

## UP-NEXT (GOG-3049/ENGOT-ov71-NSGO-CTU): A Study of Upifitamab Rilsodotin (UpRi), a NaPi2b-directed Antibody-Drug Conjugate (ADC) in Platinum-Sensitive Recurrent Ovarian Cancer



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### BACKGROUND

#### Unmet Medical Need in Platinum-Sensitive Recurrent High-Grade Serous **Ovarian Cancer (HGSOC)**

- Standard of care for patients with platinum-sensitive recurrent HGSOC consists of platinum-based doublet chemotherapy, with or without bevacizumab, followed by bevacizumab monotherapy or PARPi maintenance<sup>1</sup>
- Recent changes in the treatment landscape with the use of PARP inhibitors in patients with platinum-sensitive recurrent ovarian cancer, and more recently in frontline setting, have created a new unmet need for patients who exhaust these options earlier in their disease course, either because they take them in combination or sequentially<sup>2–4</sup>
- In addition, many patients are not appropriate candidates for these agents due to tolerability concerns, particularly in patients with comorbidities
- PARPi maintenance is not indicated for patients who achieve only stable disease after platinum therapy

#### NaPi2b Is a Sodium-Dependent Phosphate Transporter Broadly Expressed in Ovarian Cancer With Limited Expression in Healthy Tissues<sup>5</sup>



- It is believed that approximately two-thirds of patients with HGSOC have high NaPi2b expression based on an IHC tumor proportion score (TPS) of at least 75%6
- NaPi2b is a lineage antigen and not an oncogene; its expression remains consistent throughout the course of disease<sup>7</sup>

Upifitamab Rilsodotin (UpRi) – Investigational First-in-Class NaPi2b-targeting ADC With a Novel Scaffold-Linker-Pavload<sup>6–8</sup>



Antibody: Humanized monoclonal anti-SLC34A2 (NaPi2b) Linker: Fleximer polymer scaffold; cleavable ester linker stable in circulation

Payload: AF-HPA (DolaLock-controlled bystander effect); selectively toxic to rapidly dividing cells

Drug-to-Antibody Ratio (DAR): ~10

#### **METHODS**

#### Study Design and Eligibility

UP-NEXT is a global Phase 3, double-blind, randomized, placebo-controlled study of UpRi monotherapy maintenance in patients with NaPi2b-positive platinum-sensitive recurrent ovarian cancer



# ANNUAL GLOBAL MEETING

<sup>a</sup> HGSOC, including fallopian tube and primary peritoneal cancer. <sup>b</sup> Carboplatin or cisplatin ± paclitaxel, docetaxel, pegylated liposomal doxorubicin, or gemcitabine. <sup>c</sup> For SD, no increase in disease confirmed by central review of imaging and absence of CA-125 rise >15% in 7 days prior to first dose ADC, antibody-drug conjugate; AE, adverse event; AF-HPA, auristatin F-hydroxypropylamide; BICR, blinded independent central review; BRCA, BRCA DNA repair associated gene; BSA, body surface area; CA, cancer antigen; CR, complete response; DAR, drug-to-antibody ratio; ECOG, Eastern Cooperative Oncology Group; ENGOT, European Network of Gynaecological Oncological Trial groups; GOG, GOG Foundation; HGSOC, high-grade serous ovarian cancer; HR, hazard ratio; IHC, immunohistochemistry; IV, intravenous; NaPi2b, sodium-dependent phosphate transport protein 2B; NED, no evidence of disease; ORR, objective response rate; OS, overall survival; PARP, poly (ADP-ribose) polymerase; PARPi, PARP inhibitor; PD, progressive disease; PFS, progression-free survival; PR, partial response; PS, performance status; q4w, every 4 weeks; SLC34A2, solute carrier family 34 member 2 gene; SD, stable disease; TFS, tumor proportion score; UpRi, uplifitamab rilsodotin

#### CONCLUSIONS

- recurrent ovarian cancer

#### ACKNOWLEDGMENTS

study possible.

#### REFERENCES

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### ADDITIONAL INFORMATION

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Upifitamab rilsodotin (UpRi) is an investigational first-in-class NaPi2b-targeting ADC with a novel scaffold-linker-pavload that is designed with high DAR and a controlled bystander effect

UP-NEXT is a global Phase 3 study of UpRi monotherapy maintenance in patients with NaPi2b-positive platinum-sensitive

Primary endpoint is PFS by BICR. Secondary endpoints include PFS by investigator, ORR by investigator, OS, and safety

Trial is currently open for enrollment and is being conducted in collaboration with GOG (GOG-3049) and ENGOT (ENGOT-ov71-NSGO-CTU)

ClinicalTrials.gov registry: NCT05329545

We would like to thank the patients, their families, and the site staff for making this

This study is sponsored by Mersana Therapeutics, Inc. Editorial support for this poster was provided by BluPrint Oncology.



For more information on UP-NEXT, visit ClinicalTrials.gov page NCT05329545 via QR code provided or contact medicalinformation@mersana.com



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