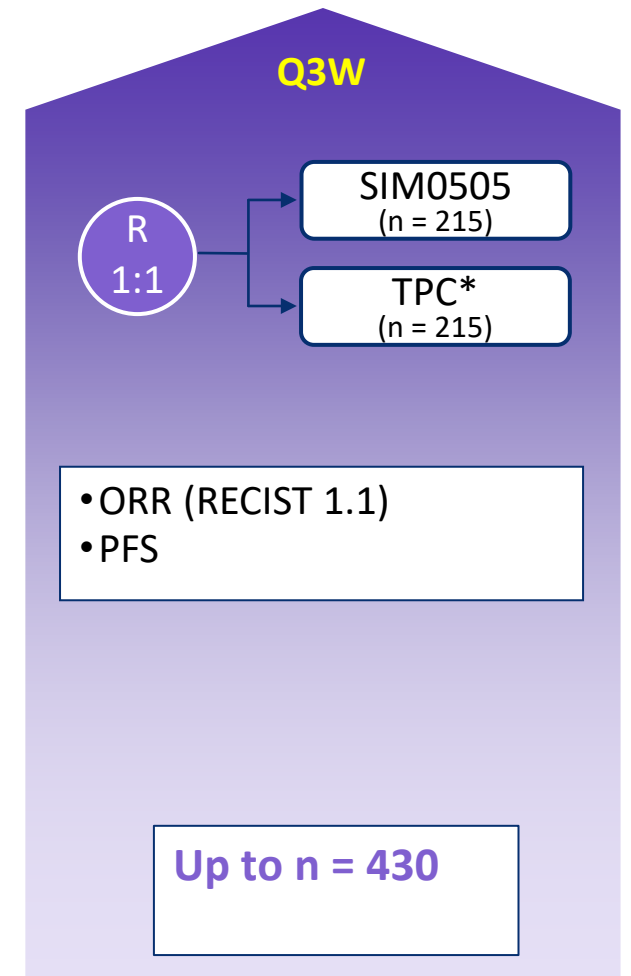
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Q&A



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Thank You!

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