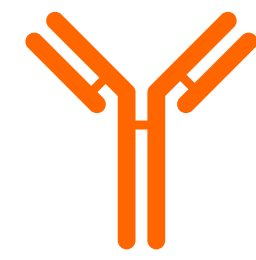


ENGOT-EN6/GOG-3031/NSGO-RUBY Part 2: a Phase 3, Randomized, Double-Blind, Study of Dostarlimab + Carboplatin-Paclitaxel Followed by Dostarlimab + Niraparib Versus Placebo + Carboplatin-Paclitaxel Followed by Placebo in Recurrent or Advanced Endometrial Cancer

Mansoor R. Mirza,¹ Robert L. Coleman,² Lars C. Hankaer,³ Brian Slomovitz,⁴ Giorgio Valabrega,⁵ Leslie DeMars,⁶ Monica Walker,⁶ Tao Duan,⁶ Matthew Powell⁷

¹Nordic Society of Gynaecological Oncology–Clinical Trial Unit (NSGO-CTU), Copenhagen, Denmark, and Department of Oncology, Rigshospitalet, Copenhagen University Hospital, Copenhagen, Denmark; ²Texas Oncology–The Woodlands, The Woodlands, TX, USA; ³Arbeitsgemeinschaft Gynäkologische Onkologie (AGO), University Hospital Schleswig-Holstein, Campus Lübeck, Lübeck, Germany; ⁴Herbert Wertheim College of Medicine, Florida International University, Miami, FL, USA; ⁵Candiolo Cancer Institute, Fondazione del Piemonte per l'Oncologia (FPO), Candiolo Cancer Institute, Istituto di Ricovero e Cura a Carattere Scientifico (IRCCS), Università di Torino, Candiolo, Italy; ⁶GlaxoSmithKline, Waltham, MA, USA; ⁷Washington University School of Medicine in St. Louis, St. Louis, MO, USA

Mechanism of Action



Dostarlimab

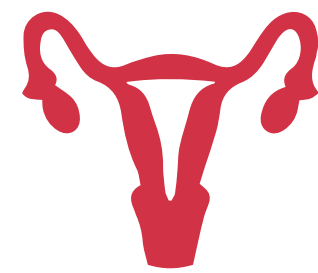
- Dostarlimab is a programmed death 1 (PD-1)-blocking antibody that binds to PD-1 and effectively blocks the interaction with the PD-1 ligands 1 and 2 (PD-L1 and PD-L2)
- Dostarlimab is approved as a monotherapy in adult patients with mismatch repair deficient (dMMR; US) or dMMR/microsatellite instability-high (dMMR/MSI-H; EU) recurrent or advanced endometrial cancer (EC) that has progressed on or after prior treatment with a platinum-containing regimen
- Dostarlimab approval was based on positive results from the phase 1 GARNET trial, which demonstrated the antitumor activity of dostarlimab in patients with dMMR/MSI-H endometrial cancer^{1,2}



Niraparib

- Niraparib is an orally available inhibitor of the poly(ADP-ribose) polymerase (PARP) enzymes PARP-1 and PARP-2, which play a role in DNA repair
- Niraparib is approved as maintenance therapy in the first-line and recurrent settings in patients with advanced epithelial ovarian, fallopian tube, or primary peritoneal cancer who are considered responsive to platinum-based chemotherapy

The RUBY Trial



- The RUBY trial is a 2-part global, randomized, double-blind, placebo-controlled phase 3 trial evaluating the efficacy and safety of dostarlimab, alone or in combination with niraparib maintenance treatment, in patients with recurrent or primary advanced EC (clinical trial number: NCT03981796)
- Advanced/recurrent EC is associated with poor outcomes and limited treatment options^{3,4}; RUBY part 2 is being conducted to see whether combining treatment approaches can improve outcomes in these patients

Part 1	<ul style="list-style-type: none"> Evaluate the efficacy and safety of dostarlimab in combination with carboplatin-paclitaxel, compared with carboplatin-paclitaxel alone Enrollment for part 1 is complete Expected primary readout is late 2021
Part 2	<ul style="list-style-type: none"> Evaluate the efficacy and safety of dostarlimab + carboplatin-paclitaxel followed by dostarlimab + niraparib compared with carboplatin-paclitaxel alone Enrollment for part 2 is ongoing Expected primary readout is mid 2023

- RUBY is part of an international collaboration of the European Network for Gynaecological Oncological Trial groups (ENGOT), Nordic Society of Gynecological Oncology Clinical Trial Unit (NSGO-CTU), and the GOG Foundation

Patients



- Patients with recurrent or primary advanced EC are eligible
 - All histologies (including carcinosarcoma) are eligible



Key inclusion criteria

Parts 1 and 2

- Female
- Aged ≥18 years
- Histologically or cytologically proven EC that is first recurrent or primary advanced (FIGO stage III or IV at diagnosis)
- Patient can provide a tumor sample for MMR status test
- ECOG score of 0 or 1
- Adequate organ function

Part 2 only

- Normal blood pressure or adequately treated and controlled hypertension
- Able to take medication orally



Key exclusion criteria

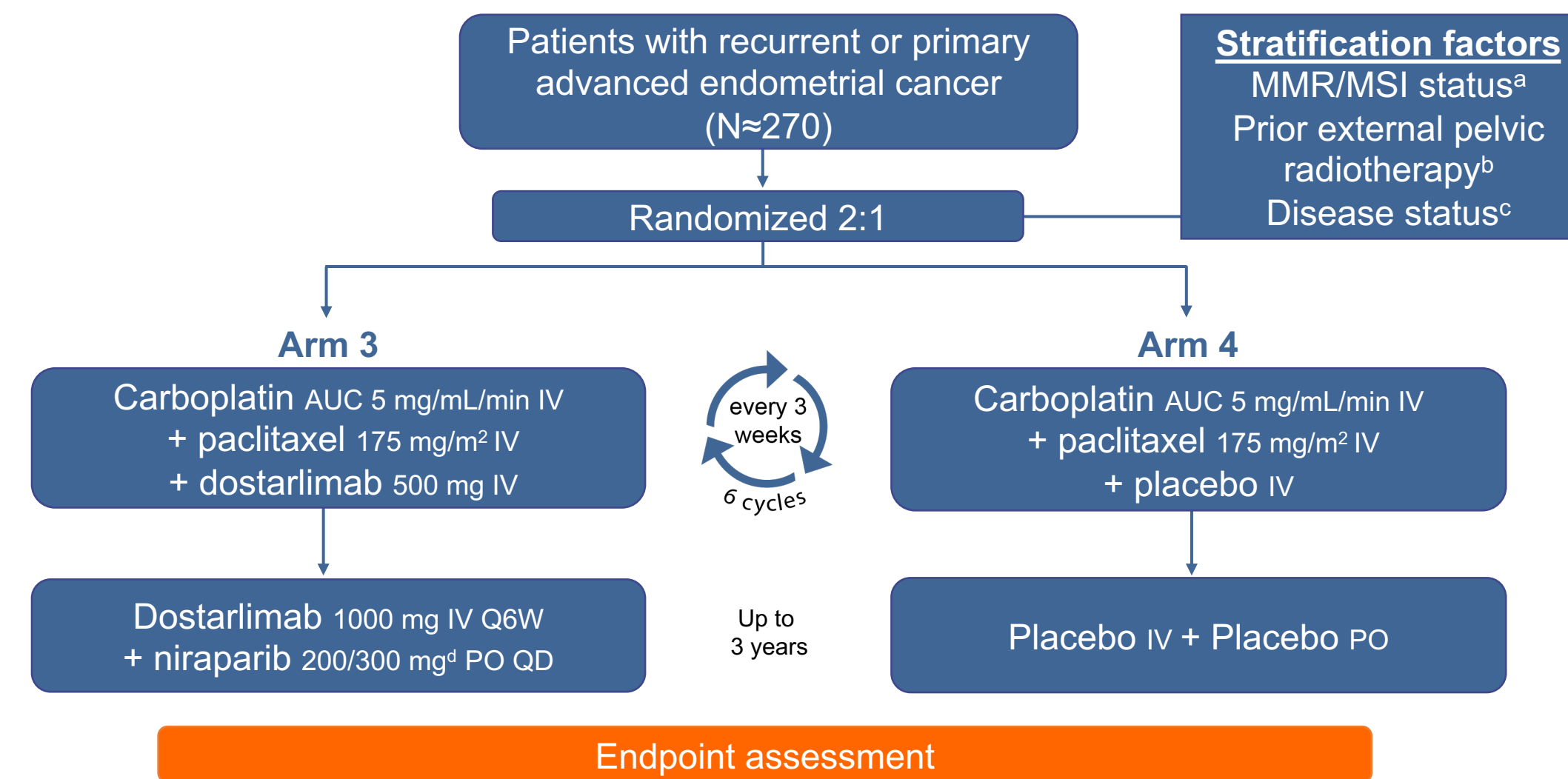
Parts 1 and 2

- Patients with primary advanced disease must not have received prior adjuvant or neoadjuvant chemotherapy
- Patients who recurred <6 months after completing chemotherapy >1 disease recurrence
- Prior therapy with an anti-PD-1, anti-PD-L1, or anti-PD-L2 agent
- Concomitant malignancies within the last 3 years
- Uncontrolled CNS metastases
- Immunocompromised/active autoimmune disease

Part 2 only

- Clinically significant cardiovascular disease
- Any known history or current diagnosis of MDS or AML
- At increased bleeding risk because of concurrent conditions
- Participation in part 1 of RUBY

Trial Design for RUBY Part 2



^aMMR/MSI status: dMMR/MSI-H or MMRp/MSS; ^bPrior external pelvic radiotherapy: yes or no; ^cDisease status: recurrent, primary stage III, or primary stage IV; ^dNiraparib dosing is 200 mg PO QD for patients with baseline BW <77 kg or PC <150,000/μL or 300 mg QD for patients with baseline BW ≥77 kg and PC ≥150,000/μL; ^ePFS-2 is defined as the time from randomization to objective tumor progression on next-line treatment or death from any cause, whichever is earlier. AUC, area under the curve; BW, body weight; dMMR, mismatch repair deficient; IV, intravenously; MMR, mismatch repair; MMRp, mismatch repair proficient; MSI, microsatellite instability; MSI-H, microsatellite instability high; MSS, microsatellite stable; PC, platelet count; PFS, progression-free survival; PO, by mouth; Q3W, every 3 weeks; Q6W, every 6 weeks; QD, once daily.

Primary endpoint

- Compare PFS evaluated by blinded independent review committee per Response Evaluation Criteria in Solid Tumors (RECIST) v1.1

Secondary endpoints

- PFS by investigator assessment
- Overall survival
- Objective response rate
- Duration of response
- Disease control rate
- PFS-2^e
- Patient-reported outcomes for quality of life assessment

Safety assessment

- All adverse events will be assessed for intensity according to Common Terminology Criteria for Adverse Events (CTCAE) v4.03

Enrolling Countries

ENGOT									
Belarus (CEEEOG)	Denmark (NSGO-CTU)	Greece (HeGOG)	Italy (MITO)	Poland (PGOG)	Turkey (TRSGO)	Canada			
Belgium (BGOG)	Finland (NSGO-CTU)	Hungary (CEEEOG)	Netherlands (DGOG)	Spain (GEICO)	Ukraine (CEEEOG)	United States (GOG Foundation)			
Czech Republic (CEEEOG)	Germany (AGO)	Israel (ISGO)	Norway (NSGO-CTU)	Sweden (NSGO-CTU)	United Kingdom (NCRI)				

Summary

- RUBY is a randomized, double-blind, placebo-controlled, multicenter phase 3 study of dostarlimab in patients with recurrent or primary advanced EC
- Part 2 of RUBY is evaluating the efficacy and safety of dostarlimab + carboplatin-paclitaxel followed by dostarlimab + niraparib
- Enrollment is ongoing
- Expected primary readout is mid 2023

Acknowledgments

Writing and editorial support, funded by GlaxoSmithKline (Waltham, MA, USA) and coordinated by Heather Ostendorf-Bach, PhD, of GlaxoSmithKline, were provided by Betsy C. Taylor, PhD, and Jennifer Robertson, PhD, of Ashfield MedComms, an Ashfield Health company (Middletown, CT, USA)

Conflicts of Interest

Dr. Mirza reports personal fees and other from Karyopharm Therapeutics; personal fees and other from Roche and Sera Prognostics; grants and personal fees from AstraZeneca, BioCad, Boehringer Ingelheim, Clovis Oncology, Genmab, Genes Therapeutics, GlaxoSmithKline, Merck, Oncology Venture, Pfizer, Sotio, Seattle Genetics, Sera Prognostics, Takeda Pharmaceutical Company Ltd, and ZaiLabs. Dr. Coleman reports consulting fees from AbbVie, Arrive, AstraZeneca, Clovis, Eisai, Janssen, Merck, Novocure, OncoMed/Mateo, Oncoquest, Oncosec, Roche/Genentech, and Tesaro/GlaxoSmithKline; grants from AbbVie, AstraZeneca, Clovis, Genmab, Janssen, Merck, Roche/Genentech, and V-Foundation; and honoraria/reimbursement from Arrive, AstraZeneca, Clovis, Eisai, Janssen, Merck, Novocure, OncoMed/Mateo, Oncoquest, Roche/Genentech, and Tesaro/GlaxoSmithKline. Dr. Hankaer reports consulting/advisory fees from AstraZeneca, Clovis Oncology, Roche, and Tesaro. Dr. Slomovitz reports consulting/advisory fees from GlaxoSmithKline. Dr. Valabrega reports consulting/advisory fees from Amgen, AstraZeneca, Clovis Oncology, GlaxoSmithKline, PharmaMar, Roche, and Tesaro. Dr. Powell reports consulting/advisory fees from AstraZeneca, Clovis Oncology, Roche/Genentech, and Tesaro; and speakers' bureau at AstraZeneca, Clovis Oncology, Genentech/Roche, and Tesaro. Drs. DeMars and Duan and Monica Walker are employees of GlaxoSmithKline.

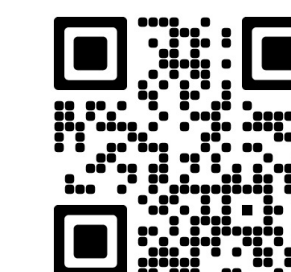
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Presented at the European Society for Medical Oncology (ESMO) Virtual Congress, September 16–21, 2021