HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use LYNPARZA safely and effectively. See full prescribing information for LYNPARZA.

LYNPARZA®	(olaparib)	tablets,	for oral	use
Initial U.S.	Approval: 2	2014		

RECENT MAJOR CHANGES	
Warnings and Precautions (5.2, 5.4)	7/2025
INDICATIONS AND USAGE	

Lynparza is a poly (ADP-ribose) polymerase (PARP) inhibitor indicated:

Ovarian cancer

- for the maintenance treatment of adult patients with deleterious or suspected deleterious germline or somatic BRCA-mutated advanced epithelial ovarian, fallopian tube or primary peritoneal cancer who are in complete or partial response to first-line platinum-based chemotherapy. Select patients for therapy based on an FDA-approved companion diagnostic for Lynparza. (1.1, 2.1)
- in combination with bevacizumab for the maintenance treatment of adult patients
 with advanced epithelial ovarian, fallopian tube or primary peritoneal cancer who
 are in complete or partial response to first-line platinum-based chemotherapy
 and whose cancer is associated with homologous recombination deficiency
 (HRD)-positive status defined by either:
 - a deleterious or suspected deleterious BRCA mutation, and/or
 - · genomic instability.

Select patients for therapy based on an FDA-approved companion diagnostic for Lynparza. $(1.2,\,2.1)$

 for the maintenance treatment of adult patients with deleterious or suspected deleterious germline or somatic BRCA-mutated recurrent epithelial ovarian, fallopian tube or primary peritoneal cancer, who are in complete or partial response to platinum-based chemotherapy. Select patients for therapy based on an FDA-approved companion diagnostic for Lynparza. (1.3, 2.1)

Breast cancer

- for the adjuvant treatment of adult patients with deleterious or suspected deleterious gBRCAm human epidermal growth factor receptor 2 (HER2)-negative high risk early breast cancer who have been treated with neoadjuvant or adjuvant chemotherapy. Select patients for therapy based on an FDA-approved companion diagnostic for Lynparza. (1.4, 2.1)
- for the treatment of adult patients with deleterious or suspected deleterious gBRCAm, HER2-negative metastatic breast cancer who have been treated with chemotherapy in the neoadjuvant, adjuvant or metastatic setting. Patients with hormone receptor (HR)-positive breast cancer should have been treated with a prior endocrine therapy or be considered inappropriate for endocrine therapy. Select patients for therapy based on an FDA-approved companion diagnostic for Lynparza. (1.5, 2.1)

Pancreatic cancer

 for the maintenance treatment of adult patients with deleterious or suspected deleterious gBRCAm metastatic pancreatic adenocarcinoma whose disease has not progressed on at least 16 weeks of a first-line platinum-based chemotherapy regimen.
 Select patients for therapy based on an FDA-approved companion diagnostic for Lynparza. (1.6, 2.1)

Prostate cancer

- for the treatment of adult patients with deleterious or suspected deleterious germline
 or somatic homologous recombination repair (HRR) gene-mutated metastatic
 castration-resistant prostate cancer (mCRPC) who have progressed following prior
 treatment with enzalutamide or abiraterone. Select patients for therapy based on an
 FDA-approved companion diagnostic for Lynparza. (1.7, 2.1)
- in combination with abiraterone and prednisone or prednisolone for the treatment
 of adult patients with deleterious or suspected deleterious BRCA-mutated (BRCAm)
 metastatic castration-resistant prostate cancer (mCRPC). Select patients for therapy
 based on an FDA-approved companion diagnostic for Lynparza. (1.8, 2.1)

----- DOSAGE AND ADMINISTRATION -----

- Recommended dosage is 300 mg taken orally twice daily with or without food. See Full Prescribing Information for the recommended duration. (2.2)
- Patients receiving Lynparza for mCRPC should also receive a gonadotropin-releasing hormone (GnRH) analog concurrently or should have had bilateral orchiectomy. (2.2)
- For moderate renal impairment (CLcr 31-50 mL/min), reduce Lynparza dosage to 200 mg orally twice daily. (2.5)

	DOSAGE FOR	RMS AND STRENGTHS
Tablets:	150 mg, 100 mg (3)	

----- CONTRAINDICATIONS -----

None. (4

------ WARNINGS AND PRECAUTIONS -------

- Myelodysplastic Syndrome/Acute Myeloid Leukemia (MDS/AML): Occurred in approximately 1.2% of patients with various BRCAm, gBRCAm, HRR gene-mutated or HRD-positive cancers exposed to Lynparza and the majority of events had a fatal outcome. Monitor patients for hematological toxicity at baseline and monthly thereafter. Discontinue if MDS/AML is confirmed. (5.1)
- Pneumonitis: Occurred in 1.0% of patients exposed to Lynparza, and some cases were fatal. Interrupt treatment if pneumonitis is suspected. Discontinue if pneumonitis is confirmed. (5.2)
- Venous thromboembolism (VTE), including severe or fatal pulmonary embolism (PE), occurred in patients treated with Lynparza. VTE occurred in 8% of patients with mCRPC. Monitor patients for signs and symptoms of VTE and PE and treat as medically appropriate. (5.3)
- Hepatotoxicity, Including Drug-induced liver injury (DILI): Occurred in patients treated with Lynparza. If DILI is suspected, interrupt Lynparza. If DILI is confirmed, discontinue treatment. (5.4)
- Embryo-Fetal Toxicity: Can cause fetal harm. Advise of the potential risk to a fetus and to use effective contraception. (5.5, 8.1, 8.3)

------ ADVERSE REACTIONS ------

Most common adverse reactions (≥10%):

- as a single agent were nausea, fatigue (including asthenia), anemia, vomiting, diarrhea, decreased appetite, headache, dysgeusia, cough, neutropenia, dyspnea, dizziness, dyspepsia, leukopenia, and thrombocytopenia. (6.1)
- in combination with bevacizumab were nausea, fatigue (including asthenia), anemia, lymphopenia, vomiting, diarrhea, neutropenia, leukopenia, urinary tract infection, and headache. (6.1)
- in combination with abiraterone and prednisone or prednisolone were anemia, fatigue, nausea, diarrhea, decreased appetite, lymphopenia, dizziness, and abdominal pain. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact AstraZeneca at 1-800-236-9933 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

------ DRUG INTERACTIONS ------

- Strong or moderate CYP3A inhibitors: Avoid concomitant use. If concomitant use cannot be avoided, reduce Lynparza dosage. (2.4, 7.2, 12.3)
- Strong or moderate CYP3A inducers: Avoid concomitant use. (7.2, 12.3)

------ USE IN SPECIFIC POPULATIONS ------

Lactation: Advise women not to breastfeed. (8.2)

See 17 for PATIENT COUNSELING INFORMATION and Medication Guide.

Revised: 7/2025

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FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

1.1 First-Line Maintenance Treatment of BRCA-mutated Advanced Ovarian Cancer

Lynparza is indicated for the maintenance treatment of adult patients with deleterious or suspected deleterious germline or somatic *BRCA*-mutated advanced epithelial ovarian, fallopian tube or primary peritoneal cancer who are in complete or partial response to first-line platinum-based chemotherapy. Select patients for therapy based on an FDA-approved companion diagnostic for Lynparza [see Dosage and Administration (2.1)].

1.2 First-line Maintenance Treatment of HRD-positive Advanced Ovarian Cancer in Combination with Bevacizumab

Lynparza is indicated in combination with bevacizumab for the maintenance treatment of adult patients with advanced epithelial ovarian, fallopian tube or primary peritoneal cancer who are in complete or partial response to first-line platinum-based chemotherapy and whose cancer is associated with homologous recombination deficiency (HRD)-positive status defined by either:

- · a deleterious or suspected deleterious BRCA mutation, and/or
- genomic instability.

Select patients for therapy based on an FDA-approved companion diagnostic for Lynparza [see Dosage and Administration (2.1)].

1.3 Maintenance Treatment of BRCA-mutated Recurrent Ovarian Cancer

Lynparza is indicated for the maintenance treatment of adult patients with deleterious or suspected deleterious germline or somatic *BRCA*-mutated recurrent epithelial ovarian, fallopian tube or primary peritoneal cancer, who are in complete or partial response to platinum-based chemotherapy. Select patients for therapy based on an FDA-approved companion diagnostic for Lynparza [see Dosage and Administration (2.1)].

1.4 Adjuvant Treatment of Germline *BRCA*-mutated HER2-negative High Risk Early Breast Cancer

Lynparza is indicated for the adjuvant treatment of adult patients with deleterious or suspected deleterious gBRCAm human epidermal growth factor receptor 2 (HER2)-negative high risk early breast cancer who have been treated with neoadjuvant or adjuvant chemotherapy. Select patients for therapy based on an FDA-approved companion diagnostic for Lynparza [see Dosage and Administration (2.1)].

1.5 Germline BRCA-mutated HER2-negative Metastatic Breast Cancer

Lynparza is indicated for the treatment of adult patients with deleterious or suspected deleterious gBRCAm, HER2-negative metastatic breast cancer, who have been treated with chemotherapy in the neoadjuvant, adjuvant, or metastatic setting. Patients with hormone receptor (HR)-positive breast cancer should have been treated with a prior endocrine therapy or be considered inappropriate for endocrine therapy. Select patients for therapy based on an FDA-approved companion diagnostic for Lynparza [see Dosage and Administration (2.1)].

1.6 First-Line Maintenance Treatment of Germline *BRCA*-mutated Metastatic Pancreatic Adenocarcinoma

Lynparza is indicated for the maintenance treatment of adult patients with deleterious or suspected deleterious gBRCAm metastatic pancreatic adenocarcinoma whose disease has not progressed on at least 16 weeks of a first-line platinum-based chemotherapy regimen. Select patients for therapy based on an FDA-approved companion diagnostic for Lynparza [see Dosage and Administration (2.1)].

1.7 HRR Gene-mutated Metastatic Castration-Resistant Prostate Cancer

Lynparza is indicated for the treatment of adult patients with deleterious or suspected deleterious germline or somatic homologous recombination repair (HRR) gene-mutated metastatic castration-resistant prostate cancer (mCRPC) who have progressed following prior treatment with enzalutamide or abiraterone. Select patients for therapy based on an FDA-approved companion diagnostic for Lynparza [see Dosage and Administration (2.1)].

1.8 Treatment of BRCA-mutated Metastatic Castration-Resistant Prostate Cancer in Combination with Abiraterone and Prednisone or Prednisolone

Lynparza is indicated in combination with abiraterone and prednisone or prednisolone for the treatment of adult patients with deleterious or suspected deleterious *BRCA*-mutated (*BRCAm*) metastatic castration-resistant prostate cancer (mCRPC). Select patients for therapy based on an FDA-approved companion diagnostic for Lynparza [see Dosage and Administration (2.1)].

2 DOSAGE AND ADMINISTRATION

2.1 Patient Selection

Information on FDA-approved tests for the detection of genetic mutations is available at http://www.fda.gov/companiondiagnostics.

Select patients for treatment with Lynparza based on the presence of deleterious or suspected deleterious HRR gene mutations, including *BRCA* mutations, or genomic instability based on the indication, biomarker, and sample type (Table 1).

Table 1 Biomarker Testing for Patient Selection*

Indication	Biomarker	S	Sample type		
		Tumor	Blood	Plasma (ctDNA)	
First-line maintenance treatment of germline or somatic <i>BRCA</i> m advanced ovarian cancer	<i>BRCA1</i> m, <i>BRCA2</i> m	Х	Х		
First-line maintenance treatment of HRD-positive advanced ovarian cancer in combination with bevacizumab	BRCA1m, BRCA2m and/or genomic instability	Х			
Maintenance treatment of germline or somatic <i>BRCA</i> m recurrent ovarian cancer	<i>BRCA1</i> m, <i>BRCA2</i> m	х	Х		
Adjuvant treatment of g <i>BRCA</i> m HER2-negative high risk early breast cancer	g <i>BRCA1</i> m, g <i>BRCA2</i> m		Х		
g <i>BRCA</i> m HER2-negative metastatic breast cancer	g <i>BRCA1</i> m, g <i>BRCA2</i> m		Х		
First-line maintenance treatment of germline <i>BRCA</i> -mutated metastatic pancreatic adenocarcinoma	g <i>BRCA1</i> m, g <i>BRCA2</i> m		Х		
Germline or somatic HRR gene-mutated metastatic castration-resistant prostate cancer	ATMm, BRCA1m, BRCA2m, BARD1m, BRIP1m, CDK12m, CHEK1m, CHEK2m, FANCLm, PALB2m, RAD51Bm, RAD51Cm, RAD51Dm, RAD54Lm	Х			
prostate sames.	g <i>BRCA1</i> m, g <i>BRCA2</i> m		Χ		
	ATMm, BRCA1m, BRCA2m			χ	
BRCA-mutated metastatic castration-resistant prostate cancer in combination with abiraterone and prednisone or prednisolone	<i>BRCA1</i> m, <i>BRCA2</i> m	Х	Х	Х	

^{*} Where testing fails or tissue sample is unavailable/insufficient, or when germline testing is negative, consider using an alternative test, if available.

2.2 Recommended Dosage

The recommended dosage of Lynparza is 300 mg taken orally twice daily, with or without food.

If a patient misses a dose of Lynparza, instruct patient to take their next dose at its scheduled time. Instruct patients to swallow tablets whole. Do not chew, crush, dissolve, or divide tablet.

First-Line Maintenance Treatment of BRCA-mutated Advanced Ovarian Cancer

Continue treatment until disease progression, unacceptable toxicity, or completion of 2 years of treatment. Patients with a complete response (no radiological evidence of disease) at 2 years should stop treatment. Patients with evidence of disease at 2 years, who in the opinion of the treating healthcare provider can derive further benefit from continuous treatment, can be treated beyond 2 years.

<u>First-Line Maintenance Treatment of HRD-positive Advanced Ovarian Cancer in Combination with Bevacizumab</u>

Continue Lynparza treatment until disease progression, unacceptable toxicity, or completion of 2 years of treatment. Patients with a complete response (no radiological evidence of disease) at 2 years should stop treatment. Patients with evidence of disease at 2 years, who in the opinion of the treating healthcare provider can derive further benefit from continuous Lynparza treatment, can be treated beyond 2 years.

When used with Lynparza, the recommended dose of bevacizumab is 15 mg/kg every three weeks. Bevacizumab should be given for a total of 15 months including the period given with chemotherapy and given as maintenance. Refer to the Prescribing Information for bevacizumab when used in combination with Lynparza for more information.

Adjuvant Treatment of Germline BRCA-mutated HER2-negative High Risk Early Breast Cancer

Continue treatment for a total of 1 year, or until disease recurrence, or unacceptable toxicity, whichever occurs first. Patients receiving Lynparza for hormone receptor positive HER2-negative breast cancer should continue concurrent treatment with endocrine therapy as per current clinical practice guidelines.

Germline or Somatic BRCA-mutated Recurrent Ovarian Cancer, Germline BRCA-mutated HER2-negative Metastatic Breast Cancer, Germline BRCA-mutated Metastatic Pancreatic Adenocarcinoma, and HRR Gene-mutated Metastatic Castration-Resistant Prostate Cancer

Continue treatment until disease progression or unacceptable toxicity for:

- Maintenance treatment of germline or somatic BRCA-mutated recurrent ovarian cancer
- Germline BRCA-mutated HER-2 negative metastatic breast cancer.
- First-line maintenance treatment of germline BRCA-mutated metastatic pancreatic adenocarcinoma
- HRR gene-mutated metastatic castration-resistant prostate cancer.

BRCA-mutated Metastatic Castration-Resistant Prostate Cancer in Combination with Abiraterone and Prednisone or Prednisolone

Continue treatment until disease progression or unacceptable toxicity.

When used with Lynparza, the recommended dose of abiraterone is 1000 mg taken orally once daily. Abiraterone should be given in combination with prednisone or prednisolone 5 mg orally twice daily. Refer to the Prescribing Information for abiraterone for dosing information.

Patients with mCRPC should also receive a gonadotropin-releasing hormone (GnRH) analog concurrently or should have had bilateral orchiectomy.

2.3 Dosage Modifications for Adverse Reactions

To manage adverse reactions, consider interruption of treatment or dose reduction. The recommended dose reduction is 250 mg taken twice daily.

If a further dose reduction is required, then reduce to 200 mg taken twice daily.

2.4 Dosage Modifications for Concomitant Use with Strong or Moderate CYP3A Inhibitors

Avoid concomitant use of strong or moderate CYP3A inhibitors with Lynparza.

If concomitant use cannot be avoided, reduce Lynparza dosage to:

- 100 mg twice daily when used concomitantly with a strong CYP3A inhibitor.
- 150 mg twice daily when used concomitantly with a moderate CYP3A inhibitor.

After the inhibitor has been discontinued for 3 to 5 elimination half-lives, resume the Lynparza dose taken prior to initiating the CYP3A inhibitor [see Drug Interactions (7.2) and Clinical Pharmacology (12.3)].

2.5 Dosage Modifications for Renal Impairment

Moderate Renal Impairment

In patients with moderate renal impairment (CLcr 31-50 mL/min), reduce the Lynparza dosage to 200 mg orally twice daily [see Use in Specific Populations (8.6) and Clinical Pharmacology (12.3)].

3 DOSAGE FORMS AND STRENGTHS

Tablets:

- 150 mg: green to green/grey, oval, bi-convex, film-coated, with debossment 'OP150' on one side and plain on the reverse side.
- 100 mg: yellow to dark yellow, oval, bi-convex, film-coated, with debossment 'OP100' on one side and plain on the reverse side.

4 CONTRAINDICATIONS

None

5 WARNINGS AND PRECAUTIONS

5.1 Myelodysplastic Syndrome/Acute Myeloid Leukemia

Myelodysplastic syndrome (MDS)/Acute Myeloid Leukemia (AML) has occurred in patients treated with Lynparza and some cases were fatal.

In clinical studies, among 2219 patients with various *BRCA*m, g*BRCA*m, HRR genemutated or HRD-positive cancers who received Lynparza as a single agent or as part of combination regimen, consistent with approved indications, the cumulative incidence of MDS/AML was approximately 1.2% (26/2219) [see Adverse Reactions (6.1)]. Of these, 54% (14/26) had a fatal outcome. The median duration of therapy with Lynparza in patients who developed MDS/AML was approximately 2 years (range: < 6 months to > 4 years). All of these patients had received previous chemotherapy with platinum agents and/or other DNA damaging agents including radiotherapy.

In SOLO1, patients with newly diagnosed advanced *BRCA*m ovarian cancer, the incidence of MDS/AML was 1.9% (5/260) in patients who received Lynparza and 0.8% (1/130) in patients who received placebo based on an updated analysis. In PAOLA-1, of patients with newly diagnosed advanced ovarian cancer with HRD-positive status, the incidence of MDS/AML was 1.6% (4/255) in patients who received Lynparza and 2.3% (3/131) in the control arm.

In SOLO2, patients with *BRCA*m platinum-sensitive relapsed ovarian cancer, the incidence of MDS/AML was 8% (15/195) in patients who received Lynparza and 4% (4/99) in patients who received placebo. The duration of Lynparza treatment prior to the diagnosis of MDS/AML ranged from 0.6 years to 4.5 years.

Do not start Lynparza until patients have recovered from hematological toxicity caused by previous chemotherapy (≤ Grade 1). Monitor complete blood count for cytopenia at baseline and monthly thereafter for clinically significant changes during treatment. For prolonged hematological toxicities, interrupt Lynparza and monitor blood counts weekly until recovery. If the levels have not recovered to Grade 1 or less after 4 weeks, refer the patient to a hematologist for further investigations, including bone marrow analysis and blood sample for cytogenetics. If MDS/AML is confirmed, discontinue Lynparza.

5.2 Pneumonitis

Pneumonitis, including severe and fatal cases, has occurred in patients treated with Lynparza.

In clinical studies, among patients who received Lynparza as a single agent or as part of a combination regimen [see Adverse Reactions (6.1)], the incidence of pneumonitis, including fatal cases, was 1.0% (29/2851).

If patients present with new or worsening respiratory symptoms such as dyspnea, cough and fever, or a radiological abnormality occurs, interrupt Lynparza treatment and promptly assess the source of the symptoms. If pneumonitis is confirmed, discontinue Lynparza treatment and treat the patient appropriately.

5.3 Venous Thromboembolism

Venous thromboembolism (VTE), including severe or fatal pulmonary embolism (PE), occurred in patients treated with Lynparza [see Adverse Reactions (6.1)].

In the combined data of two randomized, placebo-controlled clinical studies (PROfound and PROpel) in patients with metastatic castration-resistant prostate cancer (N=1180), VTE occurred in 8% of patients who received Lynparza, including pulmonary embolism in 6%. In the control arms, VTE occurred in 2.5% including pulmonary embolism in 1.5%.

Monitor patients for clinical signs and symptoms of venous thrombosis and pulmonary embolism and treat as medically appropriate, which may include long-term anticoagulation as clinically indicated.

5.4 Hepatotoxicity, Including Drug-Induced Liver Injury

Hepatotoxicity, including severe and potentially fatal cases of drug-induced liver injury (DILI), has occurred in patients treated with Lynparza [see Adverse Reactions (6.2)].

Evaluate bilirubin and transaminases at baseline and throughout treatment with Lynparza. For patients who develop abnormal liver tests after Lynparza, monitor more frequently for liver test abnormalities and clinical signs and symptoms of hepatic toxicity.

If DILI is suspected, withhold Lynparza. Upon confirmation of DILI, discontinue Lynparza.

5.5 Embryo-Fetal Toxicity

Lynparza can cause fetal harm when administered to a pregnant woman based on its mechanism of action and findings in animals. In an animal reproduction study, administration of olaparib to pregnant rats during the period of organogenesis caused teratogenicity and embryo-fetal toxicity at exposures below those in patients receiving the recommended human dose of 300 mg twice daily. Apprise pregnant women of the potential hazard to a fetus and the potential risk for loss of the pregnancy. Advise females of reproductive potential to use effective contraception during treatment and for 6 months following the last dose of Lynparza. Based on findings from genetic toxicity and animal reproduction studies, advise male patients with female partners of reproductive potential or who are pregnant to use effective contraception during treatment and for 3 months following the last dose of Lynparza [see Use in Specific Populations (8.1, 8.3)].

6 ADVERSE REACTIONS

The following adverse reactions are discussed elsewhere in the labeling:

- Myelodysplastic Syndrome/Acute Myeloid Leukemia [see Warnings and Precautions (5.1)]
- Pneumonitis [see Warnings and Precautions (5.2)]
- Venous Thromboembolism [see Warnings and Precautions (5.3)]
- Hepatotoxicity, Including Drug-Induced Liver Injury [see Warnings and Precautions (5.4)]

6.1 Clinical Trial Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

Unless otherwise specified, the data described in the WARNINGS AND PRECAUTIONS reflect exposure to Lynparza as a single agent or as part of a combination regimen (SOLO-1, SOLO-2, PAOLA-1, OlympiA, OlympiAD, POLO, PROfound, and PROpel) in 2851 patients that were pooled to conduct safety analyses.

Additional data reflect exposure to Lynparza as a single agent in 2901 patients; 2135 patients with exposure to 300 mg twice daily tablet dose including five controlled, randomized, trials (SOLO-1, SOLO-2, OlympiAD, POLO, and PROfound) and to 400 mg twice daily capsule dose in 766 patients in other trials that were pooled to conduct safety analyses.

In this pooled single agent safety population, 56% of patients were exposed for 6 months or longer and 28% were exposed for greater than one year in the Lynparza group.

In this pooled single agent safety population, the most common adverse reactions in \geq 10% of patients were nausea (60%), fatigue (55%), anemia (36%), vomiting (32%), diarrhea (24%), decreased appetite (22%), headache (16%), dysgeusia (15%), cough (15%), neutropenia (14%), dyspnea (14%), dizziness (12%), dyspepsia (12%), leukopenia (11%), and thrombocytopenia (10%).

First-Line Maintenance Treatment of BRCA-mutated Advanced Ovarian Cancer SOLO-1

The safety of Lynparza for the maintenance treatment of patients with *BRCA*-mutated advanced ovarian cancer following first-line treatment with platinum-based chemotherapy was investigated in SOLO-1 *[see Clinical Studies (14.1)]*. Patients received Lynparza tablets 300 mg orally twice daily (n=260) or placebo (n=130) until disease progression or unacceptable toxicity. The median duration of study treatment was 25 months for patients who received Lynparza and 14 months for patients who received placebo. Among patients who received Lynparza, dose interruptions due to an adverse reaction occurred in 52% and dose reductions due to an adverse reaction occurred in 28%. The most frequent adverse reactions leading to dose interruption or reduction of Lynparza were anemia (23%), nausea (14%), and vomiting (10%). Discontinuation due to adverse reactions occurred in 12% of patients receiving Lynparza. The most frequent adverse reactions that led to discontinuation of Lynparza were fatigue (3.1%), anemia (2.3%), and nausea (2.3%).

Tables 2 and 3 summarize adverse reactions and laboratory abnormalities in SOLO-1.

Table 2 Adverse Reactions* in SOLO-1 (>10% of Patients Who Received Lynnarza)

Adverse Reaction	Lynparza n=2	a tablets 260	Placebo n=130	
	All Grades (%)	Grades 3 – 4 (%)	All Grades (%)	Grades 3 – 4 (%)
Gastrointestinal Disorders				
Nausea	77	1	38	0
Abdominal pain†	45	2	35	1
Vomiting	40	0	15	1
Diarrhea [‡]	37	3	26	0
Constipation	28	0	19	0
Dyspepsia	17	0	12	0
Stomatitis§	11	0	2	0
General Disorders and Administr	ation Site Cond	itions		
Fatigue ¹	67	4	42	2
Blood and Lymphatic System Dis	orders			
Anemia	38	21	9	2
Neutropenia#	17	6	7	3
Leukopenia ^Þ	13	3	8	0
Thrombocytopenia ^B	11	1	4	2
Infections and Infestations				
Upper respiratory tract infection/influenza/ nasopharyngitis/bronchitis	28	0	23	0
UTI ^à	13	1	7	0
Nervous System Disorders				
Dysgeusia	26	0	4	0
Dizziness	20	0	15	1
Metabolism and Nutrition Disord	ers			,
Decreased appetite	20	0	10	0
Respiratory, Thoracic and Media	stinal Disorders	3		
Dyspnea ^è	15	0	6	0
Graded according to the National Can	car Instituta Comi	mon Tarminolo	ny Critaria for	Adverse Ever

Graded according to the National Cancer Institute Common Terminology Criteria for Adverse Events

- ‡ Includes colitis, diarrhea, and gastroenteritis. § Includes stomatitis, aphthous ulcer, and mouth ulceration.
- Includes asthenia, fatigue, lethargy, and malaise.
- # Includes neutropenia and febrile neutropenia.
- P Includes leukopenia and white blood cell count decreased. ß Includes platelet count decreased and thrombocytopenia.
- à Includes urosepsis, urinary tract infection, urinary tract pain, and pyuria.
- è Includes dyspnea and dyspnea exertional.

Clinically relevant adverse reactions that occurred in <10% of patients receiving Lynparza were increased blood creatinine (8%), lymphopenia (6%), VTE (3%), hypersensitivity (2%), MDS/AML (1.9%), pneumonitis (1.9%), dermatitis (1%), and increased mean cell volume (0.4%)

Table 3 Laboratory Abnormalities Reported in ≥25% of Patients in SOLO-1

Laboratory Parameter*	Lynparza tablets n†=260		Plac n [†] ='	
	Grades 1-4 (%)	Grades 3-4 (%)	Grades 1-4 (%)	Grades 3-4 (%)
Decrease in hemoglobin	87	19	63	2
Increase in mean corpuscular volume	87	_	43	_
Decrease in leukocytes	70	7	52	1
Decrease in lymphocytes	67	14	29	5
Decrease in absolute neutrophil count	51	9	38	6
Decrease in platelets	35	1	20	2
Increase in serum creatinine	34	0	18	0

^{*} Patients were allowed to enter clinical studies with laboratory values of CTCAF Grade 1

First-line Maintenance Treatment of HRD-positive Advanced Ovarian Cancer in Combination with Bevacizumab

PAOI A-1

The safety of Lynparza in combination with bevacizumab for the maintenance treatment of patients with advanced ovarian cancer following first-line treatment containing platinum-based chemotherapy and bevacizumab was investigated in PAOLA-1 [see Clinical Studies (14.2)]. This study was a placebo-controlled, double-blind study in which 802 patients received either Lynparza 300 mg BID in combination with bevacizumab (n=535) or placebo in combination with bevacizumab (n=267) until disease progression or unacceptable toxicity. The median duration of treatment with

Lynparza was 17.3 months and 11 months for bevacizumab post-randomization on the Lynparza/bevacizumab arm.

Fatal adverse reactions occurred in 1 patient due to concurrent pneumonia and aplastic anemia. Serious adverse reactions occurred in 31% of patients who received Lynparza/bevacizumab. Serious adverse reactions in >5% of patients included hypertension (19%) and anemia (17%).

Dose interruptions due to an adverse reaction of any grade occurred in 54% of patients receiving Lynparza/bevacizumab and dose reductions due to an adverse reaction occurred in 41% of patients who received Lynparza/bevacizumab.

The most frequent adverse reactions leading to dose interruption in the Lynparza/ bevacizumab arm were anemia (21%), nausea (7%), vomiting (3%), and fatigue (3%), and the most frequent adverse reactions leading to reduction in the Lynparza/ bevacizumab arm were anemia (19%), nausea (7%), and fatigue (4%).

Discontinuation due to adverse reactions occurred in 20% of patients receiving Lynparza/ bevacizumab. Specific adverse reactions that most frequently led to discontinuation in patients treated with Lynparza/bevacizumab were anemia (4%) and nausea (3%).

The most common adverse reactions (≥10%) for patients receiving Lynparza/ bevacizumab irrespective of the frequency compared with the placebo/bevacizumab arm were nausea (53%), fatigue (including asthenia) (53%), anemia (41%), lymphopenia (24%), vomiting (22%), diarrhea (18%), neutropenia (18%), leukopenia (18%), urinary tract infection (15%), and headache (14%).

Tables 4 and 5 summarize adverse reactions and laboratory abnormalities in PAOLA-1, respectively.

Table 4 Adverse Reactions* Occurring in ≥10% of Patients Treated with Lynparza/bevacizumab in PAOLA-1 and at ≥5% Frequency Compared to the Placebo/bevacizumab Arm

Adverse Reactions	Lynparza/bevacizumab n=535		Placebo/be n=2	vacizumab 267		
	Grades 1-4 (%)	Grades 3-4 (%)	Grades 1-4 (%)	Grades 3-4 (%)		
General Disorders and Administ	General Disorders and Administration Site Conditions					
Fatigue (including asthenia)†	53	5	32	1.5		
Gastrointestinal Disorders	Gastrointestinal Disorders					
Nausea	53	2.4	22	0.7		
Vomiting	22	1.7	11	1.9		
Blood and Lymphatic Disorders						
Anemia [‡]	41	17	10	0.4		
Lymphopenia [§]	24	7	9	1.1		
Leukopenia¶	18	1.9	10	1.5		

^{*} Graded according to the National Cancer Institute Common Terminology Criteria for Adverse Events

(NCI CTCAE), version 4.0. Includes asthenia and fatigue.

Clinically relevant adverse reactions that occurred in <10% of patients receiving Lynparza/ bevacizumab were dysgeusia (8%), dyspnea (8%), stomatitis (5%), dyspepsia (4.3%), erythema (3%), dizziness (2.6%), hypersensitivity (1.7%), pneumonitis (0.9%), and MDS/AML (0.7%).

Venous thromboembolism occurred more commonly in patients receiving Lynparza/ bevacizumab (5%) than in those receiving placebo/bevacizumab (1.9%).

Table 5 Laboratory Abnormalities Reported in ≥25% of Patients in PAOLA-1*

Laboratory Parameter†	Lynparza/bevacizumab n†=535		Placebo/be n‡=	vacizumab 267
	Grades 1-4 (%)	Grades 3-4 (%)	Grades 1-4 (%)	Grades 3-4 (%)
Decrease in hemoglobin	79	13	55	0.4
Decrease in lymphocytes	63	10	42	3
Increase in serum creatinine	61	0.4	36	0.4
Decrease in leukocytes	59	3.4	45	2.2
Decrease in absolute neutrophil count	35	7	30	3.7
Decrease in platelets	35	2.4	28	0.4

^{*} Reported within 30 days of the last dose.

Maintenance Treatment of BRCA-mutated Recurrent Ovarian Cancer

SOL0-2

The safety of Lynparza for the maintenance treatment of patients with platinum sensitive gBRCAm ovarian cancer was investigated in SOLO-2 [see Clinical Studies (14.3)]. Patients received Lynparza tablets 300 mg orally twice daily (n=195) or placebo (n=99) until disease progression or unacceptable toxicity. The median duration of study treatment was 19.4 months for patients who received Lynparza and 5.6 months for patients who received placebo.

⁽NCI CTCAE), version 4.0.
† Includes abdominal pain, abdominal pain lower, abdominal pain upper, abdominal distension, abdominal discomfort, and abdominal tenderness.

[†] This number represents the safety population. The derived values in the table are based on the total number of evaluable patients for each laboratory parameter.

[‡] Includes anemia, anemia macrocytic, erythropenia, haematocrit decreased, haemoglobin decreased, normochromic anemia, normochromic normocytic anemia, normocytic anemia, and red blood cell count decreased.

[§] Includes B-lymphocyte count decreased, lymphocyte count decreased, lymphopenia, and T-lymphocyte count decreased.

[¶] Includes leukopenia and white blood cell count decreased.

[†] Patients were allowed to enter clinical studies with laboratory values of CTCAE Grade 1.

[‡] This number represents the safety population. The derived values in the table are based on the total number of evaluable patients for each laboratory parameter.

Among patients who received Lynparza, dose interruptions due to an adverse reaction of any grade occurred in 45% and dose reductions due to an adverse reaction occurred in 27%. The most frequent adverse reactions leading to dose interruption or reduction of Lynparza were anemia (22%), neutropenia (9%), and fatigue/asthenia (8%). Discontinuation due to an adverse reaction occurred in 11% of patients receiving Lynparza.

Tables 6 and 7 summarize adverse reactions and laboratory abnormalities in SOLO-2.

Table 6 Adverse Reactions* in SOLO-2 (>20% of Patients Who Received Lynnarza)

Adverse Reaction	verse Reaction Lynpar n=		Plac n=	ebo 99
	Grades 1-4 (%)	Grades 3-4 (%)	Grades 1-4 (%)	Grades 3-4 (%)
Gastrointestinal Disorders				
Nausea	76	3	33	0
Vomiting	37	3	19	1
Diarrhea	33	2	22	0
Stomatitis [†]	20	1	16	0
General Disorders and Administ	ration Site Con	ditions		
Fatigue including asthenia	66	4	39	2
Blood and Lymphatic Disorders				
Anemia [‡]	44	20	9	2
Infections and Infestations				
Nasopharyngitis/URI/ sinusitis/rhinitis/influenza	36	0	29	0
Musculoskeletal and Connective	Tissue Disorde	ers		,
Arthralgia/myalgia	30	0	28	0
Nervous System Disorders				
Dysgeusia	27	0	7	0
Headache	26	1	14	0
Metabolism and Nutrition Disord	lers			
Decreased appetite	22	0	11	0

^{*} Graded according to the National Cancer Institute Common Terminology Criteria for Adverse Events (NCI CTCAE), version 4.0.

Clinically relevant adverse reactions that occurred in <20% of patients receiving Lynparza were neutropenia (19%), cough (18%), leukopenia (16%), hypomagnesemia (14%), thrombocytopenia (14%), dizziness (13%), dyspepsia (11%), increased creatinine (11%), MDS/AML (8%), edema (8%), rash (6%), VTE (5%), pneumonitis (1%), and lymphopenia (1%).

Table 7 Laboratory Abnormalities Reported in ≥25% of Patients in SOLO-2

Laboratory Parameter*		a tablets 195	Placebo n†=99	
	Grades 1-4 (%)	Grades 3-4 (%)	Grades 1-4 (%)	Grades 3-4 (%)
Increase in mean corpuscular volume‡	89	-	52	-
Decrease in hemoglobin	83	17	69	0
Decrease in leukocytes	69	5	48	1
Decrease in lymphocytes	67	11	37	1
Decrease in absolute neutrophil count	51	7	34	3
Increase in serum creatinine	44	0	29	0
Decrease in platelets	42	2	22	1

^{*} Patients were allowed to enter clinical studies with laboratory values of CTCAE Grade 1.

Adjuvant Treatment of germline BRCA-mutated HER2-negative High Risk Early Breast Cancer

<u>OlympiA</u>

The safety of Lynparza as monotherapy for the adjuvant treatment of patients with gBRCA-mutated HER2-negative high risk early breast cancer was investigated in OlympiA [see Clinical Studies (14.4)]. This study was a randomized, double-blind, multi-center study in which patients received either Lynparza tablets 300 mg orally twice daily (n=911) or placebo (n=904) for a total of 1 year, or until disease recurrence, or unacceptable toxicity. The median duration of treatment was 1 year in both arms.

Dose interruptions due to an adverse reaction of any grade occurred in 31% of patients receiving Lynparza; dose reductions due to an adverse reaction occurred in 23% of patients receiving Lynparza. The most frequent adverse reactions leading to dose interruption of Lynparza were anemia (11%), neutropenia (6%), nausea (5%), leukopenia (3.5%), fatigue (3%), and vomiting (2.9%) and the most frequent adverse reactions leading to dose reduction of Lynparza were anemia (8%), nausea (4.7%), neutropenia

(4.2%), fatigue (3.3%), leukopenia (1.8%), and vomiting (1.5%). Discontinuation due to adverse reactions occurred in 10% of patients receiving Lynparza. The adverse reactions that most frequently led to discontinuation of Lynparza were nausea (2%), anemia (1.8%), and fatigue (1.3%).

Tables 8 and 9 summarize the adverse reactions and laboratory abnormalities, respectively, in patients in OlympiA.

Table 8 Adverse Reactions* in OlympiA (≥ 10% of Patients Who Received Lynparza)

Adverse Reactions	Lynparza tablets n=911			ebo 904		
	Grades 1-4 (%)	Grades 3-4 (%)	Grades 1-4 (%)	Grades 3-4 (%)		
Gastrointestinal Disorders						
Nausea	57	0.8	23	0		
Vomiting	23	0.7	8	0		
Diarrhea	18	0.3	14	0.3		
Stomatitis [†]	10	0.1	4.5	0		
General Disorders and Administ	ration Site Co	nditions				
Fatigue (including asthenia)	42	1.8	28	0.7		
Blood and Lymphatic Disorders						
Anemia‡	24	9	3.9	0.3		
Leukopenia [§]	17	3	6	0.3		
Neutropenia ¹	16	5	7	0.8		
Nervous System Disorders						
Headache	20	0.2	17	0.1		
Dysgeusia#	12	0	4.8	0		
Dizziness	11	0.1	7	0.1		
Metabolism and Nutrition Disord	lers					
Decreased appetite	13	0.2	6	0		

^{*} Graded according to the National Cancer Institute Common Terminology Criteria for Adverse Events (NCI CTCAE), version 4.03

Clinically relevant adverse reactions that occurred in <10% of patients receiving Lynparza were cough (9.2%), lymphopenia (7%), dyspepsia (6%), upper abdominal pain (4.9%), rash (4.9%), dyspnea (4.2%), thrombocytopenia (4.2%), increase in creatinine (2%), hypersensitivity (0.9%), pneumonitis (0.8%), VTE (0.5%), dermatitis (0.5%), increase in mean corpuscular volume (0.2%), and MDS/AML (0.2%).

Table 9 Laboratory Abnormalities Reported in ≥25% of Patients in OlympiA

Laboratory	Lynparza tablets n†= 911		Placebo n†=904	
Parameter*	Grades 1-4 (%)	Grades 3-4 (%)	Grades 1-4 (%)	Grades 3-4 (%)
Decrease in lymphocytes	77	13	59	3.7
Increase in mean corpuscular volume [‡]	67	0	4.8	0
Decrease in hemoglobin	65	8	31	0.9
Decrease in leukocytes	64	5	42	0.7
Decrease in absolute neutrophil count	39	7	27	1.1

 $[^]st$ Patients were allowed to enter clinical studies with laboratory values of CTCAE Grade 1.

Germline BRCA-mutated HER2-negative Metastatic Breast Cancer

<u>OlympiAD</u>

The safety of Lynparza was evaluated in gBRCAm patients with HER2-negative metastatic breast cancer who had previously received up to two lines of chemotherapy for the treatment of metastatic disease in OlympiAD [see Clinical Studies (14.5)]. Patients received either Lynparza tablets 300 mg orally twice daily (n=205) or a chemotherapy (capecitabine, eribulin, or vinorelbine) of the healthcare provider's choice (n=91) until disease progression or unacceptable toxicity. The median duration of study treatment was 8.2 months in patients who received Lynparza and 3.4 months in patients who received chemotherapy.

Among patients who received Lynparza, dose interruptions due to an adverse reaction of any grade occurred in 35% and dose reductions due to an adverse reaction occurred in 25%. Discontinuation due to an adverse reaction occurred in 5% of patients receiving Lynparza.

Tables 10 and 11 summarize the adverse reactions and laboratory abnormalities in OlympiAD.

[†] Represents grouped term consisting of abscess oral, aphthous ulcer, gingival abscess, gingival disorder, gingival pain, gingivitis, mouth ulceration, mucosal infection, mucosal inflammation, oral candidiasis, oral discomfort, oral herpes, oral infection, oral mucosal erythema, oral pain, oropharyngeal discomfort, and oropharyngeal pain.

[‡] Represents grouped term consisting of anemia, hematocrit decreased, hemoglobin decreased, iron deficiency, mean cell volume increased, and red blood cell count decreased.

[†] This number represents the safety population. The derived values in the table are based on the total number of evaluable patients for each laboratory parameter.

[‡] Represents the proportion of subjects whose mean corpuscular volume was > upper limit of normal (ULN).

[†] Includes aphthous ulcer, mouth ulceration, and stomatitis.

Includes anemia, anemia macrocytic, erythropenia, hematocrit decreased, hemoglobin decreased, normochromic anemia, normochromic normocytic anemia, normocytic anemia, and red blood cell count decreased.

[§] Includes leukopenia and white blood cell count decreased.

¹ Includes agranulocytosis, febrile neutropenia, granulocyte count decreased, granulocytopenia, idiopathic neutropenia, neutropenia, neutropenic infection, neutropenic sepsis, and neutrophil count decreased.

[#] Includes dysgeusia and taste disorder.

[†] This number represents the safety population. The derived values in the table are based on the total number of evaluable patients for each laboratory parameter.

[‡] Represents the proportion of subjects whose mean corpuscular volume was > ULN.

Table 10 Adverse Reactions* in OlympiAD (≥20% of Patients Who Received Lynparza)

Adverse Reaction	Lynparza tablets n=205		Chemotherapy n=91	
	Grades 1-4 (%)	Grades 3-4 (%)	Grades 1-4 (%)	Grades 3-4 (%)
Gastrointestinal Disorders				
Nausea	58	0	35	1
Vomiting	30	0	15	1
Diarrhea	21	1	22	0
Blood and Lymphatic Disorders				
Anemia [†]	40	16	26	4
Neutropenia [‡]	27	9	50	26
Leukopenia [§]	25	5	31	13
General Disorders and Administratio	n Site Conditio	ons		•
Fatigue (including asthenia)	37	4	36	1
Infections and Infestations		,		
Respiratory tract infection ¹	27	1	22	0
Nervous System Disorders	•			
Headache	20	1	15	2

Graded according to NCI CTCAE v4.0.

Clinically relevant adverse reactions that occurred in <20% of patients receiving Lynparza were cough (18%), decreased appetite (16%), thrombocytopenia (11%), dysgeusia (9%), lymphopenia (8%), dyspepsia (8%), dizziness (7%), stomatitis (7%), upper abdominal pain (7%), rash (5%), increase in serum creatinine (3%), dermatitis (1%), and VTE (1%).

Table 11 Laboratory Abnormalities Reported in ≥25% of Patients in OlympiAD

I ahayatayı Dayamatay*	Lynparz n†=	a tablets 205	Chemotherapy n†= 91	
Laboratory Parameter*	Grades 1-4 (%)	Grades 3-4 (%)	Grades 1-4 (%)	Grades 3-4 (%)
Decrease in hemoglobin	82	17	66	3
Decrease in lymphocytes	73	21	63	3
Decrease in leukocytes	71	8	70	23
Increase in mean corpuscular volume [‡]	71	-	33	-
Decrease in absolute neutrophil count	46	11	65	38
Decrease in platelets	33	3	28	0

^{*} Patients were allowed to enter clinical studies with laboratory values of CTCAE Grade 1.

First-line Maintenance Treatment of Germline BRCA-mutated Metastatic Pancreatic <u>Adenocarcinoma</u>

POL0

The safety of Lynparza as maintenance treatment of germline *BRCA*-mutated metastatic pancreatic adenocarcinoma following first-line treatment with platinum-based chemotherapy was evaluated in POLO [see Clinical Studies (14.6)]. Patients received Lynparza tablets 300 mg orally twice daily (n=90) or placebo (n=61) until disease progression or unacceptable toxicity. Among patients receiving Lynparza, 34% were exposed for 6 months or longer and 25% were exposed for greater than one year.

Among patients who received Lynparza, dosage interruptions due to an adverse reaction of any grade occurred in 35% and dosage reductions due to an adverse reaction occurred in 17%. The most frequent adverse reactions leading to dosage interruption or reduction in patients who received Lynparza were anemia (11%), vomiting (5%), abdominal pain (4%), asthenia (3%), and fatigue (2%). Discontinuation due to adverse reactions occurred in 6% of patients receiving Lynparza. The most frequent adverse reaction that led to discontinuation of Lynparza was fatigue (2.2%).

Tables 12 and 13 summarize the adverse reactions and laboratory abnormalities in patients in POLO.

Table 12 Adverse Reactions* in POLO (Occurring in ≥10% of Patients who Received Lynparza)

Adverse Reaction	Lynparz (n=	Lynparza tablets (n=91)† All Grades Grades 3 − 4 (%)		Placebo (n=60)†	
				Grades 3 – 4 (%)	
General Disorders and Adn					
Fatigue [‡]	60	5	35	2	
Gastrointestinal Disorders					
Nausea	45	0	23	2	
Abdominal pain§	34	2	37	5	
Diarrhea	29	0	15	0	
Constipation	23	0	10	0	
Vomiting	20	1	15	2	
Stomatitis [¶]	10	0	5	0	

Table 12 Adverse Reactions* in POLO (Occurring in ≥10% of Patients who Received Lynparza) (cont'd)

Adverse Reaction		Lynparza tablets (n=91)†		cebo 60)†
	All Grades (%)	Grades 3 – 4 (%)	All Grades (%)	Grades 3 – 4 (%)
Blood and Lymphatic System	Disorders			
Anemia	27	11	17	3
Thrombocytopenia#	14	3	7	0
Neutropenia⁵	12	4	8	3
Metabolism and Nutrition Dis	sorders			
Decreased appetite	25	3	7	0
Musculoskeletal and Connec	tive Tissue Diso	rders		
Back pain	19	0	17	2
Arthralgia	15	1	10	0
Skin and Subcutaneous Tissu	e Disorder			
Rash ^B	15	0	5	0
Respiratory, Thoracic and Me	ediastinal Disor	lers		
Dyspnea ^à	13	0	5	2
Infections and Infestations				
Nasopharyngitis	12	0	3	0
Nervous System Disorders				
Dysgeusia	11	0	5	0

^{*} Graded according to NCI CTCAE, version 4.0.

1 Includes stomatitis and mouth ulceration.

Includes platelets count decreased and thrombocytopenia

- P Includes neutropenia, febrile neutropenia, and neutrophil count decreased. B Includes rash erythematous, rash macular, and rash maculo-papular.
- à Includes dyspnea and dyspnea exertional.

Clinically relevant adverse reactions that occurred in <10% of patients receiving Lynparza were cough (9%), abdominal pain upper (7%), blood creatinine increased (7%), dizziness (7%), headache (7%), dyspepsia (5%), leukopenia (5%), VTE (3%), hypersensitivity (2%), lymphopenia (2%), and pneumonitis (1.1%).

Table 13 Laboratory Abnormalities Reported in ≥25% of Patients in POLO

Laboratory Parameter*	Lynparza tablets n†=91		Placebo n†=60	
	Grades 1-4 (%)	Grades 3-4 (%)	Grades 1-4 (%)	Grades 3-4 (%)
Increase in serum creatinine	99	2	85	0
Decrease in hemoglobin	86	11	65	0
Increase in mean corpuscular volume‡	71	-	30	-
Decrease in lymphocytes	61	9	27	0
Decrease in platelets	56	2	39	0
Decrease in leukocytes	50	3	23	0
Decrease in absolute neutrophil count	25	3	10	0

^{*} Patients were allowed to enter POLO with hemoglobin ≥9 g/dL (CTCAE Grade 2) and other laboratory values of CTCAE Grade 1.

HRR Gene-mutated Metastatic Castration-Resistant Prostate Cancer

PROfound

The safety of Lynparza as monotherapy was evaluated in patients with mCRPC and HRR gene mutations who have progressed following prior treatment with enzalutamide or abiraterone in PROfound [see Clinical Studies (14.7)]. This study was a randomized, open-label, multi-center study in which 386 patients received either Lynparza tablets 300 mg orally twice daily (n=256) or investigator's choice of enzalutamide or abiraterone acetate (n=130) until disease progression or unacceptable toxicity. Among patients receiving Lynparza, 62% were exposed for 6 months or longer and 20% were exposed for greater than one year.

Fatal adverse reactions occurred in 4% of patients treated with Lynparza. These included pneumonia (1.2%), cardiopulmonary failure (0.4%), aspiration pneumonia (0.4%), intestinal diverticulum (0.4%), septic shock (0.4%), Budd-Chiari Syndrome (0.4%), sudden death (0.4%), and acute cardiac failure (0.4%).

Serious adverse reactions occurred in 36% of patients receiving Lynparza. The most frequent serious adverse reactions (≥2%) were anemia (9%), pneumonia (4%), pulmonary embolism (2%), fatigue/asthenia (2%), and urinary tract infection (2%).

Dose interruptions due to an adverse reaction of any grade occurred in 45% of patients receiving Lynparza; dose reductions due to an adverse reaction occurred in 22% of Lynparza patients. The most frequent adverse reactions leading to dose interruption of Lynparza were anemia (25%) and thrombocytopenia (6%) and the most frequent adverse reaction leading to reduction of Lynparza was anemia (16%). Discontinuation due to adverse reactions occurred in 18% of Lynparza. The adverse reaction that most frequently led to discontinuation of Lynparza was anemia (7%).

Tables 14 and 15 summarize the adverse reactions and laboratory abnormalities, respectively, in patients in PROfound.

[†] Represents grouped terms consisting of anemia (anemia erythropenia, hematocrit decreased, hemoglobin decreased, and red blood cell count decreased).

[‡] Represents grouped terms consisting of neutropenia (febrile neutropenia, granulocyte count decreased, granulocytopenia, neutropenia, neutropenic infection, neutropenic sepsis, and neutrophil count decreased).

[§] Represents grouped terms consisting of leukopenia (leukopenia and white blood cell count decreased)

[¶] Represents grouped terms consisting of bronchitis, influenza, lower respiratory tract infection, nasopharyngitis, pharyngitis, respiratory tract infection, rhinitis, sinusitis, upper respiratory tract infection, and upper respiratory tract infection bacterial.

[†] This number represents the safety population. The derived values in the table are based on the total number of evaluable patients for each laboratory parameter.

[‡] Represents the proportion of subjects whose mean corpuscular volume was > ULN.

[†] This number represents the safety population. The derived values in the table are based on the total number of evaluable patients for each laboratory parameter. ‡ Includes asthenia and fatigue.

Includes abdominal pain, abdominal pain upper, and abdominal pain lower.

[†] This number represents the safety population. The derived values in the table are based on the total number of evaluable patients for each laboratory parameter.

[‡] Represents the proportion of subjects whose mean corpuscular volume was > ULN.

Table 14 Adverse Reactions* Reported in ≥10% of Patients in PROfound

Adverse Reactions	Lynparza tablets n=256		Enzalutamide or abiraterone n=130				
	Grades 1-4 (%)	Grades 3-4 (%)	Grades 1-4 (%)	Grades 3-4 (%)			
Blood and lymphatic disorders							
Anemia [†]	46	21	15	5			
Thrombocytopenia [‡]	12	4	3	0			
Gastrointestinal disorders							
Nausea	41	1	19	0			
Diarrhea	21	1	7	0			
Vomiting	18	2	12	1			
General disorders and administration site conditions							
Fatigue (including asthenia)	41	3	32	5			
Metabolism and nutrition disord	ers						
Decreased appetite	30	1	18	1			
Respiratory, thoracic, and mediastinal disorders							
Cough	11	0	2	0			
Dyspnea	10	2	3	0			

^{*} Graded according to the National Cancer Institute Common Terminology Criteria for Adverse Events (NCI CTCAE), version 4.03.

Clinically relevant adverse reactions that occurred in <10% of patients receiving Lynparza were neutropenia (9%), VTE (7%), dizziness (7%), dysgeusia (7%), dyspepsia (7%), headache (6%), pneumonia (5%), stomatitis (5%), rash (4%), blood creatinine increase (4%), pneumonitis (2%), upper abdominal pain (2%), and hypersensitivity (1%).

Table 15 Laboratory Abnormalities Reported in ≥25% of Patients in PROfound

Laboratory Parameter*	Lynparza tablets n†= 256		abirat	nmide or erone 130
ratameter	Grades 1-4 (%)	Grades 3-4 (%)	Grades 1-4 (%)	Grades 3-4 (%)
Decrease in hemoglobin	98	13	73	4
Decrease in lymphocytes	62	23	34	13
Decrease in leukocytes	53	4	21	0
Decrease in absolute neutrophil count	34	3	9	0

^{*} Patients were allowed to enter clinical studies with laboratory values of CTCAE Grade 1.

<u>Treatment of BRCA-mutated Metastatic Castration-Resistant Prostate Cancer in Combination with Abiraterone and Prednisone or Prednisolone</u>

PR0pel

The safety of Lynparza in combination with abiraterone and prednisone or prednisolone for the treatment of patients in the first-line mCRPC setting was investigated in PROpel [see Clinical Studies (14.8)]. Patients were randomized to receive either Lynparza tablets 300 mg orally twice daily plus abiraterone tablets 1000 mg once daily (Lynparza/abiraterone) (n=398), or placebo plus abiraterone 1000 mg once daily (placebo/abiraterone) (n=396) until disease progression or unacceptable toxicity. Patients in both arms also received either prednisone or prednisolone 5 mg twice daily.

Fatal adverse reactions occurred in 6% of patients, including COVID-19 (3%) and pneumonias (0.5%).

Serious adverse reactions occurred in 39% of patients. Serious adverse reactions reported in > 2% of patients included anemia (6%), COVID-19 (6%), pneumonia (4.5%), pulmonary embolism (3.5%), and urinary tract infection (3%).

Permanent discontinuation of Lynparza due to adverse reactions occurred in 16% of patients treated in the Lynparza with abiraterone arm. The most common adverse reactions which resulted in permanent discontinuation of Lynparza were anemia (4.3%) and pneumonia (1.5%).

Dosage interruption of Lynparza due to adverse reactions occurred in 48% of patients treated in the Lynparza with abiraterone arm. The most common (>2%) adverse reactions requiring dosage interruption of Lynparza were anemia (16%), COVID-19 (6%) fatigue (3.5%), nausea (2.8%), pulmonary embolism (2.3%), and diarrhea (2.3%).

Dose reduction of Lynparza due to adverse reactions occurred in 21% of patients treated in the Lynparza with abiraterone arm. The most common (>2%) adverse reactions requiring dosage reductions of Lynparza were anemia (11%) and fatigue (2.5%).

The most common adverse reactions (≥10%) in patients who received Lynparza/abiraterone were anemia (48%), fatigue (38%), nausea (30%), diarrhea (19%), decreased appetite (16%), lymphopenia (14%), dizziness (14%), and abdominal pain (13%).

Tables 16 and 17 summarize adverse reactions and laboratory abnormalities in PROpel, respectively.

Table 16 Adverse Reactions (\geq 10%) in Patients Who Received Lynparza (with a Difference of \geq 5% Compared to Placebo) in PROpel

Adverse Reactions*		Lynparza/abiraterone n=398		Placebo/abiraterone n=396	
	Grades 1-4 (%)	Grades 3-4 (%)	Grades 1-4 (%)	Grades 3-4 (%)	
Blood and Lymphatic Disor	ders				
Anemia [†]	48	16	18	3.3	
Lymphopenia [‡]	14	5	6	1.8	
General Disorders and Administration Site Conditions					
Fatigue (including asthenia)	38	2.3	30	1.5	
Gastrointestinal Disorders					
Nausea	30	0.3	14	0.3	
Diarrhea	19	1	10	0.3	
Abdominal pain§	13	0	7	0.5	
Metabolism and nutrition disorders					
Decreased appetite	16	1	7	0	
Nervous System Disorders					
Dizziness ¹	14	0.3	7	0	

^{*} Graded according to the National Cancer Institute Common Terminology Criteria for Adverse Events (NCI CTCAE), version 4.03.

Clinically relevant adverse reactions that occurred in <10% for patients receiving Lynparza plus abiraterone were headache (9%), VTE (8%), rash (7%), dysgeusia (6%), acute kidney injury (3%), stomatitis (2.5%), and pneumonitis (1%).

Table 17 Selected Laboratory Abnormalities Reported in ≥20% of Patients in PROpel

	-			•
Laboratory Parameter	Lynparza/abiraterone n=398*		Placebo/a n=3	biraterone 96*
	Grades 1-4 (%)	Grades 3-4 (%)	Grades 1-4 (%)	Grades 3-4 (%)
Decrease in hemoglobin	97	12	81	1.3
Decrease in lymphocytes	70	23	49	11
Decrease in platelets	23	1.2	20	0.3
Decrease in absolute neutrophil count	23	5	6	0

^{*} This number represents the safety population. The derived values in the table are based on the total number of evaluable patients for each laboratory parameter.

6.2 Postmarketing Experience

The following adverse reactions have been identified during post-approval use of Lynparza. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

Hepatobiliary Disorders: Drug-induced liver injury.

Immune System Disorders: Hypersensitivity including angioedema.

Skin and Subcutaneous Tissue Disorders: Erythema nodosum, rash, dermatitis.

7 DRUG INTERACTIONS

7.1 Use with Anticancer Agents

Clinical studies of Lynparza with other myelosuppressive anticancer agents, including DNA damaging agents, indicate a potentiation and prolongation of myelosuppressive toxicity.

7.2 Effect of Other Drugs on Lynparza

Strong and Moderate CYP3A Inhibitors

Coadministration of CYP3A inhibitors can increase olaparib concentrations, which may increase the risk for adverse reactions [see Clinical Pharmacology (12.3)]. Avoid coadministration of strong or moderate CYP3A inhibitors. If the strong or moderate inhibitor must be coadministered, reduce the dose of Lynparza [see Dosage and Administration (2.4)].

Strong and Moderate CYP3A Inducers

Concomitant use with a strong or moderate CYP3A inducer decreased olaparib exposure, which may reduce Lynparza efficacy [see Clinical Pharmacology (12.3)]. Avoid coadministration of strong or moderate CYP3A inducers.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

Based on findings in animals and its mechanism of action [see Clinical Pharmacology (12.1)], Lynparza can cause fetal harm when administered to a pregnant woman. There are no available data on Lynparza use in pregnant women to inform the drug-associated risk. In an animal reproduction study, the administration of olaparib to pregnant rats during the period of organogenesis caused teratogenicity and embryo-fetal toxicity at exposures below those in patients receiving the recommended human dose of 300 mg twice daily (see Data). Apprise pregnant women of the potential hazard to the fetus and the potential risk for loss of the pregnancy.

The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. The estimated background risk in the U.S. general population

[†] Includes anemia and hemoglobin decreased.

[‡] Includes platelet count decreased and thrombocytopenia.

[†] This number represents the safety population. The derived values in the table are based on the total number of evaluable patients for each laboratory parameter.

t Includes anémia, anemia macrocytic, and red blood cell count decreased

Includes lymphocyte count decreased and lymphopenia

[§] Includes abdominal discomfort, abdominal pain, abdominal pain upper, and abdominal pain lower

[¶] Includes dizziness and vertigo.

of major birth defects is 2-4%; and the risk for spontaneous abortion is approximately 15-20% in clinically recognized pregnancies.

Data

Animal Data

In a fertility and early embryonic development study in female rats, olaparib was administered orally for 14 days before mating through to Day 6 of pregnancy, which resulted in increased post-implantation loss at a dose level of 15 mg/kg/day (with maternal systemic exposures approximately 7% of the human exposure (AUC $_{\text{0-24h}}$) at the recommended dose).

In an embryo-fetal development study, pregnant rats received oral doses of 0.05 and 0.5 mg/kg/day olaparib during the period of organogenesis. A dose of 0.5 mg/kg/day (with maternal systemic exposures approximately 0.18% of human exposure (AUC $_{\rm 0.24h}$) at the recommended dose) caused embryo-fetal toxicities including increased post-implantation loss and major malformations of the eyes (anophthalmia, microphthalmia), vertebrae/ribs (extra rib or ossification center; fused or absent neural arches, ribs, and sternebrae), skull (fused exoccipital), and diaphragm (hernia). Additional abnormalities or variants included incomplete or absent ossification (vertebrae/sternebrae, ribs, limbs) and other findings in the vertebrae/sternebrae, pelvic girdle, lung, thymus, liver, ureter, and umbilical artery. Some findings noted above in the eyes, ribs, and ureter were observed at a dose of 0.05 mg/kg/day olaparib at lower incidence.

8.2 Lactation

Risk Summary

No data are available regarding the presence of olaparib in human milk, or on its effects on the breastfed infant or on milk production. Because of the potential for serious adverse reactions in the breastfed infants from Lynparza, advise a lactating woman not to breastfeed during treatment with Lynparza and for one month after receiving the last dose.

8.3 Females and Males of Reproductive Potential

Lynparza can cause fetal harm when administered to a pregnant woman [see Use in Specific Populations (8.1)].

Pregnancy Testing

Verify pregnancy status in females of reproductive potential prior to initiating treatment with Lynparza.

Contraception

Females

Advise females of reproductive potential to use effective contraception during treatment with Lynparza and for 6 months following the last dose.

Males

Based on findings in genetic toxicity and animal reproduction studies, advise male patients with female partners of reproductive potential or who are pregnant to use effective contraception during treatment and for 3 months following the last dose of Lynparza. Advise male patients not to donate sperm during therapy and for 3 months following the last dose of Lynparza [see Use in Specific Populations (8.1) and Nonclinical Toxicology (13.1)].

8.4 Pediatric Use

Safety and effectiveness of Lynparza have not been established in pediatric patients.

8.5 Geriatric Use

Of the 2901 patients with advanced solid tumors who received Lynparza as a single agent, 680 (23%) patients were aged ≥65 years, and this included 206 (7%) patients who were aged ≥75 years. Thirteen (0.4%) patients were aged ≥85 years.

Of the 535 patients with advanced solid tumors who received Lynparza tablets 300 mg orally twice daily in combination with bevacizumab (PAOLA-1), 204 (38%) patients were aged ≥65 years, and this included 31 (6%) patients who were aged ≥75 years.

Of the 398 patients with advanced solid tumors who received Lynparza tablets 300 mg orally twice daily in combination with abiraterone and prednisone or prednisolone (PROpel), 268 (67%) patients were aged \geq 65 years, and this included 95 (24%) patients who were aged \geq 75 years.

No overall differences in the safety or effectiveness of Lynparza were observed between these patients and younger patients.

8.6 Renal Impairment

No dosage modification is recommended in patients with mild renal impairment (CLcr 51 to 80 mL/min estimated by Cockcroft-Gault). Reduce Lynparza dosage to 200 mg twice daily in patients with moderate renal impairment (CLcr 31 to 50 mL/min) [see Dosage and Administration (2.5)]. There are no data in patients with severe renal impairment or end-stage disease (CLcr \leq 30 mL/min) [see Clinical Pharmacology (12.3)].

8.7 Hepatic Impairment

No adjustment to the starting dose is required in patients with mild or moderate hepatic impairment (Child-Pugh classification A and B). There are no data in patients with severe hepatic impairment (Child-Pugh classification C) [see Clinical Pharmacology (12.3)].

11 DESCRIPTION

Olaparib is a poly (ADP-ribose) polymerase (PARP) inhibitor. The chemical name is $4-[(3-\{[4-(cyclopropylcarbonyl)piperazin-1-yl]carbonyl\}-4-fluorophenyl)methyl]$ phthalazin-1(2H)-one. The empirical molecular formula for Lynparza is $C_{24}H_{23}FN_4O_3$ and the relative molecular mass is 434.46. It has the following chemical structure:

Olaparib is a crystalline solid, is non-chiral and shows pH-independent low solubility across the physiological pH range.

Lynparza (olaparib) tablets for oral use contain 100 mg or 150 mg of olaparib. Inactive ingredients in the tablet core are copovidone, mannitol, colloidal silicon dioxide, and sodium stearyl fumarate. The tablet coating consists of hypromellose, polyethylene glycol 400, titanium dioxide, ferric oxide yellow, and ferrosoferric oxide (150 mg tablet only).

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Olaparib is an inhibitor of poly (ADP-ribose) polymerase (PARP) enzymes, including PARP1, PARP2, and PARP3. PARP enzymes are involved in normal cellular functions, such as DNA transcription and DNA repair. Olaparib has been shown to inhibit growth of select tumor cell lines in vitro and decrease tumor growth in mouse xenograft models of human cancer, both as monotherapy or following platinum-based chemotherapy. Increased cytotoxicity and anti-tumor activity following treatment with olaparib were noted in cell lines and mouse tumor models with deficiencies in BRCA1/2, ATM, or other genes involved in the homologous recombination repair (HRR) of DNA damage and correlated with platinum response. In vitro studies have shown that olaparib-induced cytotoxicity may involve inhibition of PARP enzymatic activity and increased formation of PARP-DNA complexes, resulting in DNA damage and cancer cell death. In prostate cancer models, PARP1 has been shown to contribute to androgen receptor (AR) activity regulation; the combination of olaparib and AR inhibition resulted in cytotoxicity in vitro and anti-tumor activity in mouse xenograft models.

12.2 Pharmacodynamics

Cardiac Electrophysiology

The effect of olaparib on cardiac repolarization was assessed in 119 patients following a single dose of 300 mg and in 109 patients following multiple dosing of 300 mg twice daily. No clinically relevant effect of olaparib on QT interval was observed.

12.3 Pharmacokinetics

The area under the curve (AUC) of olaparib increases approximately proportionally following administration of single doses of 25 mg to 450 mg (0.08 to 1.5 times the recommended dose) and maximal concentrations ($C_{\rm max}$) increased slightly less than proportionally for the same dose range. Olaparib showed time-dependent pharmacokinetics and an AUC mean accumulation ratio of 1.8 is observed at steady state following a dose of 300 mg twice daily.

The mean (CV%) olaparib C_{max} is 5.4 μ g/mL (32%) and AUC is 39.2 μ g*h/mL (44%) following a single 300 mg dose. The mean steady state olaparib C_{max} and AUC is 7.6 μ g/mL (35%) and 49.2 μ g*h/mL (44%), following a dose of 300 mg twice daily.

<u>Absorption</u>

Following oral administration of olaparib, the median time to peak plasma concentration is 1.5 hours.

Effect of Food

Co-administration of a high fat and high calorie meal (800-1000 kcal, 50% of the calorie content made up from fat) with olaparib slowed the rate (t_{max} delayed by 2.5 hours) of absorption, but did not significantly alter the extent of olaparib absorption (mean AUC increased by approximately 8%).

Distribution

The mean (\pm standard deviation) apparent volume of distribution of olaparib is 158 \pm 136 L following a single 300 mg dose of Lynparza. The protein binding of olaparib is approximately 82% in vitro.

Elimination

The mean (\pm standard deviation) terminal plasma half-life of olaparib is 14.9 \pm 8.2 hours and the apparent plasma clearance is 7.4 \pm 3.9 L/h following a single 300 mg dose of Lynparza.

Metabolism

Olaparib is metabolized by cytochrome P450 (CYP) 3A in vitro.

Following an oral dose of radiolabeled olaparib to female patients, unchanged olaparib accounted for 70% of the circulating radioactivity in plasma. It was extensively metabolized with unchanged drug accounting for 15% and 6% of radioactivity in urine and feces, respectively. The majority of the metabolism is attributable to oxidation reactions with a number of the components produced undergoing subsequent glucuronide or sulfate conjugation.

Excretion 5

Following a single dose of radiolabeled olaparib, 86% of the dosed radioactivity was recovered within a 7-day collection period, 44% via the urine and 42% via the feces. The majority of the material was excreted as metabolites.

Specific Populations

Patients with Renal Impairment

In a renal impairment trial, the mean AUC increased by 24% and C_{max} by 15%, when olaparib was dosed in patients with mild renal impairment (CLcr=51-80 mL/min defined by the Cockcroft-Gault equation; n=13) and by 44% and 26%, respectively, when olaparib was dosed in patients with moderate renal impairment (CLcr=31-50 mL/min; n=13), compared to those with normal renal function (CLcr \ge 81 mL/min; n=12). There was no evidence of a relationship between the extent of plasma protein binding of olaparib and creatinine clearance. There are no data in patients with severe renal impairment or end-stage renal disease (CLcr \le 30 mL/min).

Patients with Hepatic Impairment

In a hepatic impairment trial, the mean AUC increased by 15% and the mean $C_{\rm max}$ increased by 13% when olaparib was dosed in patients with mild hepatic impairment (Child-Pugh classification A; n=10) and the mean AUC increased by 8% and the mean $C_{\rm max}$ decreased by 13% when olaparib was dosed in patients with moderate hepatic maximum (Child-Pugh classification B; n=8), compared to patients with normal hepatic function (n=13). Hepatic impairment has no effect on the protein binding of olaparib and, therefore, total plasma exposure was representative of free drug. There are no data in patients with severe hepatic impairment (Child-Pugh classification C).

Drug Interaction Studies

Clinical Studies

CYP3A Inhibitors: Concomitant use of itraconazole (strong CYP3A inhibitor) increased olaparib C_{\max} by 42% and AUC by 170%. Concomitant use of fluconazole (moderate CYP3A inhibitor) is predicted to increase olaparib C_{\max} by 14% and AUC by 121%.

CYP3A Inducers: Concomitant use of rifampicin (strong CYP3A inducer) decreased olaparib C_{max} by 71% and AUC by 87%. Concomitant use of efavirenz (moderate CYP3A inducer) is predicted to decrease olaparib C_{max} by 31% and AUC by 60%.

In vitro Studies

CYP Enzymes: Olaparib is both an inhibitor and inducer of CYP3A and an inducer of CYP2B6. Olaparib is predicted to be a weak CYP3A inhibitor in humans.

UGT Enzymes: Olaparib is an inhibitor of UGT1A1.

Transporters: Olaparib is an inhibitor of BCRP, OATP1B1, OCT1, OCT2, OAT3, MATE1, and MATE2K. Olaparib is a substrate and inhibitor of the efflux transporter P-gp. The potential for olaparib to induce P-gp has not been evaluated.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenicity studies have not been conducted with olaparib.

Olaparib was clastogenic in an in vitro chromosomal aberration assay in mammalian Chinese hamster ovary (CHO) cells and in an in vivo rat bone marrow micronucleus assay. This clastogenicity is consistent with genomic instability resulting from the primary parmacology of olaparib and indicates potential for genotoxicity in humans. Olaparib was not mutagenic in a bacterial reverse mutation (Ames) test.

In a fertility study, female rats received oral olaparib at doses of 0.05, 0.5, and 15 mg/kg/day for at least 14 days before mating through the first week of pregnancy. There were no adverse effects on mating and fertility rates at doses up to 15 mg/kg/day (maternal systemic exposures approximately 7% of the human exposure (AUC $_{0.24h}$) at the recommended dose).

In a male fertility study, olaparib had no effect on mating and fertility in rats at oral doses up to 40 mg/kg/day following at least 70 days of olaparib treatment (with systemic exposures of approximately 5% of the human exposure (AUC_{0-24h}) at the recommended dose).

14 CLINICAL STUDIES

14.1 First-Line Maintenance Treatment of BRCA-mutated Advanced Ovarian Cancer

The efficacy of Lynparza was evaluated in SOLO-1 (NCT01844986), a randomized (2:1), double-blind, placebo-controlled, multi-center trial in patients with *BRCA*-mutated advanced ovarian, fallopian tube, or primary peritoneal cancer following first-line platinum-based chemotherapy. Patients were randomized to receive Lynparza tablets 300 mg orally twice daily or placebo. Treatment was continued for up to 2 years or until disease progression or unacceptable toxicity; however, patients with evidence of disease at 2 years, who in the opinion of the treating healthcare provider could derive further benefit from continuous treatment, could be treated beyond 2 years. Randomization was stratified by response to first-line platinum-based chemotherapy (complete or partial response). The major efficacy outcome was investigator-assessed progression-free survival (PFS) evaluated according to Response Evaluation Criteria in Solid Tumors (RECIST), version 1.1.

A total of 391 patients were randomized, 260 to Lynparza and 131 to placebo. The median age of patients treated with Lynparza was 53 years (range: 29 to 82) and 53 years (range: 31 to 84) among patients on placebo. The ECOG performance status (PS) was 0 in 77% of patients receiving Lynparza and 80% of patients receiving placebo. Of all patients, 82% were White, 36% were enrolled in the U.S. or Canada, and 82% were in complete response to their most recent platinum-based regimen. The majority of patients (n=389) had germline BRCA mutation (gBRCAm), and 2 patients had somatic BRCAm (sBRCAm).

Of the 391 patients randomized in SOLO-1, 386 were retrospectively or prospectively tested with a Myriad BRACAnalysis test and 383 patients were confirmed to have deleterious or suspected deleterious gBRCAm status; 253 were randomized to the Lynparza arm and 130 to the placebo arm. Two out of 391 patients randomized in SOLO-1 were confirmed to have sBRCAm based on an investigational Foundation Medicine tissue test.

SOLO-1 demonstrated a statistically significant improvement in investigator-assessed PFS for Lynparza compared to placebo. Results from a blinded independent review were consistent. At the time of the analysis of PFS, overall survival (OS) data were not mature (21% of patients had died). Efficacy results are presented in Table 18 and Figure 1.

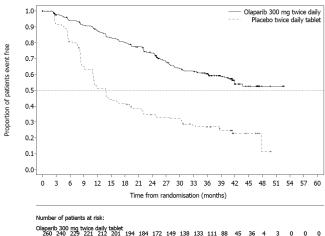
Table 18 Efficacy Results – SOLO-1 (Investigator Assessment)

	Lynparza tablets (n=260)	Placebo (n=131)			
Progression-Free Survival*					
Number of events (%)	102 (39%)	96 (73%)			
Median, months	NR	13.8			
Hazard ratio [†] (95% CI)	0.30 (0.5	23, 0.41)			
p-value [‡]	<0.0	<0.0001			

^{*} Median follow-up of 41 months in both treatment arms.

NR not reached; CI Confidence Interval.

Figure 1 Kaplan-Meier Curves of Investigator-Assessed Progression-Free Survival – SOLO-1



Olaparib 300 mg twice daily tablet 260 240 229 221 212 201 194 184 172 149 138 133 111 88 45 36 4 3 0 0 0 0 Placebo twice daily tablet 131 118 103 82 65 56 53 47 41 39 38 31 28 22 6 5 1 0 0 0 0 0

14.2 First-line Maintenance Treatment of HRD-positive Advanced Ovarian Cancer in Combination with Bevacizumab

PAOLA-1 (NCT02477644) was a randomized, double-blind, placebo-controlled, multicenter trial that compared the efficacy of Lynparza in combination with bevacizumab versus placebo/bevacizumab for the maintenance treatment of advanced high-grade epithelial ovarian cancer, fallopian tube or primary peritoneal cancer following first-line platinum-based chemotherapy and bevacizumab. Randomization was stratified by first-line treatment outcome (timing and outcome of cytoreductive surgery and response to platinum-based chemotherapy) and tBRCAm status, determined by prospective local testing. All available clinical samples were retrospectively tested with Myriad myChoice® CDx. Patients were required to have no evidence of disease (NED) due to complete surgical resection, or who were in complete response (CR), or partial response (PR) following completion of first-line platinum-containing chemotherapy and bevacizumab. Patients were randomized (2:1) to receive Lynparza tablets 300 mg orally twice daily in combination with bevacizumab (n=537) 15 mg/kg every three weeks or placebo/ bevacizumab (n=269). Patients continued bevacizumab in the maintenance setting and started treatment with Lynparza after a minimum of 3 weeks and up to a maximum of 9 weeks following completion of their last dose of chemotherapy. Lynparza treatment was continued for up to 2 years or until progression of the underlying disease or unacceptable toxicity. Patients who in the opinion of the treating physician could derive further benefit from continuous treatment could be treated beyond 2 years. Treatment with bevacizumab was for a total of up to 15 months, including the period given with chemotherapy and given as maintenance.

The major efficacy outcome measure was investigator-assessed PFS evaluated according to RECIST, version 1.1. An additional efficacy endpoint was overall survival (0S).

A statistically significant difference in PFS was observed in the intent-to-treat (ITT) population. Planned exploratory analyses of PFS and OS were conducted in patients with known HRD status. The PFS hazard ratio (HR) for patients with HRD-negative tumors (277/806; 34%) was 1.00 (95% CI: 0.75, 1.34) and the OS HR was 1.18 (95% CI: 0.87, 1.60) indicating that the clinical benefit was primarily attributed to the results seen in the HRD-positive population. Efficacy results in patients with HRD-positive tumors are summarized in Table 19, Figure 2, and Figure 3.

Among the 387 patients (48%) with HRD-positive tumors identified post-randomization using the Myriad myChoice® HRD Plus tumor test the median age was 58 years in both arms (range 32-82). Ovarian cancer was the primary tumor type in 87% of patients in both arms. Ninety five percent (95%) were serous histological type. The ECOG performance score was 0 in 75% of patients and 1 in 24% of patients. All patients had received first-line platinum-based therapy and bevacizumab. First-line treatment outcomes at screening indicated that patients had no evidence of disease with complete macroscopic resection at initial debulking surgery (36%), no evidence of disease/CR with complete macroscopic resection at interval debulking surgery (29%, both arms), no evidence of disease/CR in patients who had either incomplete resection (at initial or interval debulking surgery) or no debulking surgery (16%, both arms) and patients with a partial response (19%, both arms). Sixty-two (62%) of patients in the Lynparza/bevacizumab arm and 58% of patients in placebo/bevacizumab arm had tumors with a deleterious BRCA mutation. Patients were not restricted by the surgical outcome with 67% having complete cytoreduction at initial or interval debulking surgery and 33% having residual macroscopic disease.

Table 19 Efficacy Results - PAOLA-1 (HRD-positive status, Investigator Assessment)

	Lynparza/bevacizumab (n=255)	Placebo/bevacizumab (n=132)	
Progression-Free Survival*			
Number of events (%)	87 (34%)	92 (70%)	
Median, months	37.2	17.7	
Hazard ratio [†] (95% CI)	0.33 (0.2	25, 0.45)	
Overall Survival‡			
Number of events (%)	93 (36%)	69 (52%)	
Median, months	75.2	57.3	
Hazard ratio† (95% CI)	0.62 (0.45, 0.85)		

^{*} Results from a blinded independent review of PFS were consistent with those from investigatorassessed PFS.

A value <1 favors Lynparza. Hazard ratio from a Cox proportional hazards model including response to previous platinum chemotherapy (complete response versus partial response) as a covariate.

[‡] The p-value is derived from a stratified log-rank test.

[†] The analysis was performed using an unstratified Cox proportional hazards model. ‡ Based on final OS subgroup analysis.

CI Confidence interval.

Figure 2 Kaplan-Meier Curves of Investigator-Assessed Progression-Free Survival – PAOLA-1 (HRD-positive status)

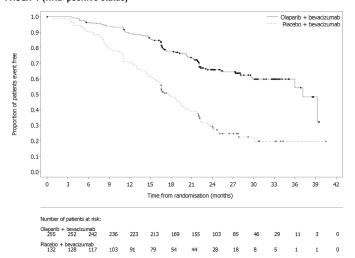
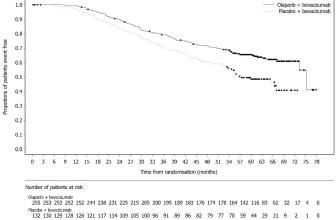


Figure 3 Kaplan-Meier Curves of Overall Survival – PAOLA-1 (HRD-positive status)*



^{*} Based on final OS subgroup analysis.

14.3 Maintenance Treatment of BRCA-mutated Recurrent Ovarian Cancer

The efficacy of Lynparza was evaluated in SOLO-2 (NCT01874353), a randomized (2:1) double-blind, placebo-controlled trial in patients with *BRCA*m ovarian, fallopian tube, or primary peritoneal cancer who were in response to platinum-based therapy. Patients were randomized to Lynparza tablets 300 mg orally twice daily or placebo until unacceptable toxicity or progressive disease. Randomization was stratified by response to last platinum chemotherapy (complete versus partial) and time to disease progression in the penultimate platinum-based chemotherapy prior to enrollment (6-12 months versus >12 months). All patients had received at least two prior platinum-containing regimens and were in response (complete or partial) to their most recent platinum-based regimen. The major efficacy outcome measure was investigator-assessed PFS evaluated according to RECIST, version 1.1. An additional efficacy outcome measure was OS.

A total of 295 patients were randomized, 196 to Lynparza and 99 to placebo. The median age of patients treated with Lynparza was 56 years (range: 28 to 83) and 56 years (range: 39 to 78) among patients treated with placebo. The ECOG PS was 0 in 83% of patients receiving Lynparza and 78% of patients receiving placebo. Of all patients, 89% were White, 17% were enrolled in the U.S. or Canada, 47% were in complete response to their most recent platinum-based regimen, and 40% had a progression-free interval of 6-12 months since their penultimate platinum regimen. Prior bevacizumab therapy was reported for 17% of those treated with Lynparza and 20% of those receiving placebo. Approximately 44% of patients on the Lynparza arm and 37% on placebo had received three or more lines of platinum-based treatment. All (100%) patients enrolled had gBRCA mutations.

All patients had a deleterious or suspected deleterious germline *BRCA* mutation as detected either by a local test (n=236) or central Myriad CLIA test (n=59), subsequently confirmed by BRACAnalysis CDx® (n=286).

SOLO-2 demonstrated a statistically significant improvement in investigator-assessed PFS in patients randomized to Lynparza as compared with placebo. Results from a blinded independent review were consistent. The final analysis of OS did not reach statistical significance. Efficacy results are presented in Table 20 and Figures 4 and 5.

Table 20 Efficacy Results – SOLO-2 (Investigator Assessment)

	Lynparza tablets (n=196)	Placebo (n=99)
Progression-Free Survival		
Number of events (%)	107 (55%)	80 (81%)
Median, months	19.1	5.5
Hazard ratio* (95% CI)	0.30 (0.2	22, 0.41)
p-value [†]	<0.0	0001
Overall Survival		
Number of events (%)	116 (59)	65 (66)
Median, months	51.7	38.8
Hazard ratio* (95% CI)	0.74 (0.5	54, 1.00)
p-value [†]	0.0	537

^{*} Hazard ratio from a Cox proportional hazards model including response to last platinum chemotherapy (complete response versus partial response) and time to disease progression in the penultimate platinum-based chemotherapy prior to enrollment (6-12 month versus >12 months) as covariates.

Figure 4 Kaplan-Meier Curves of Investigator-Assessed Progression-Free Survival – SOLO-2

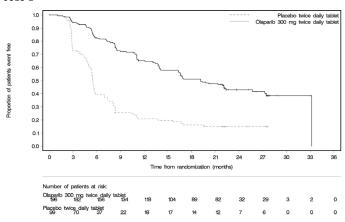
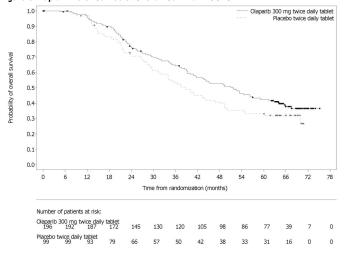


Figure 5 Kaplan-Meier Curves of Overall Survival - SOLO-2



[†] The p-value is derived from a stratified log-rank test.

14.4 Adjuvant Treatment of Germline BRCA-mutated HER2-negative High Risk Early **Breast Cancer**

The efficacy of Lynparza was evaluated in OlympiA (NCT02032823), a randomized (1:1), double-blind, placebo-controlled, international study in patients with gBRCAm HER2-negative high risk early breast cancer who had completed definitive local treatment and neoadjuvant or adjuvant chemotherapy. Patients were randomized to receive Lynparza tablets 300 mg orally twice daily or placebo. Treatment was continued for up to 1 year, or until disease recurrence, or unacceptable toxicity. Patients were required to have completed at least 6 cycles of neoadjuvant or adjuvant chemotherapy containing anthracyclines, taxanes or both. Prior platinum for previous cancer (e.g., ovarian) or as adjuvant or neoadjuvant treatment for breast cancer was allowed. Patients with high-risk early breast cancer were defined as follows:

patients who received prior neoadjuvant chemotherapy: patients with either triple negative breast cancer (TNBC) or hormone receptor positive breast cancer must have had residual invasive cancer in the breast and/or the resected lymph nodes (non-pathologic complete response) at the time of surgery. Additionally, patients with hormone receptor positive breast cancer must have had a score of ≥3 based on pre-treatment clinical and post-treatment pathologic stage (CPS), estrogen receptor (ER) status, and histologic grade as shown in Table 21.

Table 21 Early Breast Cancer Stage, Receptor Status, and Grade Scoring Requirements for Study Enrollment*

Stage/feature		Points	
Clinical Stage	I/IIA	0	
(pre-treatment)	IIB/IIIA	1	
	IIIB/IIIC	2	
Pathologic Stage (post-treatment)	0/I	0	
	IIA/IIB/IIIA/IIIB	1	
	IIIC	2	
Receptor status	ER positive	0	
	ER negative	1	
Nuclear grade	Nuclear grade 1-2	0	
	Nuclear grade 3	1	

^{*} Total score of ≥3 required for patients with hormone receptor positive breast cancer.

patients who received prior adjuvant chemotherapy: patients with TNBC must have had node positive disease or node negative disease with a ≥2cm primary tumor; patients with hormone receptor positive, HER2-negative breast cancer must have had ≥4 pathologically confirmed positive lymph nodes.

Randomization was stratified by hormone receptor status (hormone receptor positive versus triple negative), by prior neoadjuvant versus adjuvant chemotherapy, and by prior platinum use for breast cancer (yes versus no).

The major efficacy outcome measure was invasive disease free survival (IDFS), defined as the time from randomization to date of first recurrence, where recurrence is defined as invasive loco-regional, distant recurrence, contralateral invasive breast cancer, new cancer or death from any cause. An additional efficacy outcome measure was OS.

A total of 1836 patients were randomized, 921 to Lynparza and 915 to placebo. Demographic and baseline characteristics were well balanced between arms. The median age was 42 years. Sixty-seven percent (67%) of patients were White, 29% were Asian, and 3% were Black. Three percent (3%) of patients were Hispanic or Latino. Two patients (0.2%) in the Lynparza arm and four patients (0.4%) in the placebo arm were male. Sixty-one percent (61%) of patients were pre-menopausal. Eighty-nine percent (89%) of patients were ECOG performance status 0 and 11% ECOG PS 1. Eighty-two percent (82%) of patients had TNBC and 18% had hormone receptor-positive disease. Fifty percent (50%) of patients had received prior neoadjuvant and 50% received prior adjuvant chemotherapy. Ninety-four percent (94%) of patients received anthracycline and taxane chemotherapy. Twenty-six (26%) of patients overall had received prior platinum for breast cancer. Ninety percent (90%) of patients with hormone receptor positive breast cancer received concurrent endocrine therapy.

Patients enrolled based on local gBRCA test results provided a sample for retrospective confirmatory central testing with BRACAnalysis®. Out of 1836 patients enrolled into OlympiA, 1623 were confirmed as gBRCAm by Myriad BRACAnalysis®, either prospectively or retrospectively.

A statistically significant improvement in IDFS and OS was demonstrated in patients in the Lynparza arm compared with the placebo arm. Efficacy data for OlympiA (FAS) are presented in Table 22 and Figures 6 and 7.

Table 22 Efficacy Results - OlympiA

	Lynparza tablets (N=921)	Placebo (N=915)
Invasive Disease Free Survival (IDFS)*		
Number of events (%)	106 (12)	178 (20)
Hazard ratio (95% CI)†	0.58 (0.46, 0.74)	
p-value (2-sided) [‡]	< 0.0001	
3-year event-free rate, % (95% CI)§	86 (82.8, 88.4)	77 (73.7, 80.1)
Overall Survival ¹		
Number of events (%)	75 (8)	109 (12)
Hazard ratio (95% CI)†	0.68 (0.50, 0.91)	
p-value (2-sided) [‡]	0.0091	
3-year event-free rate, % (95% CI)§	93 (90.8, 94.4)	89 (86.7, 91)

^{*} Data from the pre-specified interim analysis (86% of the number of events for the planned final analysis).

Based on the stratified Cox's Proportional Hazards Model.

CI = confidence interval

Figure 6 Kaplan-Meier Curves of IDFS - OlympiA

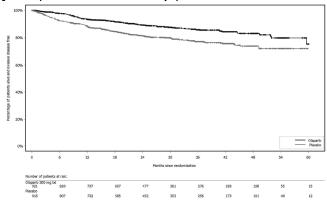
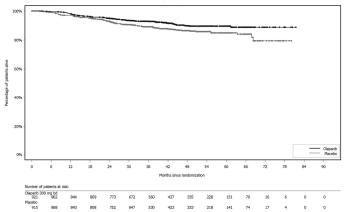


Figure 7 Kaplan-Meier Curves of OS - OlympiA



p-value from a stratified log-rank test. Compared with the allocated alpha of 0.005 for IDFS and 0.015 for OS.

Percentage are calculated using Kaplan-Meier estimates.
 Data from the pre-specified second interim analysis of OS (at ~330 IDFS events).

14.5 Treatment of Germline BRCA-mutated HER2-negative Metastatic Breast Cancer

The efficacy of Lynparza was evaluated in OlympiAD (NCT02000622), an open-label randomized (2:1) study in patients with a BRCAm HER2-negative metastatic breast cancer. Patients were required to have received treatment with an anthracycline (unless contraindicated) and a taxane, in the neoadiuvant, adjuvant or metastatic setting. Patients with hormone receptor-positive disease must have progressed on at least 1 endocrine therapy (adjuvant or metastatic), or have disease that the treating healthcare provider believed to be inappropriate for endocrine therapy. Patients with prior platinum therapy were required to have no evidence of disease progress during platinum treatment. No prior treatment with a PARP inhibitor was permitted. Patients were randomized to Lynparza tablets 300 mg orally twice daily or healthcare provider's choice of chemotherapy (capecitabine, eribulin, or vinorelbine, at standard doses) until progression or unacceptable toxicity. Randomization was stratified by prior use of chemotherapy for metastatic disease (yes vs no), hormone receptor status (hormone receptor positive vs triple negative), and previous use of platinum-based chemotherapy (yes vs no). The major efficacy outcome measure was PFS assessed by blinded independent central review (BICR) using RECIST version 1.1.

A total of 302 patients were randomized, 205 to Lynparza and 97 to chemotherapy. Among the 205 patients treated with Lynparza, the median age was 44 years (range: 22 to 76), 65% were White, 4% were males and all the patients had an ECOG PS of 0 or 1. Approximately 50% of patients had triple-negative tumors and 50% had estrogen receptor and/or progesterone receptor positive tumors and the proportions were balanced across treatment arms. Patients in each treatment arm had received a median of 1 prior chemotherapy regimen for metastatic disease; approximately 30% had not received a prior chemotherapy regimen for metastatic breast cancer. Twenty-one percent of patients in the Lynparza arm and 14% in the chemotherapy arm had received platinum therapy for metastatic disease. Seven percent of patients in each treatment arm had received platinum therapy for localized disease.

Of the 302 patients randomized onto OlympiAD, 299 were tested with the BRACAnalysis CDx® and 297 were confirmed to have deleterious or suspected deleterious g*BRCA*m status; 202 were randomized to the Lynparza arm and 95 to the healthcare provider's choice of chemotherapy arm.

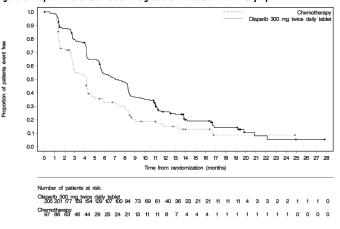
A statistically significant improvement in PFS was demonstrated for the Lynparza arm compared to the chemotherapy arm. Efficacy data for OlympiAD are displayed in Table 23 and Figure 8. Consistent results were observed across patient subgroups defined by study stratification factors. An exploratory analysis of investigator-assessed PFS was consistent with the BICR-assessed PFS results.

Table 23 Efficacy Results - OlympiAD (BICR-assessed)

	Lynparza tablets (n=205)	Chemotherapy (n=97)
Progression-Free Survival		
Number of events (%)	163 (80%)	71 (73%)
Median, months	7.0	4.2
Hazard ratio (95% CI)*	0.58 (0.43, 0.80)	
p-value [†]	0.0009	
Patients with Measurable Disease	n=167	n=66
Objective Response Rate (95% CI) [‡]	52% (44, 60)	23% (13, 35)
Overall Survival		
Number of events (%)	130 (63%)	62 (64%)
Median, months	19.3	17.1
Hazard ratio (95% CI)*	0.90 (0.66, 1.23)	

^{*} Hazard ratio is derived from a stratified log-rank test, stratified by ER, PgR negative versus ER and or PgR positive and prior chemotherapy (yes versus no).

Figure 8 Kaplan-Meier Curves of Progression-Free Survival - OlympiAD



14.6 First-Line Maintenance Treatment of Germline *BRCA*-mutated Metastatic Pancreatic Adenocarcinoma

The efficacy of Lynparza was evaluated in POLO (NCT02184195), a randomized (3:2), double-blind placebo-controlled, multi-center trial. Patients were required to have metastatic pancreatic adenocarcinoma with a deleterious or suspected deleterious germline BRCA mutation (gBRCAm) and absence of disease progression after receipt of first-line platinum-based chemotherapy for at least 16 weeks. Patients were randomized to receive Lynparza tablets 300 mg orally twice daily or placebo until disease progression or unacceptable toxicity. The major efficacy outcome measure was PFS by BICR using RECIST, version 1.1 modified to assess patients with clinical complete response at entry who were assessed as having no evidence of disease unless they had progressed based on the appearance of new lesions. Additional efficacy outcome measures were OS and ORR.

A total of 154 patients were randomized, 92 to Lynparza and 62 to placebo. The median age was 57 years (range 36 to 84); 54% were male; 92% were White, 4% were Asian, and 3% were Black; baseline ECOG PS was 0 (67%) or 1 (31%). The median time from initiation of first-line platinum-based chemotherapy to randomization was 5.8 months (range 3.4 to 33.4 months). Seventy-five percent (75%) of patients received FOLFIRINOX with a median of 9 cycles (range 4-61), 8% received FOLFOX or XELOX, 4% received GEMOX, and 3% received gemcitabine plus cisplatin; 49% achieved a complete or partial response to platinum-based chemotherapy.

All patients had a deleterious or suspected deleterious germline *BRCA*-mutation as detected by the Myriad BRAC*Analysis*® or BRACAnalysis CDx® at a central laboratory only (n=106), local *BRCA* test only (n=4), or both local and central testing (n=44). Among the 150 patients with central test results, 30% had a mutation in *BRCA1*; 69% had a mutation in *BRCA2*; and 1 patient (1%) had mutations in both *BRCA1* and *BRCA2*.

POLO demonstrated a statistically significant improvement in BICR-assessed PFS in patients randomized to Lynparza as compared with placebo. The final analysis of OS did not reach statistical significance. Efficacy results of POLO are provided in Table 24 and Figure 9.

Table 24 Efficacy Results - POLO (BICR-assessed)

	Lynparza tablets (n=92)	Placebo (n=62)
Progression-Free Survival		
Number of events (%)*	60 (65)	44 (71)
Median, months (95% CI)	7.4 (4.1, 11.0)	3.8 (3.5, 4.9)
Hazard ratio† (95% CI)	0.53 (0.35, 0.81)	
p-value	0.0035	
Overall Survival		
Number of events (%)	61 (66)	47 (76)
Median, months (95% CI)	19.0 (15.3, 26.3)	19.2 (14.3, 26.1)
Hazard ratio† (95% CI)	0.83 (0.56, 1.22)	
p-value	0.3487	
Patients with Measurable Disease	n=78	n=52
Objective Response Rate (95% CI)	23% (14, 34)	12% (4, 23)
Complete response (%)	2 (2.6)	0
Partial response (%)	16 (21)	6 (12)
Duration of Response (DOR)		
Median time in months (95% CI)	25 (15, NC)	4 (2, NC)

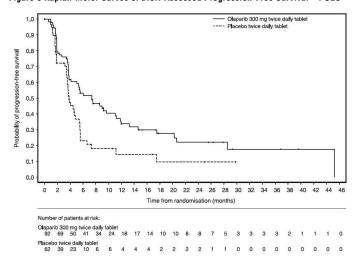
^{*}Number of events: Progression – Lynparza 55, placebo 44; death before BICR-documented progression – Lynparza 5, placebo 0.

For PFS, p-value (2-sided) was compared to 0.05.

[‡] Response based on confirmed responses. The confirmed complete response rate was 7.8% for Lynparza compared to 1.5% for chemotherapy arm.

[†] Hazard ratio, 95% Cl, and p-value calculated from a log-rank test. A hazard ratio <1 favors Lynparza. NC Not calculable.

Figure 9 Kaplan-Meier Curves of BICR-Assessed Progression-Free Survival - POLO



14.7 HRR Gene-mutated Metastatic Castration-Resistant Prostate Cancer

The efficacy of Lynparza was evaluated in PROfound (NCT02987543), randomized, open-label, multi-center trial that evaluated the efficacy of Lynparza 300 mg twice daily versus a comparator arm of investigator's choice of enzalutamide or abiraterone acetate in men with metastatic castration-resistant prostate cancer (mCRPC). All patients received a GnRH analog or had prior bilateral orchiectomy. Patients needed to have progressed on prior enzalutamide or abiraterone for the treatment of metastatic prostate cancer and/or CRPC and have a tumor mutation in one of 15 genes involved in the homologous recombination repair (HRR) pathway.

Patients were divided into two cohorts based on HRR gene mutation status. Patients with mutations in either BRCA1, BRCA2, or ATM were randomized in Cohort A; patients with mutations among 12 other genes involved in the HRR pathway (BARD1, BRIP1, CDK12, CHEK1, CHEK2, FANCL, PALB2, PPP2R2A, RAD51B, RAD51C, RAD51D, or RAD54L) were randomized in Cohort B; patients with co-mutations (BRCA1, BRCA2, or ATM plus a Cohort B gene) were assigned to Cohort A. Although patients with PPP2R2A gene mutations were enrolled in the trial, Lynparza is not indicated for the treatment of patients with this gene mutation due to unfavorable risk-benefit. Patients were randomized (2:1), 256 to Lynparza arm and 131 to enzalutamide or abiraterone acetate arm; in Cohort A there were 245 (162 Lynparza arm and 83 in enzalutamide or abiraterone acetate arm) and in Cohort B there were 142 patients (94 in Lynparza arm and 48 in enzalutamide or abiraterone acetate arm). Randomization was stratified by prior receipt of taxane chemotherapy and presence of measurable disease by RECIST 1.1. Treatment was continued until objective radiological disease progression determined by BICR. Upon radiological progression confirmed by BICR, patients randomized to enzalutamide or abiraterone acetate were given the option to switch to Lynparza. Patients with HRR gene mutations were identified by tissue-based testing using the Foundation Medicine FoundationOne® clinical trial HRR assay performed at a central laboratory.

Determination of deleterious or suspected deleterious somatic or germline HRR mutation status in line with the FDA-approved mutation classification and testing criteria for the Foundation Medicine F1CDx tissue-based assay and assessment of the germline-BRCA status using the Myriad BRACAnalysis CDx blood-based assay was performed retrospectively. Representation of individual gene mutations by cohort is provided in Table 25. No patients were enrolled who had mutations in two of the 15 pre-specified HRR genes: FANCL and RAD51C.

Table 25 Frequency of Patients with HRR Mutations Enrolled in PROfound

HRR Mutation	Cohort A N=245 n (%)	Cohort B* N=142 n (%)
Single mutation	224 (91)	135 (95)
BRCA2	127 (52)	1 (<1)
ATM	84 (34)	2 (1)
BRCA1	13 (5)	0
CDK12	0	89 (63)
CHEK2	0	12 (8)
PPP2R2A [†]	0	10 (7)
RAD51B	0	5 (4)
RAD54L	0	5 (4)
PALB2	0	4 (3)
BRIP1	0	3 (2)
CHEK1	0	2 (1)
BARD1	0	1 (<1)
RAD51D	0	1 (<1)
Co-occurring mutation [‡]	21 (9)	7 (5)

Three patients with single BRCA2 or ATM gene mutations and 1 patient with co-occurring BRCA2+CDK12 gene mutations were incorrectly assigned to Cohort B. Lynparza is not indicated for patients with PPP2R2A mutations.

In Cohort A+B, the median age was 69 years (range: 47 to 91 years) in both arms; 69% were White, 29% were Asian, and 1% were Black. The ECOG performance score was 0 or 1 in most patients (95%) in both arms. In patients treated with Lynparza, the proportion of patients with RECIST 1.1 measurable disease at baseline was 58%, including 17% with lung and 10% with liver metastases, respectively. At randomization, 66% of patients had received prior taxane chemotherapy, 40% had received enzalutamide, 38% had received abiraterone acetate, and 20% had received both enzalutamide and abiraterone acetate. Patient characteristics were well-balanced between arms.

The major efficacy outcome of the study was radiological progression-free survival (rPFS) (Cohort A) as determined by BICR using RECIST version 1.1 and Prostate Cancer Clinical Trials Working Group 3 (PCWG3) (bone) criteria. Additional efficacy outcomes included confirmed objective response rate (ORR) (Cohort A), rPFS (combined Cohorts A+B) as assessed by BICR, and overall survival (OS) (Cohort A).

PROfound demonstrated a statistically significant improvement in BICR-assessed rPFS for Lynparza compared to investigator's choice of enzalutamide or abiraterone acetate in Cohort A and Cohort A+B. In an exploratory analysis for patients in Cohort B, the median rPFS was 4.8 months for Lynparza vs 3.3 months for comparator with a HR of 0.88 (95% Cl 0.58, 1.36). The major efficacy outcome was supported by a statistically significant improvement in ORR by BICR for patients with measurable disease at baseline in Cohort A. In Cohort B. ORR by BICR was 3.7% (95% CI 0.5, 12.7) in Lynparza treated patients and 8.3% (95% CI 1.0, 27.0) in patients treated with enzalutamide or abiraterone acetate.

The final analysis of overall survival (OS) demonstrated a statistically significant improvement in OS in patients randomized to Lynparza compared to patients in the enzalutamide or abiraterone acetate arm in Cohort A.

Efficacy results of PROfound are provided in Tables 26 and 27 and Figures 10 and 11.

Patients with co-occurring mutations (*BRCA1*, *BRCA2*, or *ATM* plus a Cohort B gene) were assigned

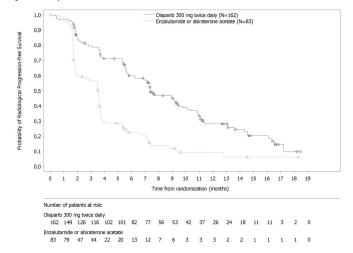
Table 26 Efficacy Results - PROfound (BICR-assessed)

	Cohort A		Cohort A+B*	
	Lynparza tablets (n=162)	Enzalutamide or Abiraterone acetate (n=83)	Lynparza tablets (n=256)	Enzalutamide or Abiraterone acetate (n=131)
Radiological Progression-Free Survival (rPFS)				
Number of events (%)	106 (65)	68 (82)	180 (70)	99 (76)
Median (95% CI), in months	7.4 (6.2, 9.3)	3.6 (1.9, 3.7)	5.8 (5.5, 7.4)	3.5 (2.2, 3.7)
Hazard ratio (95% CI)†	0.34 (0	.25, 0.47)	0.49 (0	.38, 0.63)
p-value [‡]	<0	.0001	<0	.0001
Confirmed ORR				
Patients with measurable disease at baseline	n=84	n=43	-	-
ORR, n (%)	28 (33)	1 (2)	-	-
(95% CI)	(23, 45)	(0, 12)	-	-
p-value	<0.0001			-
Overall Survival	n=162	n=83	-	-
Number of events (%)	91 (56)	57 (69)	-	-
Median (95% CI), in months	19.1 (17.4, 23.4)	14.7 (11.9, 18.8)	-	-
Hazard ratio (95% CI)†	0.69 (0.50, 0.97)			-
p-value [‡]	0.0175			-

^{*} Although 10 patients with *PPP2R2A* mutation were included in all analyses of Cohort A+B, Lynparza is not indicated for this population due to unfavorable risk-benefit.

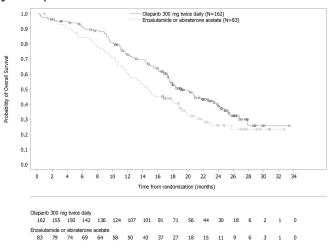
CI Confidence interval.

Figure 10 Kaplan-Meier Curves of BICR-Assessed rPFS - PROfound - Cohort A



Consistent results were observed in exploratory analyses of rPFS for patients who received or did not receive prior taxane therapy and for those with germline-BRCA mutations identified using the Myriad BRACAnalysis CDx assay compared with those with BRCA mutations identified using the Foundation Medicine F1CDx assay.

Figure 11 Kaplan-Meier Curves of Overall Survival – PROfound – Cohort A



Response data by HRR mutations for patients in the Lynparza arm are presented in Table 27. In the comparator arm of Cohorts A and B, a total of three patients achieved a partial response, including one patient with an *ATM* mutation alone and 2 patients with co-occurring mutations (one with *PALB2+PPP2R2A* and one with *CDK12+PALB2*).

Table 27 Response Rate and Duration of Response by HRR Mutation in Patients with Measurable Disease at Baseline on the Lynparza Arm – PROfound (BICR-assessed)

HRR mutation*	Patients	Confirme	Confirmed ORR†	
	(N=138)	n (%)	95% CI	
Single mutation				
BRCA2	43	24 (56)	(40, 71)	
ATM	30	3 (10)	(2, 27)	
CDK12	34	2 (6)	(1, 20)	
BRCA1	6	SD, PD (4), NE	NA	
CHEK2	4	SD (2), PD (2)	NA	
BRIP1	2	SD, PD	NA	
PALB2	2	SD, PD	NA	
CHEK1	1	PD	NA	
RAD51B	1	SD	NA	
RAD51D	1	PD	NA	
RAD54L	1	SD	NA	
Co-occurring mutations				
BRCA2/CDK12	2	PR, SD	NA	
BRCA2/ATM	2	SD, SD	NA	
BRCA2/BARD1	1	PD	NA	
BRCA2/CHEK2	1	SD	NA	
CDK12/CHEK1	1	SD	NA	
CDK12/PALB2	1	PD	NA	
BRCA2/CDK12/CHEK2	1	PD	NA	
BRCA2/CHEK2/RAD51D	1	SD	NA	

^{*} No patients with FANCL or RAD51C enrolled. Three patients with PPP2R2A mutations had measurable disease, however, Lynparza is not indicated for patients with PPP2R2A mutation.

14.8 Treatment of *BRCA*-mutated Metastatic Castration-Resistant Prostate Cancer in Combination with Abiraterone and Prednisone or Prednisolone

The efficacy of Lynparza in the treatment of patients with mCRPC was investigated in PROpel (NCT03732820), a randomized, double-blind, placebo-controlled, multi-center study that compared the efficacy of Lynparza in combination with abiraterone with placebo plus abiraterone for patients with mCRPC. Patients (n=796) were randomized (1:1) to receive Lynparza tablets 300 mg orally twice daily in combination with abiraterone 1000 mg daily (n=399) compared with placebo plus abiraterone (n=397). All patients received either prednisone or prednisolone 5 mg twice daily, and a GnRH analog or prior bilateral orchiectomy. Patients with prior treatment with abiraterone were excluded. Prior docetaxel for localized or metastatic hormone-sensitive prostate cancer (mHSPC) was allowed. Randomization was stratified by metastases (bone only, visceral, or other) and docetaxel treatment at mHSPC stage (yes or no). Lynparza treatment was continued until objective radiological disease progression determined by investigator or unacceptable toxicity.

[†] The HR and CI were calculated using a Cox proportional hazards model adjusted for prior taxane use and measurable disease. An HR <1 favors Lynparza 300 mg taken orally twice daily.

[‡] The analysis was performed using the log-rank test stratified by prior taxane use and measurable disease

[†] In patients with a single *BRCA2* mutation the median duration of response in the Lynparza arm (n=24) was 5.6 months (95% C.I: 5.5, 9.2). In the 3 responders with a single *ATM* mutation in the Lynparza arm, the duration of response ranged from 5.8+ to 9.0 months. In the 2 responders with a single *CDK12* mutation in the Lynparza arm, the duration of response was 3.7 and 7.2 months. + denotes ongoing response.

PR Partial response, SD Stable disease; PD Progressive disease; NE Not evaluable; NA Not applicable due to small numbers or lack of response.

BRCA gene mutation (BRCAm) status was assessed after randomization and before primary analysis by both NGS-based tumor tissue and ctDNA tests. BRCAm classification criteria in line with the FDA approved assays were used to determine the deleterious and suspected deleterious somatic or germline mutation status of patients.

The major efficacy outcome measure was investigator-assessed rPFS evaluated according to RECIST, version 1.1 and Prostate Cancer Working Group (PCWG3) (bone) criteria. Overall survival (OS) was an additional efficacy outcome measure.

Of the 796 patients tested, 85 (11%) had *BRCA*m determined by either a positive ctDNA test (9%) or a tumor tissue test (6%). Among these 85 patients, the median age was 68 years (range 43 to 85), and 67% were 65 years or older; 72% were White, 22% Asian, and 2% Black or African American; 66% had ECOG performance status (PS) 0 and 34% had ECOG PS 1; 25% had prior docetaxel treatment for mHSPC; 53% had bone-only metastases, 15% had visceral metastases, and 32% had other metastases.

A statistically significant improvement in rPFS for Lynparza/abiraterone compared to placebo/abiraterone was observed in the intention to treat (ITT) population. In an exploratory analysis in the subgroup of 711 patients without an identified *BRCA*m, the rPFS hazard ratio was 0.77 (95% CI: 0.63, 0.96) and the OS hazard ratio was 0.92 (95% CI: 0.74, 1.14), indicating that the improvement in the ITT population was primarily attributed to the results seen in the subgroup of patients with *BRCA*m.

Results of an exploratory analysis in the subgroup of 85 patients on PROpel with *BRCA*m are summarized in Table 28 and Figure 12 and 13.

Results from the BICR assessment were consistent with the investigator-assessed rPFS results.

Table 28 Efficacy Results – PROpel (Patients with BRCAm)

Table 20 Lineary nesults - Proper (Patients with Ditemit)				
	Lynparza/abiraterone N = 47	Placebo/abiraterone N = 38		
Radiological Progression-Free Survival (rPFS)*				
Events, n (%)	14 (30)	28 (74)		
Median (95% CI), months	NR (NR, NR)	8 (6, 15)		
Hazard ratio (95% CI)†	0.24 (0.12, 0.45)			
Overall Survival (OS)				
Events, n (%)	13 (28)	25 (66)		
Median (95% CI), months	NR (NR, NR)	23 (18, 34)		
Hazard ratio (95% CI)†	0.30 (0.15, 0.59)			

^{*} Investigator-assessed.

Figure 12 Kaplan-Meier Curves of rPFS – PROpel (Patients with *BRCA*m, Investigator Assessment)

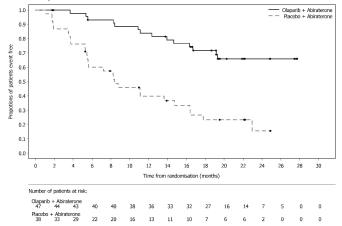
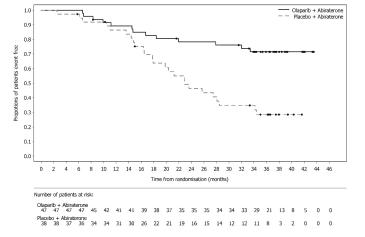


Figure 13 Kaplan-Meier Curves of OS - PROpel (Patients with BRCAm)



16 HOW SUPPLIED/STORAGE AND HANDLING

Lynparza is available as 150 mg and 100 mg tablets.

- 150 mg tablets: green to green/grey, oval, bi-convex, film-coated tablet, with debossment 'OP150' on one side and plain on the reverse, are available in:
 - Bottles of 60 tablets (NDC 0310-0679-60) and
 - o Bottles of 120 tablets (NDC 0310-0679-12).
- 100 mg tablets: yellow to dark yellow, oval, bi-convex, film-coated tablet, with debossment 'OP100' on one side and plain on the reverse, are available in:
 - o Bottles of 60 tablets (NDC 0310-0668-60) and
 - o Bottles of 120 tablets (NDC 0310-0668-12).

Store at 20°C to 25°C (68°F to 77°F), excursions permitted to 15°C to 30°C (59°F to 86°F) [see USP Controlled Room Temperature]. Store in original bottle to protect from moisture.

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Medication Guide).

MDS/AML

Advise patients to contact their healthcare provider if they experience weakness, feeling tired, fever, weight loss, frequent infections, bruising, bleeding easily, breathlessness, blood in urine or stool, and/or laboratory findings of low blood cell counts, or a need for blood transfusions. This may be a sign of hematological toxicity or a more serious uncommon bone marrow problem called 'myelodysplastic syndrome' (MDS) or 'acute myeloid leukemia' (AML) which have been reported in patients treated with Lynparza [see Warnings and Precautions (5.1)].

Pneumonitis

Advise patients to contact their healthcare provider if they experience any new or worsening respiratory symptoms including shortness of breath, fever, cough, or wheezing [see Warnings and Precautions (5.2)].

Venous Thromboembolism

Advise patients to immediately report any signs or symptoms of thromboembolism such as pain or swelling in an extremity, shortness of breath, chest pain, tachypnea, and tachycardia [see Warnings and Precautions (5.3)].

Hepatotoxicity, Including Drug-Induced Liver Injury

Inform patients that liver problems, including drug-induced liver injury and abnormalities in liver tests, may develop during Lynparza treatment. Advise patients to contact their healthcare provider immediately if they experience abdominal discomfort, dark urine, or jaundice [see Warnings and Precautions (5.4)].

Embryo-Fetal Toxicity

Inform pregnant women of the risk to a fetus and potential loss of the pregnancy. Advise females to inform their healthcare provider of known or suspected pregnancy [see Use in Specific Populations (8.1)].

Advise females of reproductive potential to use effective contraception during treatment with Lynparza and for 6 months after the last dose [see Use in Specific Populations (8.3)].

Advise male patients with female partners of reproductive potential or who are pregnant to use effective contraception during treatment and for 3 months after receiving the last dose of Lynparza. Advise male patients not to donate sperm during therapy and for 3 months following the last dose of Lynparza [see Warnings and Precautions (5.5) and Use in Specific Populations (8.3)].

Lactation

Advise patients not to breastfeed while taking Lynparza and for one month after receiving the last dose [see Use in Specific Populations (8.2)].

Drug Interactions

Advise patients and caregivers to inform their healthcare provider of all concomitant medications, including prescription medicines, over-the-counter drugs, vitamins, and herbal products. Inform patients to avoid grapefruit, grapefruit juice, Seville oranges, and Seville orange juice while taking Lynparza [see Drug Interactions (7.2)].

Nausea/Vomiting

Advise patients that mild or moderate nausea and/or vomiting is very common in patients receiving Lynparza and that they should contact their healthcare provider who will advise on available antiemetic treatment options [see Adverse Reactions (6.1)].

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7/25 US-102174 7/25

NR: Not reached

[†] Calculated using an unstratified univariable Cox proportional hazards model.

Medication Guide Lynparza® (Lin-par-zah) (olaparib) tablets

What is the most important information I should know about Lynparza?

Lynparza may cause serious side effects, including:

Bone marrow problems called Myelodysplastic Syndrome (MDS) or Acute Myeloid Leukemia (AML). Some people
who have received previous treatment with chemotherapy, radiotherapy or certain other medicines for their cancer have
developed MDS or AML during treatment with Lynparza. MDS or AML may lead to death.

Symptoms of low blood cell counts are common during treatment with Lynparza, but can be a sign of serious bone marrow problems, including MDS or AML. Symptoms may include:

weakness

weight loss

fever

frequent infections

blood in urine or stool

o shortness of breath

feeling very tired

bruising or bleeding more easily

Your healthcare provider will do blood tests to check your blood cell counts:

- before treatment with Lynparza
- every month during treatment with Lynparza
- weekly if you have low blood cell counts that last a long time.
- **Lung problems (Pneumonitis).** Lynparza can cause serious lung problems that can lead to death. Tell your healthcare provider if you have any new or worsening symptoms of lung problems, including shortness of breath, fever, cough, or wheezing. Your healthcare provider may do a chest x-ray if you have any of these symptoms.
- **Blood clots (Venous Thromboembolism, [VTE]).** Some people may develop a blood clot in a deep vein, usually in the leg (venous thrombosis), or a clot in the lungs (pulmonary embolism, [PE]) which may be severe or lead to death. Tell your healthcare provider right away if you have any symptoms such as pain or swelling in an extremity, shortness of breath, chest pain, breathing that is more rapid than normal (tachypnea), or heart beats faster than normal (tachycardia). Your healthcare provider will monitor you for these symptoms and may prescribe blood thinner medicine.
- **Liver problems, including Drug-Induced Liver Injury (DILI).** People taking Lynparza may develop liver problems which may be severe and can lead to death. Your healthcare provider should do blood tests before and during your treatment with Lynparza. Tell your healthcare provider right away if you notice discomfort on the right side of your stomach-area (abdominal), dark or "tea-colored" urine, or yellowing of your skin or the whites of your eyes (jaundice).

Your healthcare provide may change your dose, temporarily stop, or permanently stop treatment with Lynparza if you get certain side effects.

See "What are the possible side effects of LYNPARZA?" for more information about side effects.

What is Lynparza?

Lynparza is a prescription medicine used to treat adults who have:

- ovarian, fallopian tube, or primary peritoneal cancer:
 - that is advanced and has a certain type of inherited (germline) or acquired (somatic) abnormal BRCA gene.
 Lynparza is used as maintenance treatment after the cancer has responded to your first treatment with platinum-based chemotherapy.
 - o in combination with another anti-cancer medicine called bevacizumab when your cancer is advanced and homologous recombination deficiency (HRD) positive, which is identified by a certain type of abnormal *BRCA* gene or a positive laboratory tumor test for genomic instability. Lynparza is used as maintenance treatment after the cancer has responded to your first treatment with platinum-based chemotherapy.
 - that has come back and has a certain type of inherited or acquired abnormal *BRCA* gene. Lynparza is used as maintenance treatment after the cancer has responded to treatment with platinum-based chemotherapy.
- human epidermal growth factor receptor 2 (HER2)-negative breast cancer with a certain type of inherited abnormal *BRCA* gene:
 - with a high risk of recurrence. Lynparza is given after surgery (treatment after surgery is called adjuvant therapy). You should have received chemotherapy medicines before or after surgery to remove the tumor.
 - that has spread to other parts of the body (metastatic). You should have received chemotherapy medicines, either before or after your cancer has spread. If you have hormone receptor (HR)-positive breast cancer, you should have either already received hormonal therapy or hormonal therapy is not the right treatment for you.
- pancreatic cancer (adenocarcinoma) that has spread to other parts of the body and has a certain type of abnormal inherited BRCA gene. Lynparza is used as maintenance treatment after your cancer has not progressed on at least 16 weeks of your first treatment with platinum-based chemotherapy.
- metastatic castration-resistant prostate cancer (mCRPC):
 - with a certain type of inherited or acquired abnormal homologous recombination repair (HRR) genes. Lynparza is used when the cancer has spread to other parts of the body and no longer responds to a medical or surgical treatment that lowers testosterone and has progressed after treatment with other anti-cancer medicines called enzalutamide or abiraterone.
 - with a certain type of abnormal *BRCA* gene, and the cancer has spread to other parts of the body and no longer responds to a medical or surgical treatment that lowers testosterone. Lynparza is used in combination with another anti-cancer medicine, abiraterone, together with the steroid medicine prednisone or prednisolone.

Your healthcare provider will perform a test to make sure that Lynparza is right for you.

It is not known if Lynparza is safe and effective in children.

Before taking Lynparza, tell your healthcare provider about all of your medical conditions, including if you:

- have lung or breathing problems
- have kidney problems
- are pregnant, become pregnant, or plan to become pregnant. Lynparza can harm your unborn baby and may cause loss
 of pregnancy (miscarriage).

Females who are able to become pregnant:

- Your healthcare provider may do a pregnancy test before you start treatment with Lynparza.
- You should use effective birth control (contraception) during treatment with Lynparza and for 6 months after the last dose of Lynparza. Talk to your healthcare provider about birth control methods that may be right for you.
- Tell your healthcare provider right away if you become pregnant or think you might be pregnant following treatment with Lynparza.

Males with female partners who are pregnant or able to become pregnant:

- You should use effective contraception during treatment with Lynparza and for 3 months after the last dose of Lynparza.
- Do not donate sperm during treatment with Lynparza and for 3 months after your last dose.
- are breastfeeding or plan to breastfeed. It is not known if Lynparza passes into your breast milk. Do not breastfeed during treatment with Lynparza and for 1 month after receiving the last dose of Lynparza. Talk to your healthcare provider about the best way to feed your baby during this time.

Tell your healthcare provider about all the medicines you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements. Taking Lynparza and certain other medicines may affect how Lynparza works and may cause side effects.

How should I take Lynparza?

- Take Lynparza tablets exactly as your healthcare provider tells you.
- Your healthcare provider will decide how long you stay on treatment.
- Do not change your dose or stop taking Lynparza unless your healthcare provider tells you to.
- Take Lynparza by mouth 2 times a day, with or without food.
- Each dose should be taken about 12 hours apart.
- Swallow Lynparza tablets whole. Do not chew, crush, dissolve, or divide the tablets.
- If you are taking Lynparza for early breast cancer and you have HR-positive disease, you should continue to take hormonal therapy during your treatment with Lynparza.
- If you are taking Lynparza for prostate cancer and you are receiving gonadotropin-releasing hormone (GnRH) analog therapy, you should continue with this treatment during your treatment with Lynparza unless you have had a surgery to remove both of your testicles (surgical castration) to lower the amount of testosterone in your body.
- If you miss a dose of Lynparza, take your next dose at your usual scheduled time. Do not take an extra dose to make up for a missed dose.
- If you take too much Lynparza, call your healthcare provider or go to the nearest hospital emergency room right away.

What should I avoid while taking Lynparza?

Avoid grapefruit, grapefruit juice, Seville oranges and Seville orange juice during treatment with Lynparza since they may increase the level of Lynparza in your blood.

What are the possible side effects of Lynparza?

Lynparza may cause serious side effects.

• See "What is the most important information I should know about Lynparza?"

The most common side effects of Lynparza when used alone are:

- tiredness or weakness
- low red blood cell counts
- diarrhea
- loss of appetite
- headache
- changes in the way food tastes

- cough
- low white blood cell counts
- shortness of breath
- dizziness
- indigestion or heartburn
- low platelet counts

The most common side effects of Lynparza when used in combination with bevacizumab are:

- tiredness or weakness
- low red blood cell counts
- diarrhea

- low white blood cell counts
 - urinary tract infection
- headache

The most common side effects of Lynparza when used in combination with abiraterone and prednisone or prednisolone are:

- low red blood cell counts
- tiredness or weakness
- diarrhea
- loss of appetite

- low white blood cell counts
- dizziness
- stomach-area (abdominal) pain

Nausea or vomiting is common during treatment with Lynparza. Tell your healthcare provider if you get nausea or vomiting. Your healthcare provider may prescribe medicines to treat these symptoms.

These are not all of the possible side effects of Lynparza.

Call your healthcare provider for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store Lynparza?

- Store Lynparza at room temperature, between 68°F to 77°F (20°C to 25°C).
- Store Lynparza in the original bottle to protect it from moisture.

Keep Lynparza and all medicines out of reach of children.

General information about the safe and effective use of Lynparza.

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use Lynparza for a condition for which it was not prescribed. Do not give Lynparza to other people, even if they have the same symptoms that you have. It may harm them.

You can ask your pharmacist or healthcare provider for information about Lynparza that is written for health professionals

What are the ingredients in Lynparza?

Active ingredient: olaparib

Inactive ingredients:

Tablet contains: copovidone, mannitol, colloidal silicon dioxide and sodium stearyl fumarate

Tablet coating contains: hypromellose, polyethylene glycol 400, titanium dioxide, ferric oxide yellow and ferrosoferric oxide (150 mg tablet only)

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For more information, call 1-800-236-9933 or go to www.Lynparza.com.

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