

Maintenance therapy in newly diagnosed ovarian cancer

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There remains a significant unmet need for newly diagnosed ovarian cancer¹



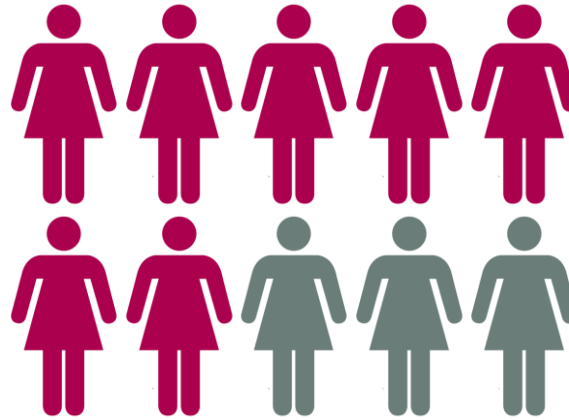
Platinum-based
chemotherapy



Bevacizumab

10-18 months

Median progression-free
survival^{2,3,4}



~70%

of women relapse within 3
years of first line treatment¹



38%

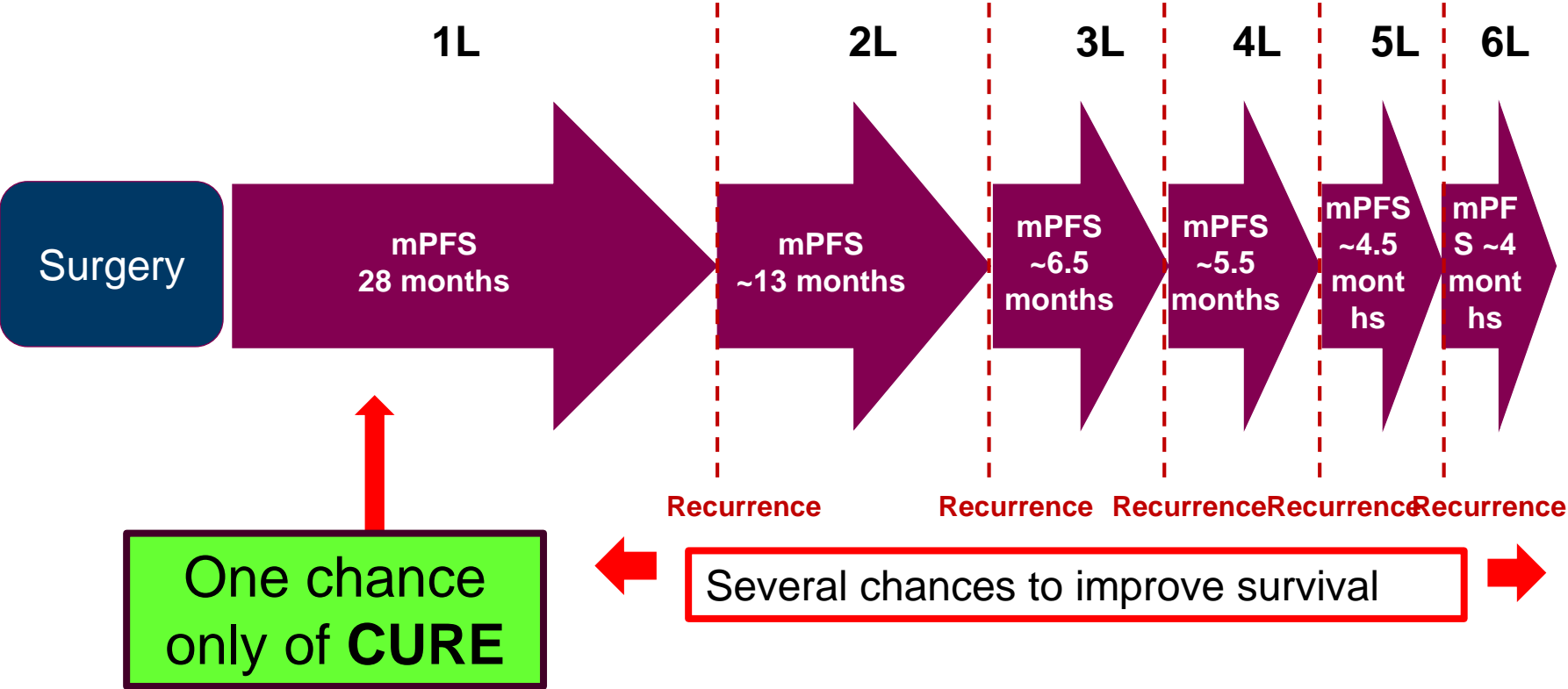
5-year survival rate⁵

There is a significant need for better frontline treatment to improve
outcomes for women with ovarian cancer¹⁻⁵

1. Ledermann, J. A. et al. Ann. Oncol. Off. J. Eur. Soc. Med. Oncol. 24 Suppl 6, vi24-32 (2013) 2. Bookman, M. A. et al. J. Clin. Oncol. 27, 1419-1425 (2009); 3. Burger, R. A. et al. N. Engl. J. Med. 365, 2473-2483 (2011); 4. Perren, T. J. et al. N. Engl. J. Med. 365, 2484-2496 (2011); 5. de Angelis R et al. Lancet Oncol 2014;15:23-34.

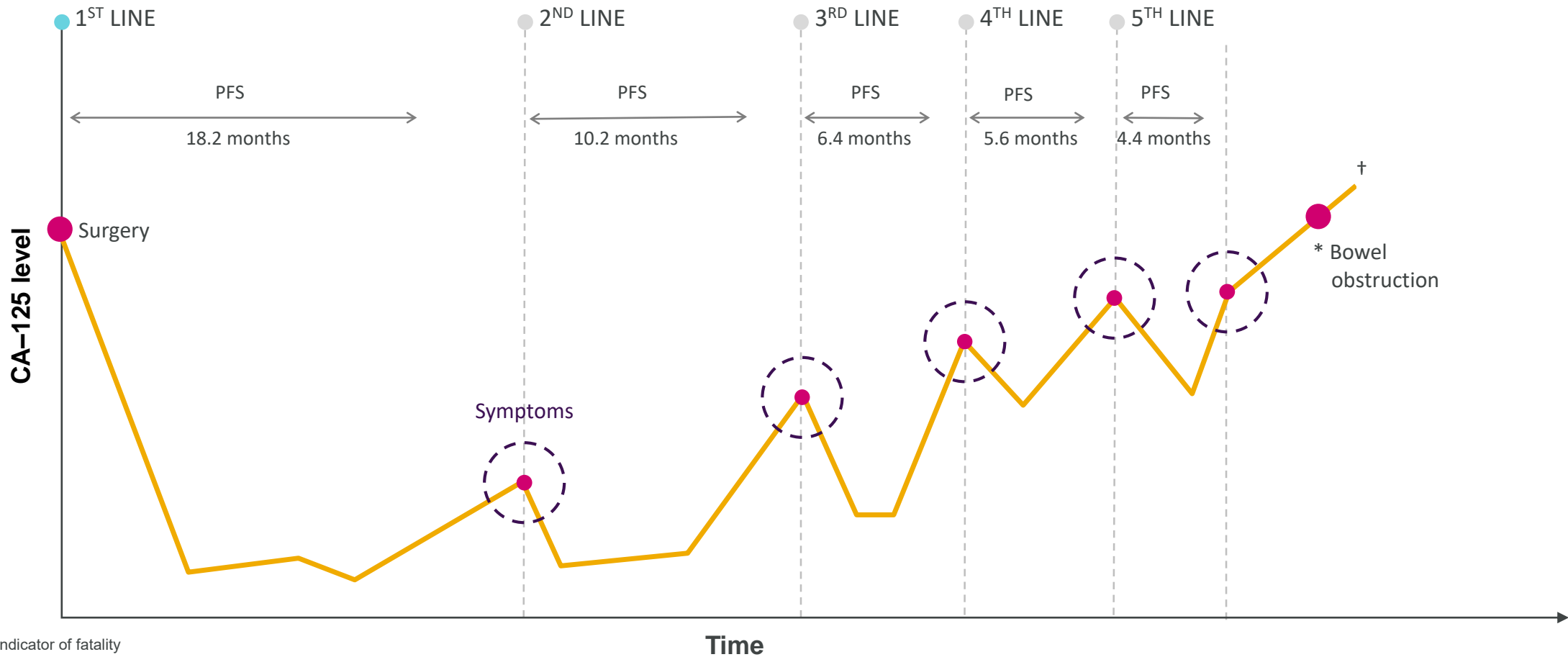
Ovarian Cancer: The Outlook

Once relapse has occurred, the treatment free interval reduces with each line of chemotherapy



Importance of maintenance treatment

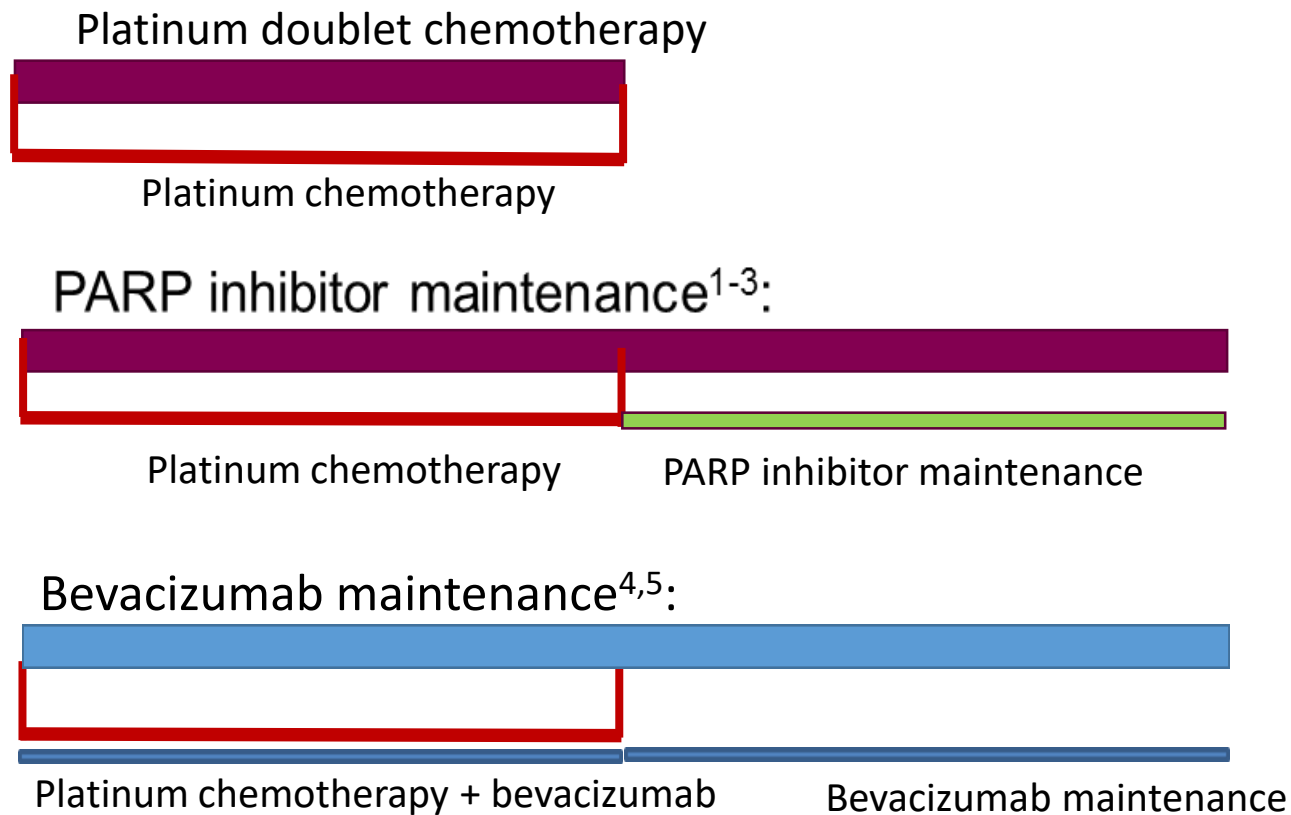
Patients receive multiple lines of chemotherapy which is associated with cumulative toxicity & decreasing periods of remission¹⁻⁴



† Common indicator of fatality
CA-125=cancer antigen 125; PFS=progression-free survival

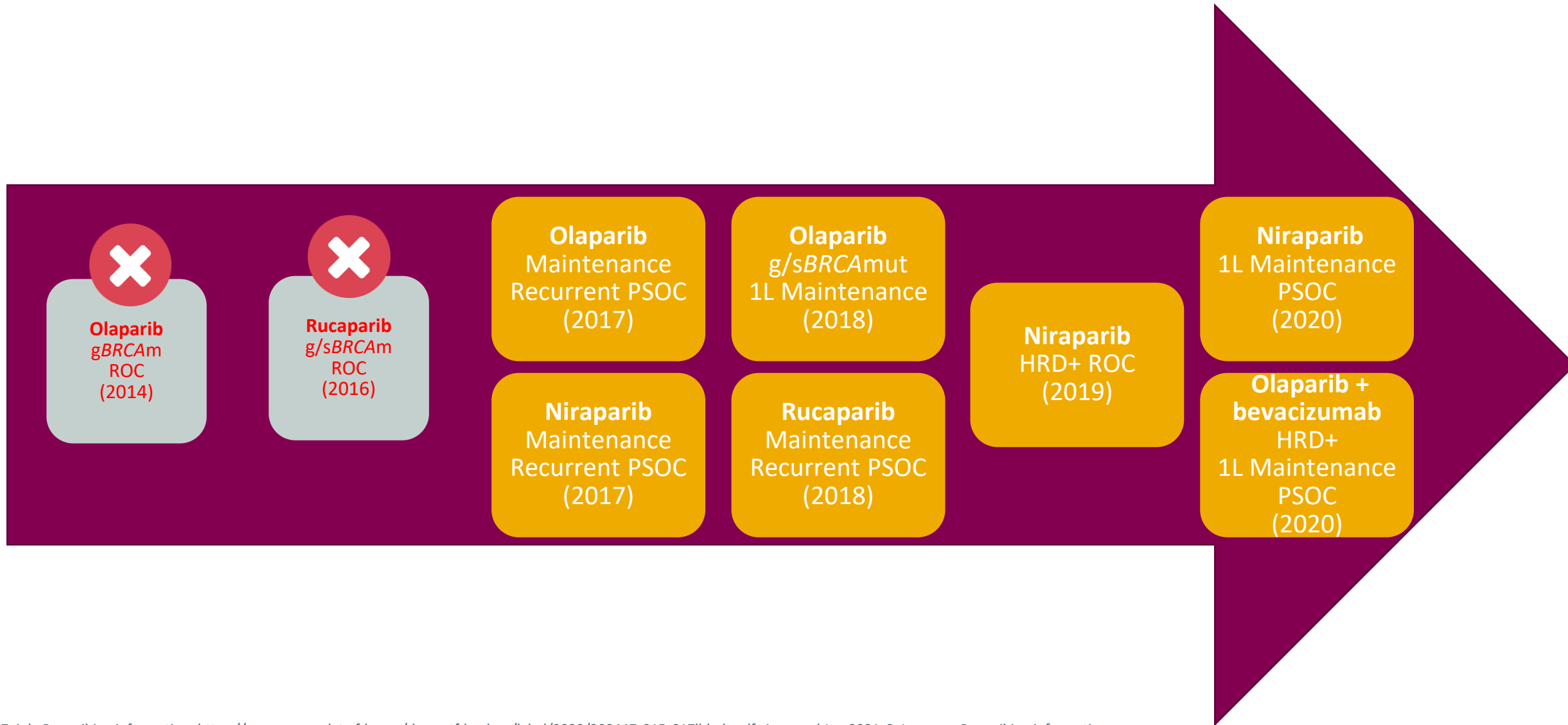
1. Markman M et al. *The Oncologist*. 2000;5:26–35; 2. Hanker LC, et al. *Ann Oncol*. 2012;23:2605–2612; 3. Armstrong DK. *The Oncologist*. 2002;7:20–28; 4. Fotopoulou C. *Eur J Cancer Suppl*. 2014;12:13–16.

Strategies for Platinum-Sensitive Ovarian Cancer



- Decision making needs to occur at the start of the platinum doublet and should include risks/benefits of these approaches

US FDA-Approved PARP Inhibitors in Ovarian Cancer^{1,2,3}



1. Zejula Prescribing information: https://www.accessdata.fda.gov/drugsatfda_docs/label/2020/208447s015s0171bledt.pdf, Accessed Jun 2021 2. Lynparza Prescribing information: https://www.accessdata.fda.gov/drugsatfda_docs/label/2020/208558s014lbl.pdf, Accessed Jun 2021 3.. Rubraca Prescribing information: https://www.accessdata.fda.gov/drugsatfda_docs/label/2020/209115s004lbl.pdf, Accessed Jun 2021

Olaparib has demonstrated PFS & OS benefit among PARPi's in 1st line OC maintenance BRCAm & HRD+ve

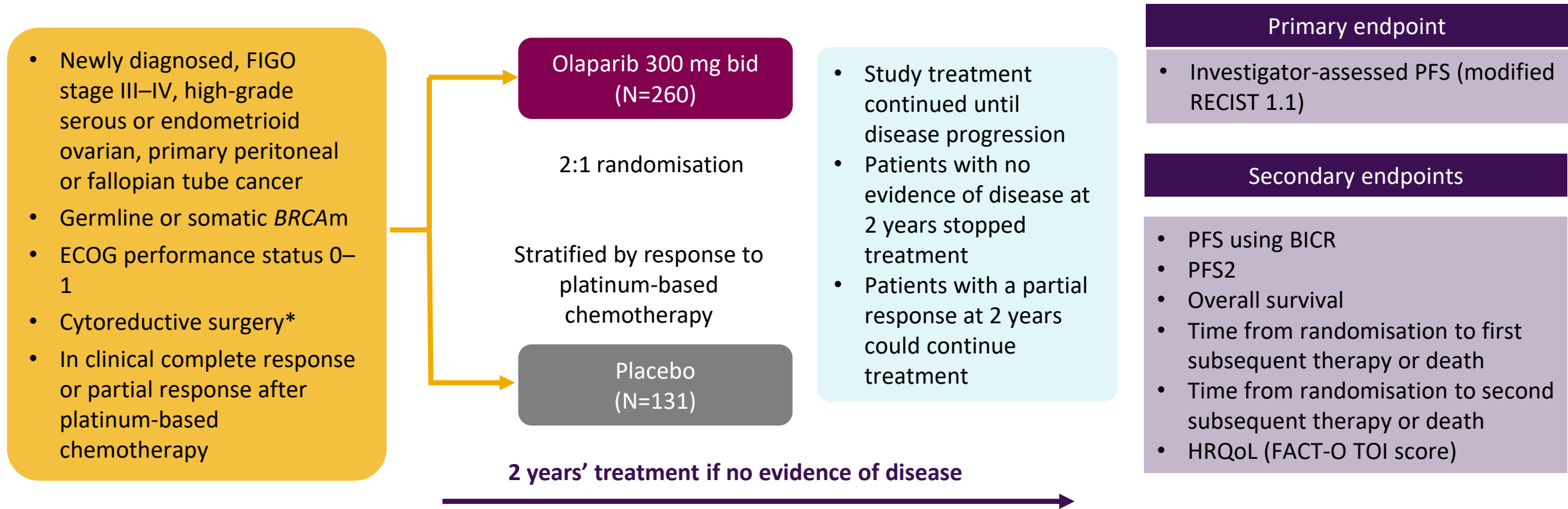
Study	SOLO-1 ^[1] (Only BRCAm were enrolled)	PAOLA-1 ^[2] (HRD positive group)	PRIMA ^[3] (HRD positive group)	ATHENA-MONO ^[4] (HRD positive group)
Agent/comparator	Olaparib vs placebo	Ola+Bev vs Placebo+Bev	Niraparib vs placebo	Rucaparib vs placebo
Median PFS, mos	56 vs 13.8 Δ 42.2 mo	37.2 vs 17.7 Δ 19.5 mo (combination therapy)	21.9 vs 10.4 Δ 11.5 mo	28.7 vs 11.3 Δ 17.4 mo (monotherapy)
PFS HR	0.33 (95% CI: 0.25-0.43)	0.33 (95% CI: 0.25-0.45)	0.43 (95% CI: 0.31-0.59)	0.47 (95% CI: 0.31-0.72)
OS HR	0.55 (95% CI: 0.40-0.76)	0.62 (95% CI: 0.45-0.85)	NA	NA

*No head to head trials available between PARPi in this setting.

1.

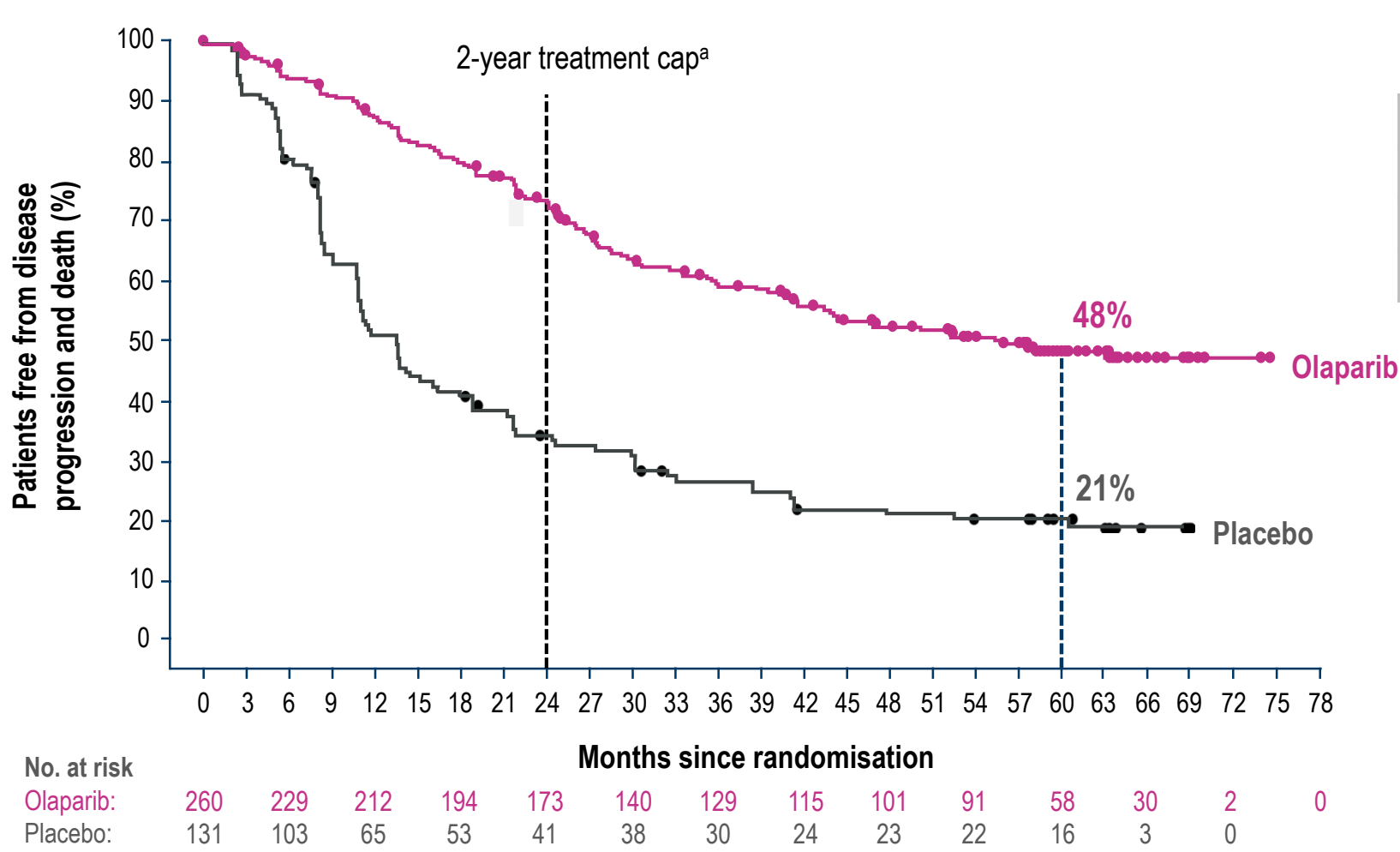
SOLO 1 trial

SOLO 1: Trial design



*Upfront or interval attempt at optimal cytoreductive surgery for stage III disease and either biopsy and/or upfront or interval cytoreductive surgery for stage IV disease
BICR = blinded independent central review; ECOG = Eastern Cooperative Oncology Group; FACT-O = Functional Assessment of Cancer Therapy – Ovarian Cancer; FIGO = International Federation of Gynecology and Obstetrics; HRQoL = health-related quality of life; PFS = progression-free survival; PFS2 = time to second progression or death; RECIST = Response Evaluation Criteria in Solid Tumours; TOI = Trial Outcome Index; PARP = poly (ADP-ribose) polymerase; *BRCAm* = *BRCA* gene mutation; Maintt: Maintenance

SOLO-1: PFS benefit of maintenance olaparib was sustained beyond the end of treatment



	Olaparib (n=260)	Placebo (n=131)
Median treatment duration, months	24.6	13.9
Events, n (%)	118 (45)	100 (76)
Median PFS, months	56.0	13.8
HR (95% CI)	0.33 (0.25, 0.43)	

Median PFS difference for olaparib vs placebo: 42.2 months

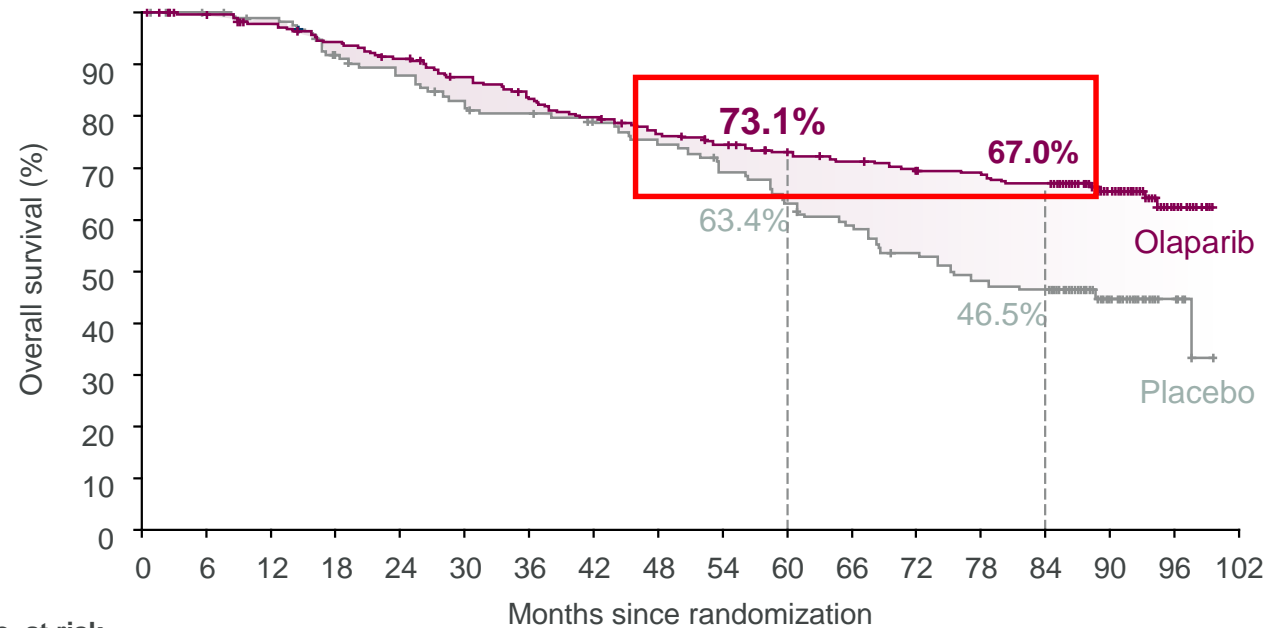
Median follow-up for PFS:

	Olaparib	Placebo
	4.8 years	5.0 years

^aPatients who had no evidence of disease at 2 years stopped receiving the trial intervention; patients who had a PR at 2 years were permitted to continue receiving the trial intervention in a blinded manner; 13 patients (all in the olaparib arm) continued study treatment past 2 years Investigator-assessed by modified RECIST v1.1
 CI, confidence interval; HR, hazard ratio; PFS, progression-free survival; PR, partial response; RECIST, Response Evaluation Criteria In Solid Tumours
 Banerjee S, et al. Presented at ESMO Virtual Congress 2020; 19th–21st September 2020

SOLO-1: At the 7-year DCO, clinically meaningful OS benefit was observed with olaparib vs. placebo

67% of olaparib patients were alive at 7 years vs 46.5% of placebo patients



No. at risk	0	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
Olaparib	260	252	246	236	227	214	203	194	185	177	170	165	159	157	153	79	21	0
Placebo	131	128	125	114	108	100	97	92	87	80	73	67	60	54	52	21	6	0

	Olaparib (n=260)	Placebo (n=131)
Events, n (%)	84 (32.3)	65 (49.6)
Median OS, months	NR	75.2
HR 0.55 (95% CI, 0.40–0.76) P=0.0004*		

44.3% of patients in the placebo group received subsequent PARP inhibitor therapy, compared with 14.6% of patients in the olaparib group

- DCO for the 7-year descriptive OS analysis: 07 March 2022. Median follow-up of approximately 88 months.
- *P<0.0001 required to declare statistical significance



SOLO-1: TAKEAWAY MESSAGES

Maintenance olaparib led to a substantial, unprecedented improvement in PFS in patients with newly diagnosed, advanced ovarian cancer and a BRCAm, with a difference in median PFS estimated to be in the region of 3 years^{1,2}

A **70% reduction in risk of disease** progression or death was observed for olaparib vs. placebo-treated patients (**HR 0.33; p<0.001**)¹

- After the landmark analysis, **median PFS was 56 months** on the olaparib arm vs. 13.8 months for placebo with PFS at 5 years: 48% vs. 21% for olaparib vs placebo¹
- After **7 years of follow up**, **45% reduction in risk of death** was observed as compared to placebo (**HR 0.55; p=0.0004**)²

A **reduction in the risk of second progression or death** was observed demonstrating that **olaparib maintenance** does not diminish the benefit conferred by subsequent therapy¹

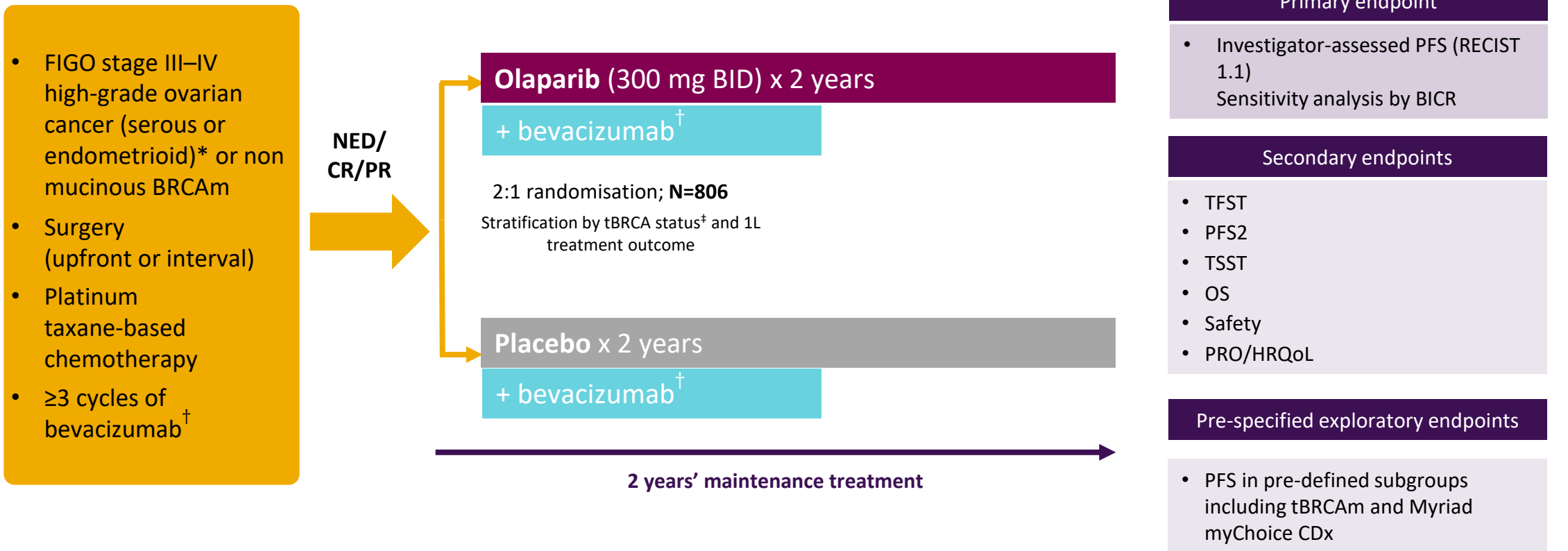
After **7-years of follow-up**, the safety profile remained consistent with the primary analysis²

Most AEs being mild or moderate in severity, generally do not lead to dose reduction or permanent discontinuation¹

2.

PAOLA 1 trial

PAOLA-1: Trial design

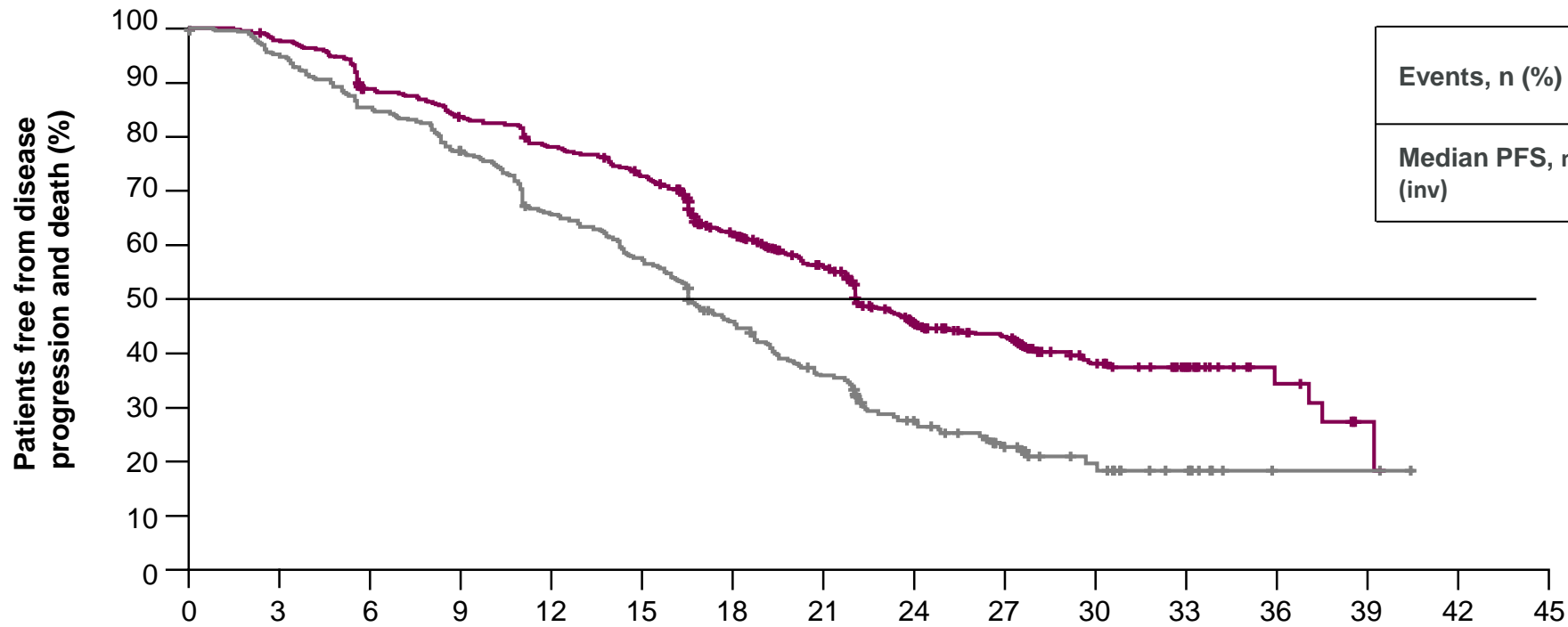


N=762 patients were planned to be randomised in the study so that maturity of the PFS data is ~60%. 458 events will give >80% power, at 5% alpha, to show HR 0.75, mPFS from 15.8 months (control) to 21.1 months (olaparib)
 *Also includes fallopian tube and primary peritoneal cancer. [†]Bevacizumab: 15 mg/kg, every 3 weeks for a total of 15 months, including when administered with chemotherapy. [‡]By central labs
 1L= first-line; BICR=blinded independent central review; BID=twice daily; BRCAm=mutation in BRCA; CDx=companion diagnostic test; CR=complete response; FIGO=Fédération Internationale de Gynécologie Obstétrique; HRQoL=health-related quality of life; NED=no evidence of disease; OS=overall survival; PFS=progression-free survival; PFS2= time to second progression or death; PR=partial response; PRO=patient-reported outcomes; RECIST=Response Evaluation Criteria in Solid Tumours; tBRCA=tumour BRCA; tBRCAm=mutation in tumour BRCA; TFST=time to first subsequent therapy; CTx=Chemotherapy; Bev=Bevacizumab

1. Ray-Coquard I, et al. N Engl J Med. 2019;381:Clinical Study Protocol; 2. Study NCT02477644. Available at: <https://clinicaltrials.gov/ct2/show/NCT02477644>. Last accessed December 2019.

PAOLA1 TRIAL: Olaparib + bev significantly improved PFS vs. placebo + bev in the ITT population

PFS by BICR was consistent with investigator-assessed PFS, indicating robustness of the result



No. at risk	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
Olaparib + bev	537	513	461	433	403	374	279	240	141	112	55	37	12	3	0	
Placebo + bev	269	252	226	205	172	151	109	83	50	35	15	9	1	1	0	

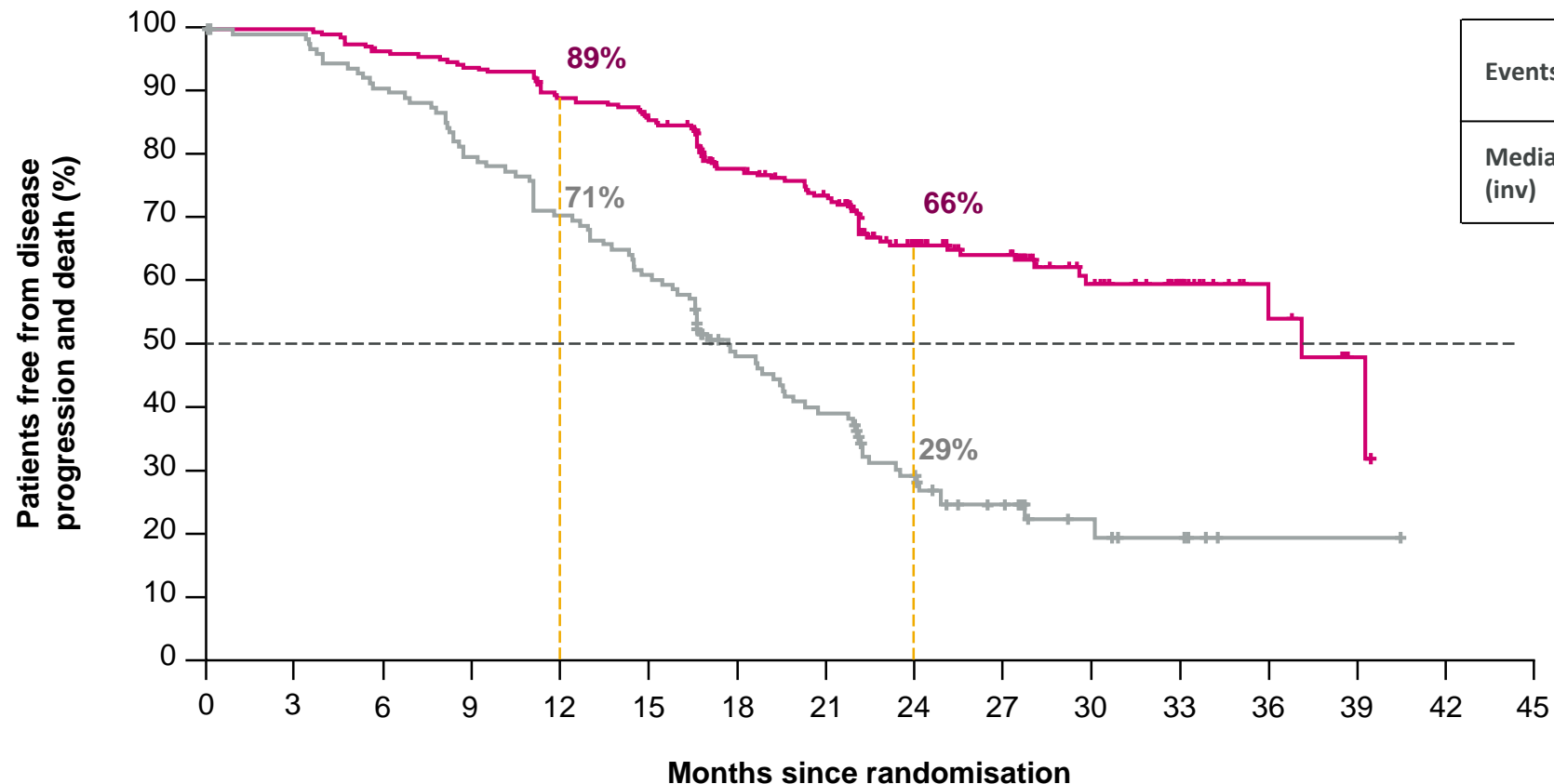
	Olaparib + bevacizumab n=537	Placebo + bevacizumab n=269
Events, n (%)	280 (52)	194 (72)
Median PFS, months (inv)	22.1	16.6
HR 0.59 95% CI 0.49–0.72 p<0.001		

Primary endpoint:
investigator-assessed PFS

Median time from first cycle of chemotherapy to randomisation = **7 months²**

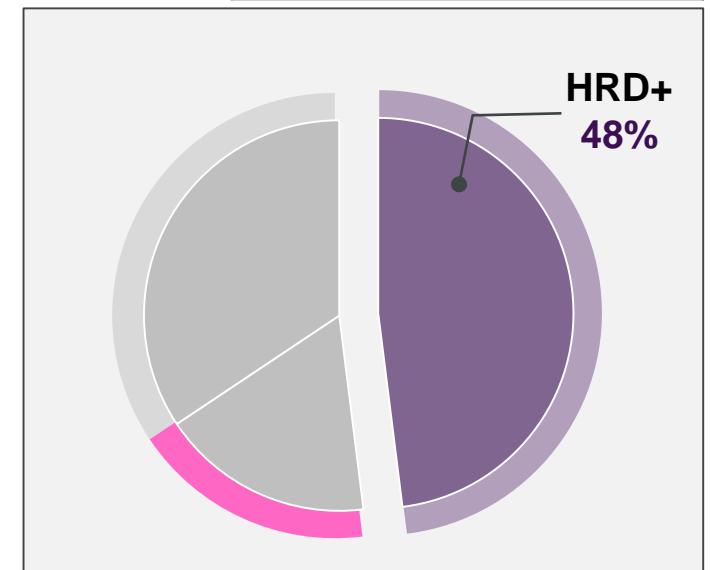
PFS by investigator assessment. Analysis per eCRF. Data maturity=59% | Median duration of follow-up for primary analysis: olaparib, 22.7 months; placebo, 24.0 months | Data cut-off: 22 March 2019
 Bev=bevacizumab; CI=confidence interval; eCRF=electronic case report file; HR=hazard ratio; inv=investigator-assessed; ITT=intent to treat; PFS=progression-free survival

PAOLA1 TRIAL: Pre-specified subgroup analysis showed substantial PFS benefit in HRD-positive* (including tBRCAm) patients



No. at risk	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
Olaparib	255	252	242	236	223	213	169	155	103	85	46	29	11	3	0	
Placebo	132	128	117	103	91	79	54	44	28	18	8	5	1	1	0	

	Olaparib + bevacizumab n=255	Placebo + bevacizumab n=132
Events, n (%)	87 (34)	92 (70)
Median PFS, months (inv)	37.2[†]	17.7
HR 0.33 95% CI 0.25–0.45		



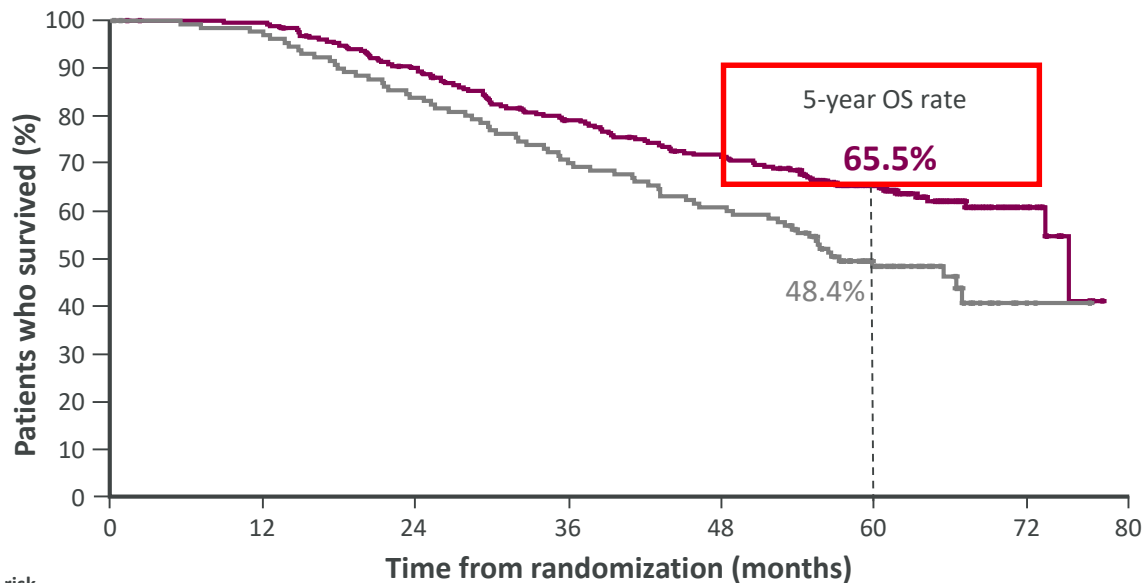
Data maturity=46%. The percentages of patients progression-free at 12 months and 24 months have been calculated based on Kaplan-Meier estimates

*HRD-positive determined by tBRCAm or Myriad myChoice CDx genomic instability score ≥ 42 . [†]This median is unstable due to a lack of events – less than 50% maturity.

CDx=companion diagnostic test; CI=confidence interval; HR=hazard ratio; HRD=homologous recombination deficiency; (m)PFS=(median) progression-free survival; tBRCAm=mutation in tumour BRCA

PAOLA1 TRIAL: Olaparib + bev provided a clinically meaningful improvement in OS in HRD-positive patients

At 5 years, 65.5% of patients receiving **Olaparib + bevacizumab** were still alive vs 48.4% who received bevacizumab alone



No. at risk	0	12	24	36	48	60	72	80																			
Olaparib + bev	255	253	253	252	252	244	238	231	225	215	205	200	195	189	183	176	174	170	164	142	116	83	62	32	17	4	0
Placebo + bev	132	130	129	128	126	121	117	114	109	105	100	96	91	89	86	82	79	77	70	59	44	29	21	9	2	1	0

Final OS DCO: 22 March 2022. Final OS analysis planned for 3 years after the primary PFS analysis or 60% data maturity.

Median time from first cycle of chemotherapy to randomization = 6 months

*Descriptive analysis

	Olaparib + bevacizumab (n=255)	Placebo + bevacizumab (n=132)
Events, n (%)	93 (36.5)	69 (52.3)
Median OS, months	75.2 (unstable)*	57.3
5-year OS rate, %	65.5	48.4
HR 0.62 95% CI, 0.45-0.85		

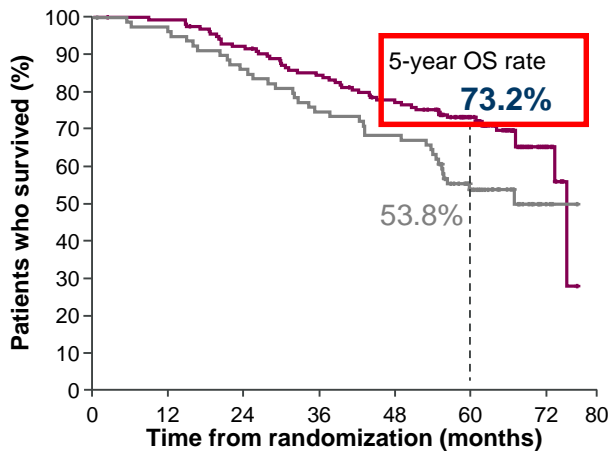
38% reduction in risk of death for olaparib + bevacizumab vs bevacizumab alone*

Patients receiving a PARP inhibitor during any subsequent treatment:
 Olaparib + bev: **17.3%** (44/255)
 Placebo + bev: **50.8%** (67/132)



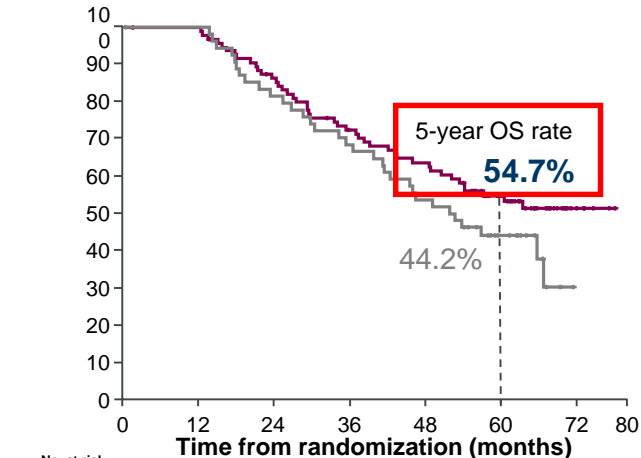
PAOLA1 TRIAL: The addition of olaparib to bevacizumab prolonged OS in HRD+ patients regardless of BRCA status

BRCAm*



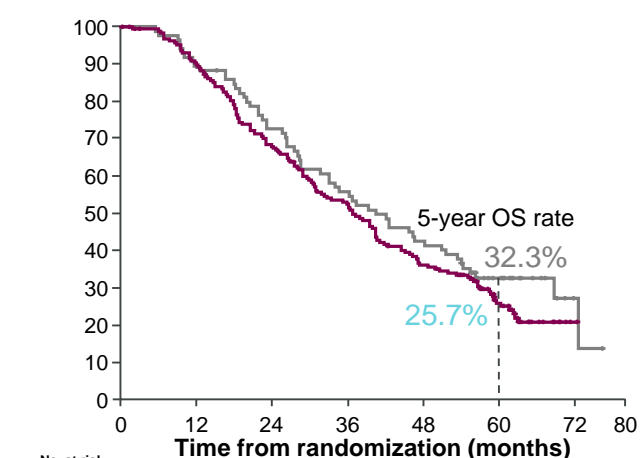
No. at risk
 Olaparib + bev 157 156 156 155 155 150 44 41 31 39 34 31 11 30 27 23 18 17 15 11 2 99 80 55 42 21 11 2 0
 Placebo + bev 80 79 78 77 76 74 72 71 68 66 64 61 59 58 58 54 54 53 50 40 33 22 17 10 3 1 0

HRD-positive,† excluding tBRCAm



No. at risk
 Olaparib + bev 97 96 96 96 91 87 86 81 76 71 70 66 63 61 59 58 55 52 45 37 29 22 12 5 2 0
 Placebo + bev 55 54 54 54 54 51 48 46 44 42 40 39 37 36 33 32 29 28 24 21 15 9 6 2 0

HRD-negative†



No. at risk
 Olaparib + bev 192 187 188 179 169 157 148 138 126 119 109 100 97 89 77 72 66 62 57 43 30 16 11 5 1 0
 Placebo + bev 85 85 84 83 76 74 71 65 60 56 51 48 46 43 41 38 35 33 31 21 17 11 8 5 2 1 0

	Olaparib + bevacizumab (n=157)	Placebo + bevacizumab (n=80)
Events, n (%)	48 (30.6)	37 (46.3)
Median OS, months	75.2 (unstable)‡	66.9
5-year OS rate, %	73.2	53.8
PARPi as subsequent therapy, n (%)	38 (24.2)	44 (55.0)
HR 0.60 (95% CI, 0.39–0.93)		

	Olaparib + bevacizumab (n=97)	Placebo + bevacizumab (n=55)
Events, n (%)	44 (45.4)	32 (58.2)
Median OS, months	NR	52.0
5-year OS rate, %	54.7	44.2
PARPi as subsequent therapy, n (%)	9 (9.3)	23.0 (41.8)
HR 0.71 (95% CI, 0.45–1.13)		

	Olaparib + bevacizumab (n=192)	Placebo + bevacizumab (n=85)
Events, n (%)	140 (72.9)	58 (68.2)
Median OS, months	36.8	40.4
5-year OS rate, %	25.7	32.3
PARPi as subsequent therapy, n (%)	46 (24.0)	34 (40.0)
HR 1.19 (95% CI, 0.88–1.63)		

PAOLA1 TRIAL: Take away messages

PAOLA-1 is the only Phase III randomised trial to investigate the addition of a PARP inhibitor (olaparib) to active treatment with bevacizumab in the newly diagnosed setting, with the intent of achieving maximum therapeutic benefit¹

In a representative patient population, unselected by biomarker status or surgical outcomes, olaparib added to bevacizumab significantly improved PFS vs. placebo plus bevacizumab¹

In HRD-positive* patients, olaparib added to bevacizumab substantially improved PFS vs. placebo plus bevacizumab (HR 0.33; 95% CI 0.25–0.45, median PFS 37.2 vs. 17.7 months)¹, demonstrating the importance of HRD testing in clinical decision making

The significant improvement in PFS2 demonstrated that olaparib added to bevacizumab was associated with continued benefit beyond first progression²

At final 5yrs OS analysis, Olaparib added to bevacizumab substantially improved PFS vs. bevacizumab alone with a median PFS of almost 4 years (HR 0.41)⁴

*HRD-positive determined by tBRCAm or Myriad myChoice CDx genomic instability score ≥ 42 CDx=companion diagnostic test; CI=confidence interval; HR=hazard ratio; HRD=homologous recombination deficiency; HRQoL=health-related quality of life; PFS=progression-free survival; PFS2=time to pregression on subsequent therapy; tBRCAm=multiplexed ligation-dependent probe amplification

1. Ray-Coquard I, et al. N Engl J Med. 2019;381:2416-2428; 2. Gonzalez-Martin A, et al. Presented at ESMO Virtual Congress 2020. 19-21 September. Abstract #LBA33;

3. Lynparza 150mg Film-Coated Tablets, SmPC, 2020.4. Ray-Coquard I, et al. Presented at ESMO Congress 2022. 9–13 September. Paris, France.

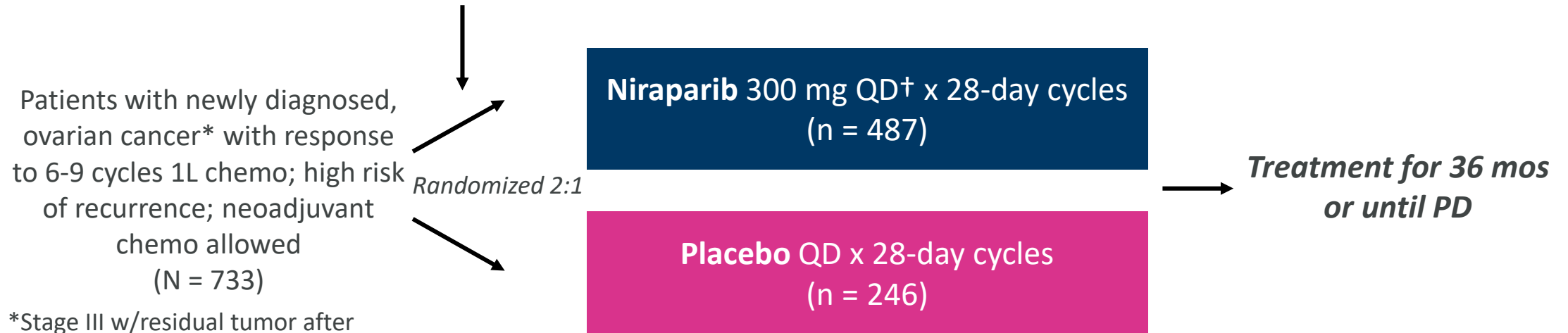
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PRIMA trial

PRIMA: Trial design

- Randomized, double-blind, placebo-controlled phase III trial (active, not recruiting, as of 10/2020)

Stratified by neoadjuvant CT (yes vs no), best response to first platinum (CR vs PR), tissue HRD test (deficient vs proficient/not determined)

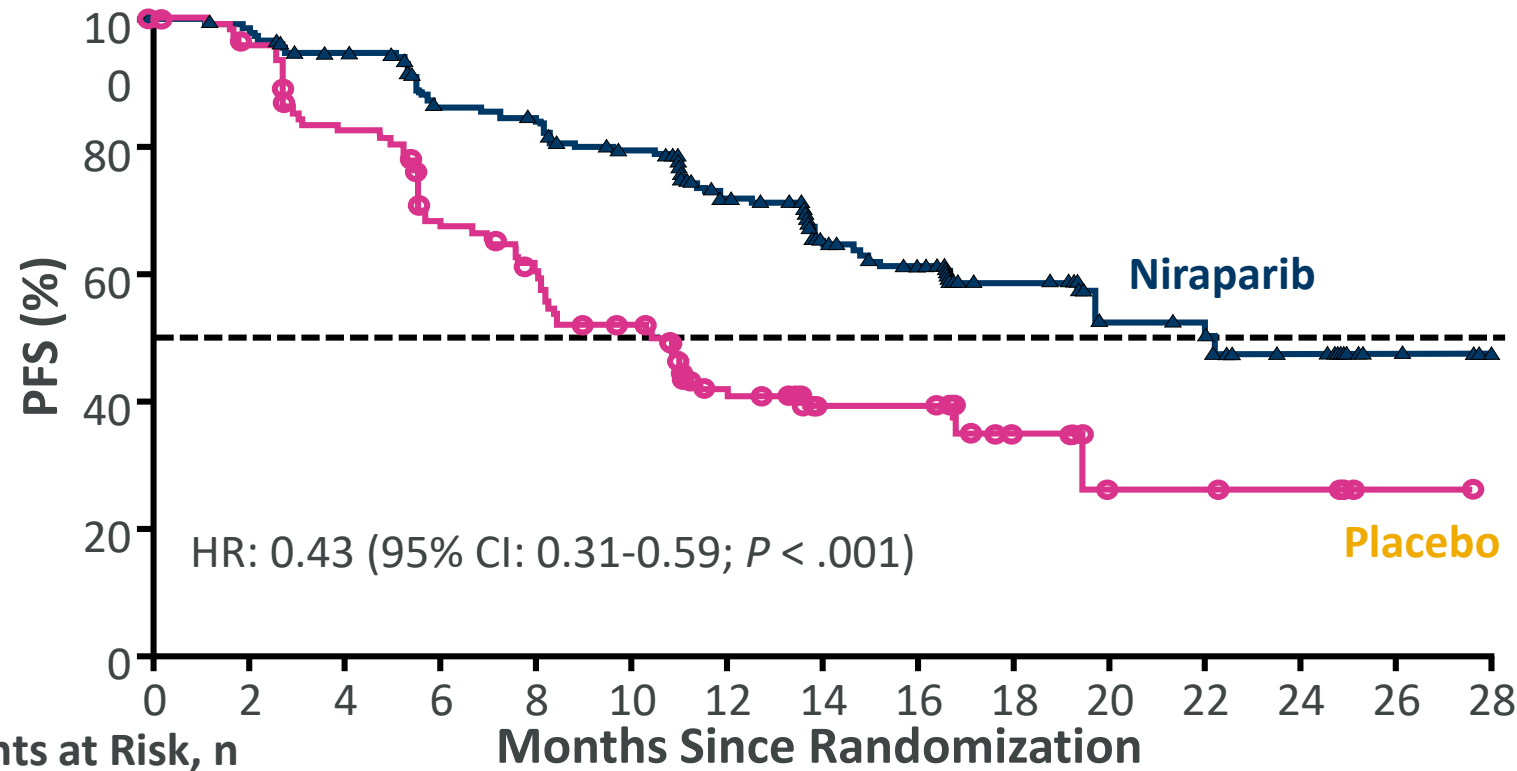


*Stage III w/residual tumor after debulking surgery, inoperable stage III disease, or any stage IV disease.

[†]Dosing amended in November 2017 to 200 mg QD if < 77 kg body weight, platelets < 150,000/mm³, or both.

- Primary endpoint: PFS (HRD+ and overall population)
- Secondary endpoints: OS, PFS2, QoL PROs, safety

PRIMA: PFS in HRD Patients

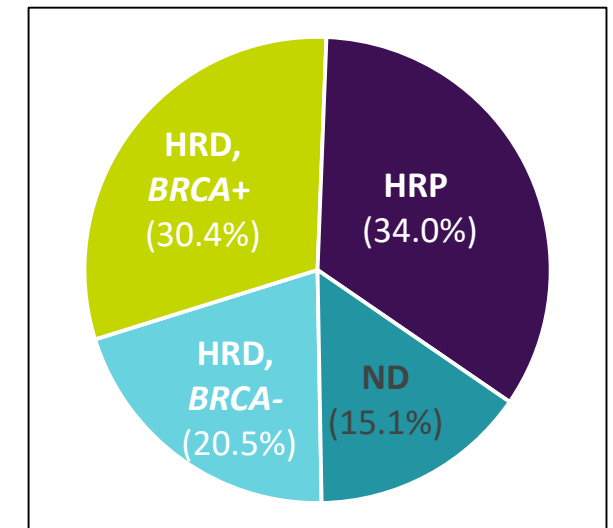


Patients at Risk, n

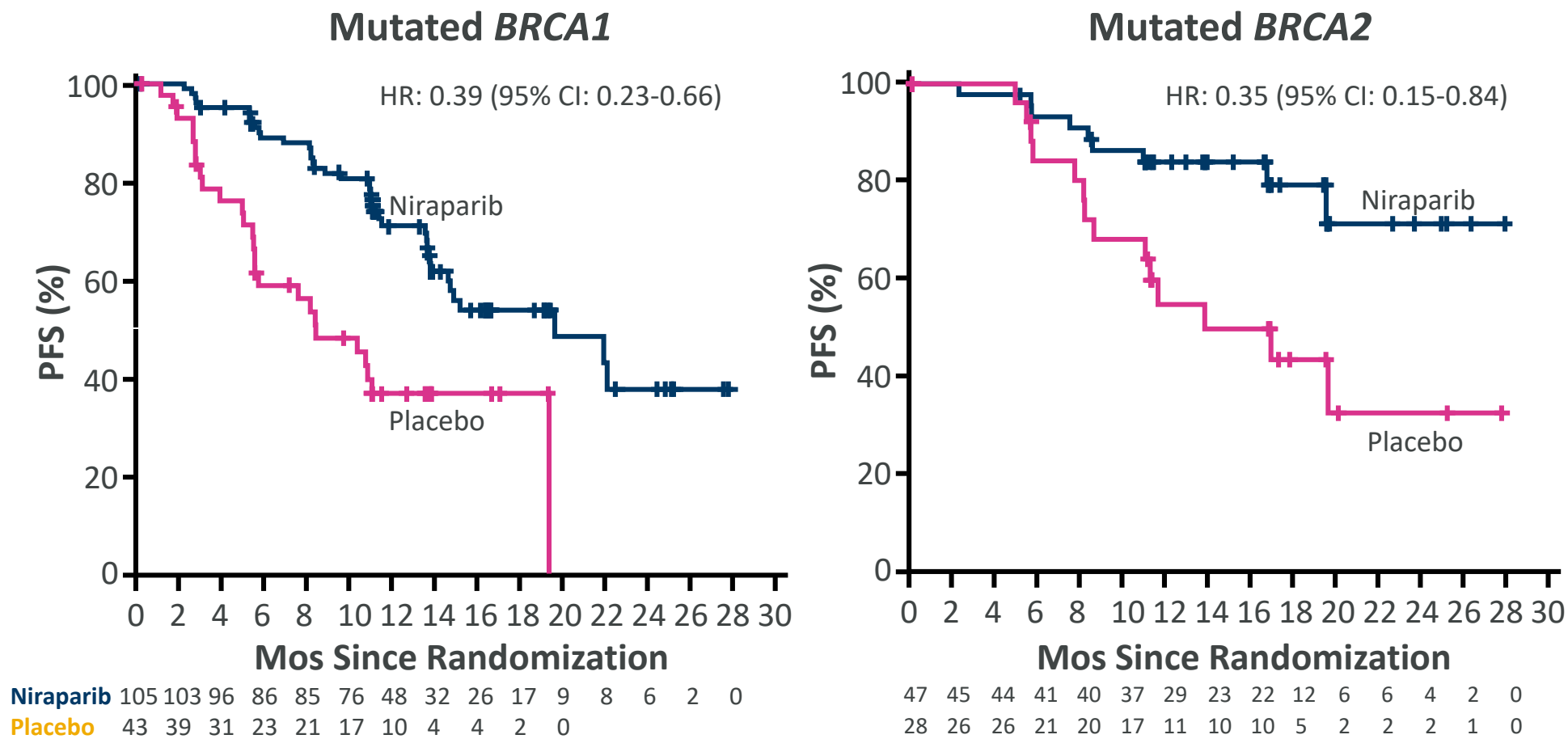
	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28
Niraparib	247	231	215	189	184	168	111	76	66	42	22	19	13	4	0
Placebo	126	117	99	79	70	57	34	21	21	11	5	5	4	1	0

57% reduction in risk of relapse or death with niraparib vs placebo

	Niraparib (n = 247)	Placebo (n = 126)
Median PFS, mos (95% CI)	21.9 (19.3-NE)	10.4 (8.1-12.1)
No PD or death, %		
• 6 mos	86	68
• 12 mos	72	42
• 18 mos	59	35

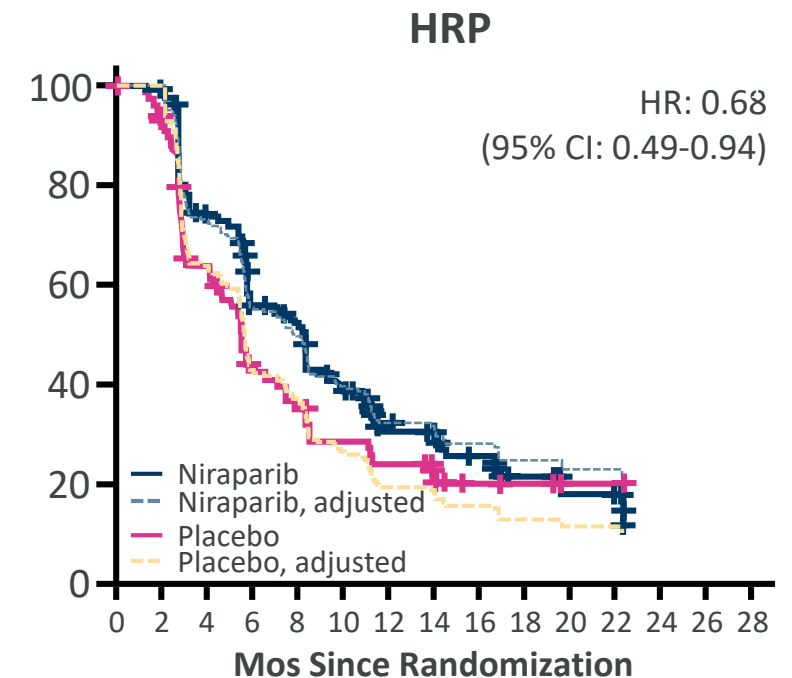
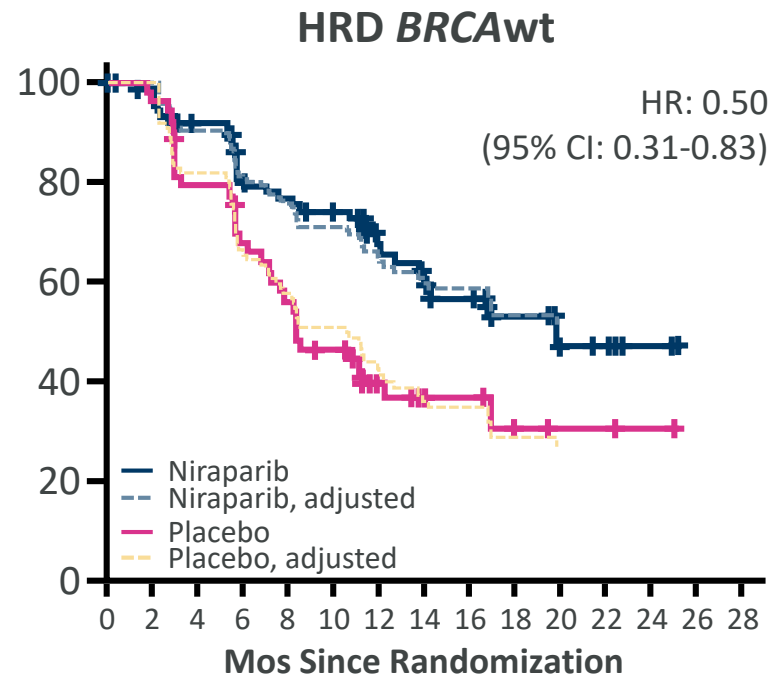
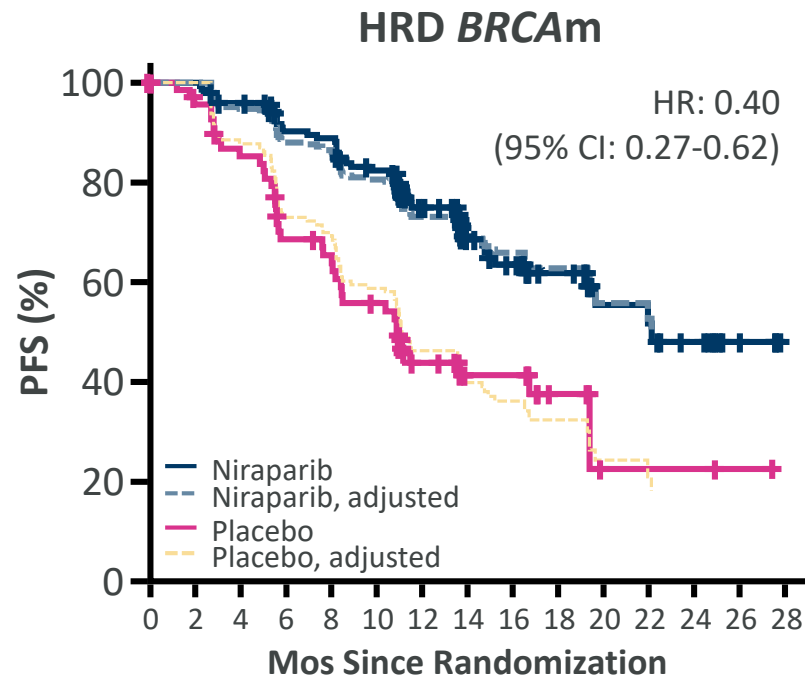


PRIMA: PFS in Patients With Mutated BRCA1 vs BRCA2



Niraparib efficacy was similar in mutated *BRCA1* and mutated *BRCA2*

PRIMA: PFS in Patients With HRD and HRP (by BICR)



Niraparib	152	148	140	127	125	113	77	55	48	29	15	14	10	4
Placebo	71	65	57	44	41	34	21	14	14	7	2	2	2	1

	95	83	75	62	59	55	34	21	18	13	7	5	3
	55	52	42	35	29	29	13	7	7	4	3	3	2

	169	157	113	81	73	53	34	23	20	10	5	1
	80	70	45	29	24	18	15	8	6	5	1	1

- Niraparib provided clinical benefit in the HRD (*BRCAM* and *BRCAt*) and HRP subgroups
- All subgroups analyzed using adjusted Cox regression to account for stratification imbalances

4.

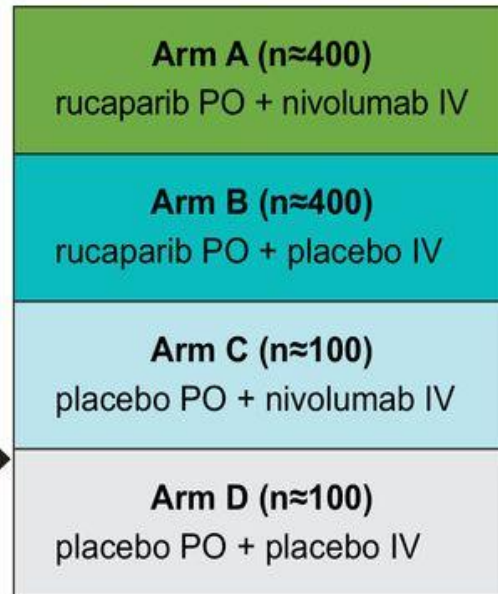
ATHENA- MONO

ATHENA* (GOG 3020/ENGOT-ov45) trial: Study schema and analysis plan

Key Patient Eligibility

- Newly diagnosed, stage III/IV, high-grade epithelial ovarian, fallopian tube, or primary peritoneal cancer
- Completed frontline platinum-doublet chemotherapy and surgery
 - Achieved investigator-assessed CR or PR without disease progression or rise in CA-125 at any time during frontline platinum-doublet chemotherapy
 - Received cytoreductive surgery (R0 permitted), either prior to chemotherapy or following neoadjuvant chemotherapy, with sufficient tissue available for analysis
- ECOG PS 0 or 1
- No prior treatment for ovarian cancer, including any maintenance treatment, other than frontline platinum regimen

Randomization 4:4:1:1

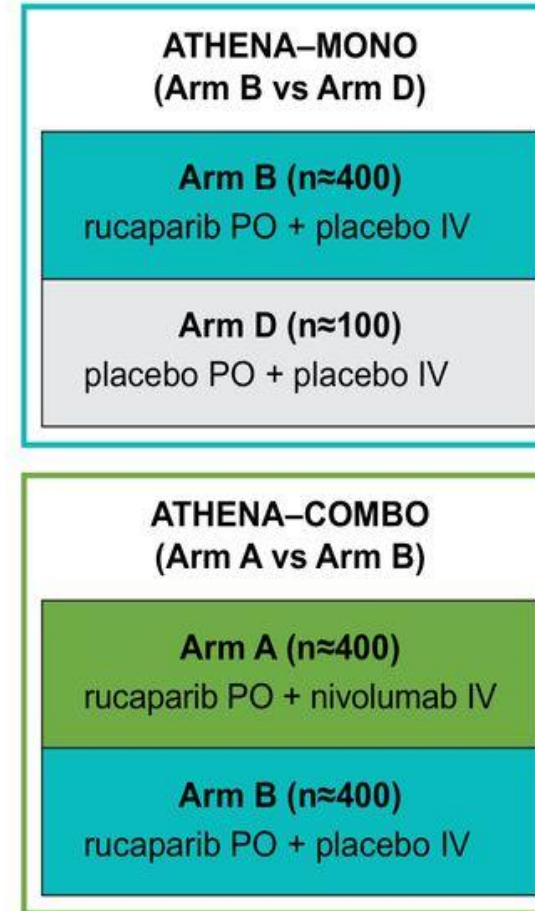


Treatment for 24 months, or until radiographic progression, unacceptable toxicity, or other reason for discontinuation

Stratification Factors

- Centrally assessed tumor status (BRCA mutation, BRCA wild-type/high LOH, BRCA wild-type/low LOH, BRCA wild-type/LOH indeterminate)
- Response to frontline platinum doublet (no residual disease vs residual disease)
- Timing of surgery (primary vs interval debulking)

Study Analyses



**Data Published,
Not yet
approved
anywhere in the
globe**

**Study
Ongoing**

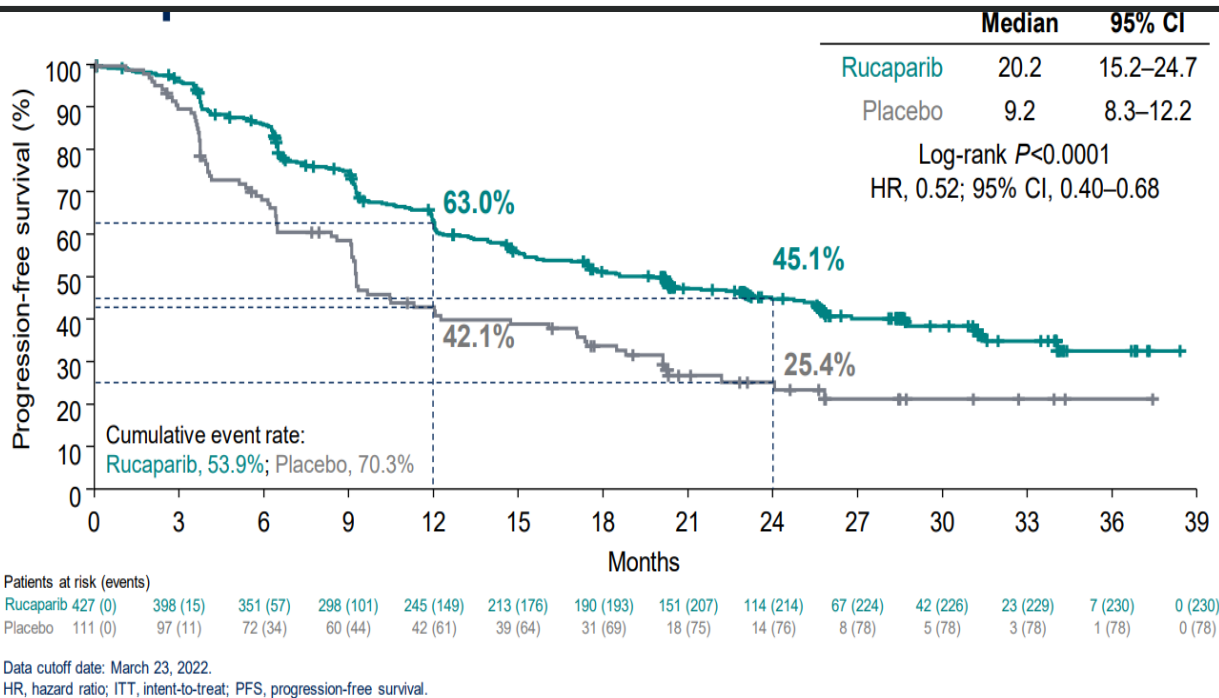
Primary Endpoint

Investigator-assessed PFS per RECIST v1.

***ATHENA-MONO indication is not approved anywhere in the world**

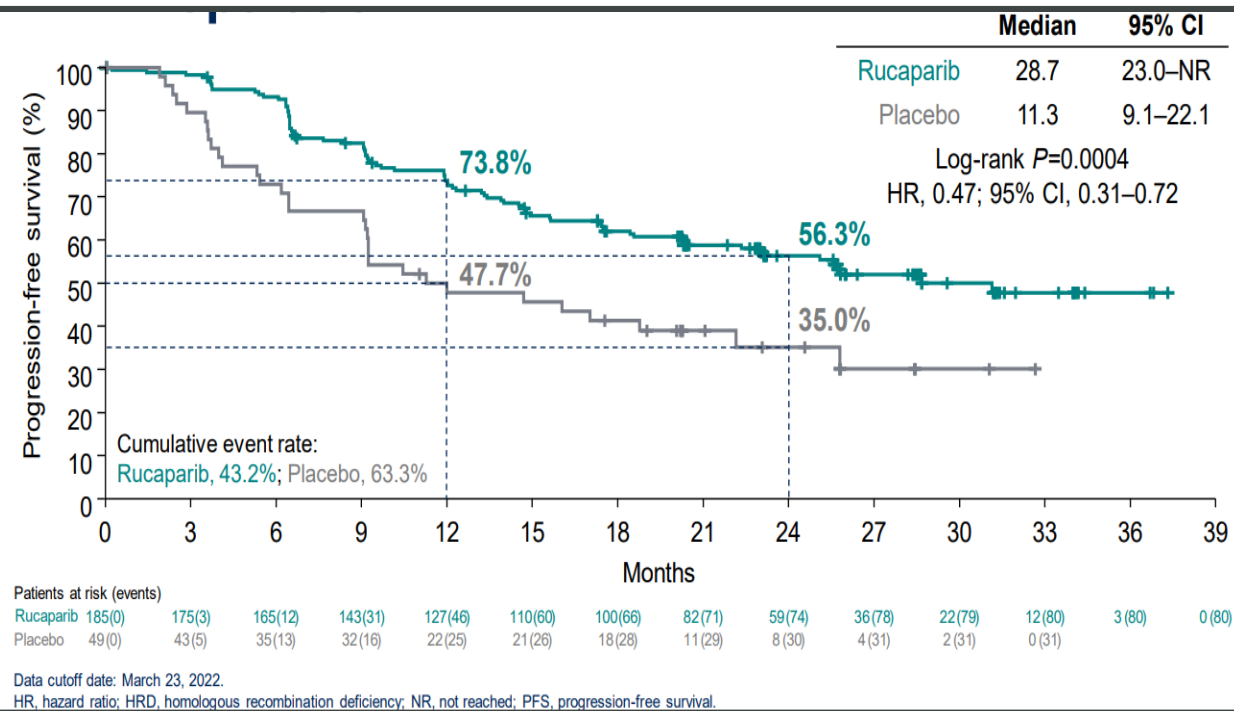
Athena* MONO: Median PFS

In All Commers/ITT



HR 0.52

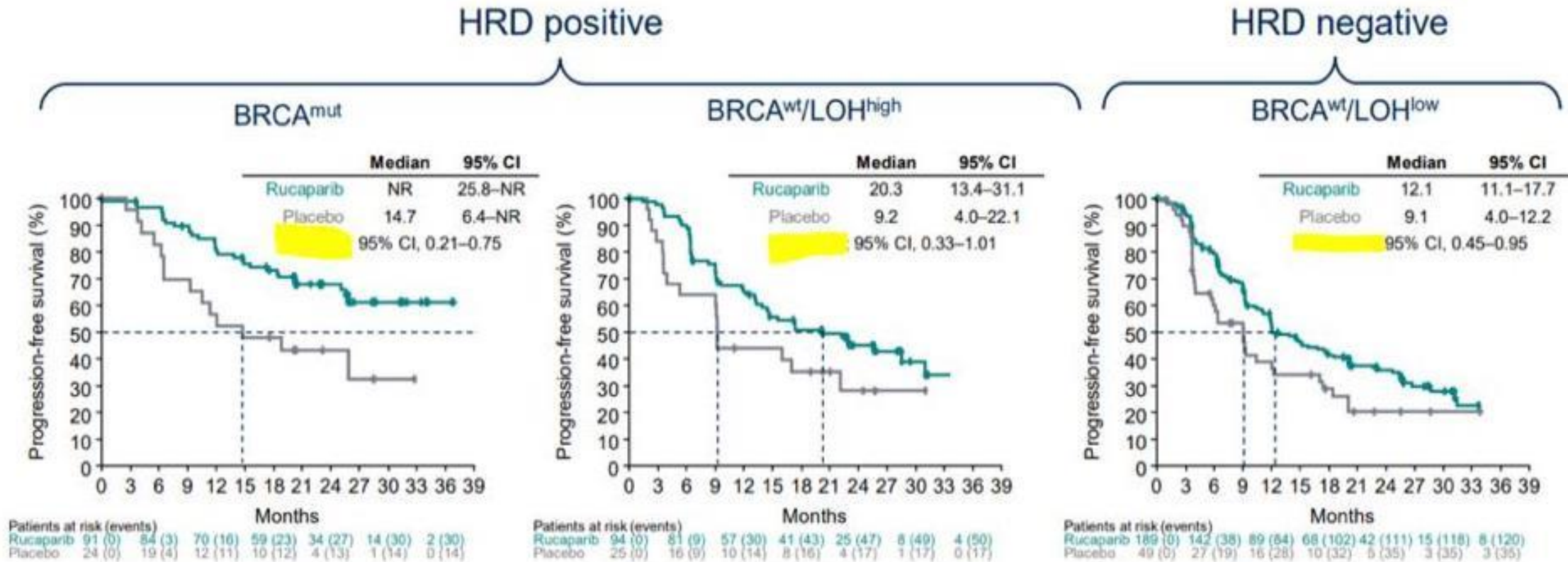
In HRD positive



HR 0.47

***ATHENA-MONO indication is not approved anywhere in the world**

Investigator-Assessed PFS: Exploratory Subgroups



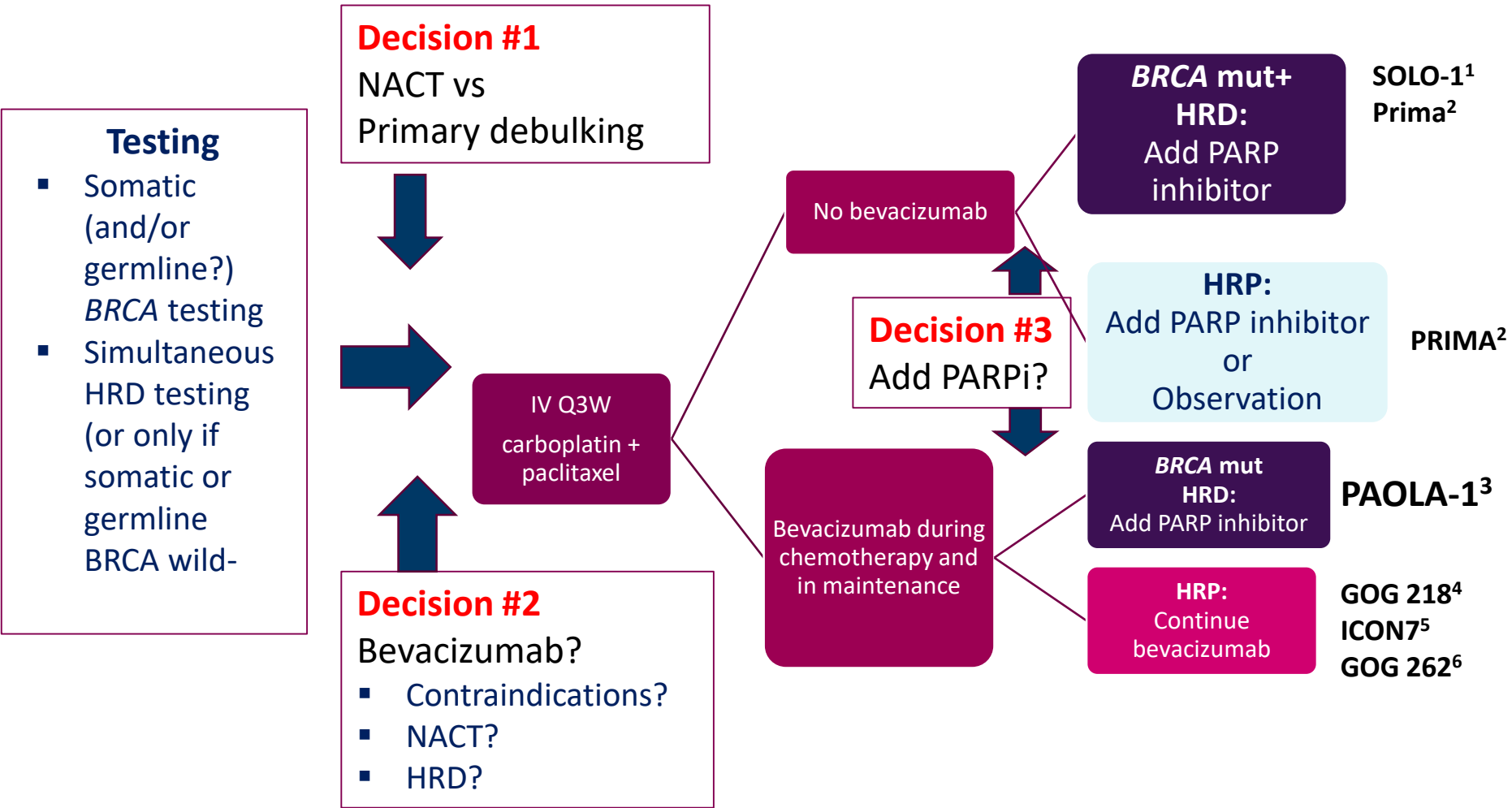
- Rucaparib demonstrated treatment benefit vs placebo regardless of BRCA mutation and HRD status

Data cutoff date: March 23, 2022.

BRCA, *BRCA1* or *BRCA2*; HR, hazard ratio; HRD, homologous recombination deficiency; LOH, loss of heterozygosity; mut, mutant; NR, not reached; PFS, progression-free survival; wt, wild type.

***ATHENA-MONO indication is not approved anywhere in the world**

Integrated Maintenance Treatment Paradigm for First-line Ovarian Cancer (2022)



Athena-Mono : Data Published, indication is not approved anywhere in the world

Abbreviated Prescribing information

For the use of registered oncologist only

Olaparib Tablets

LYNPARZA® 100 mg and 150 mg

QUALITATIVE AND QUANTITATIVE COMPOSITION: Each 150 mg film-coated tablet contains 150 mg of olaparib. | Each 100 mg film-coated tablet contains 100 mg of olaparib.

INDICATIONS

LYNPARZA is indicated in: **Ovarian Cancer:** for the maintenance treatment of adult patients with deleterious or suspected deleterious germline or somatic BRCA-mutated (gBRCAm or sBRCAm) advanced epithelial ovarian, fallopian tube or primary peritoneal cancer who are in complete or partial response to first-line platinum-based chemotherapy; for the maintenance treatment of adult patients with recurrent epithelial ovarian, fallopian tube or primary peritoneal cancer, who are in a complete or partial response to platinum-based chemotherapy; for the treatment of adult patients with deleterious or suspected deleterious germline BRCA-mutated advanced ovarian cancer who have been treated with three or more prior lines of chemotherapy (**This treatment indication is voluntarily withdrawn and is under regulatory review**); Lynparza in combination with bevacizumab is indicated for the: maintenance treatment of adult patients with advanced high-grade epithelial ovarian, fallopian tube or primary peritoneal cancer who are in response (complete response or partial response) to first-line platinum-based chemotherapy with bevacizumab

Breast Cancer: In patients with deleterious or suspected deleterious gBRCAm, human epidermal growth factor receptor 2 (HER2)-negative metastatic breast cancer who have previously 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 treatment; as monotherapy for the adjuvant treatment of adult patients with BRCA-mutated HER2-negative high risk early breast cancer who have previously been treated with neoadjuvant or adjuvant chemotherapy

Prostate cancer: Lynparza is indicated as monotherapy for the: treatment of adult patients with metastatic castration-resistant prostate cancer and homologous recombination repair gene mutations (germline and/or somatic) who have progressed following a prior new hormonal agent

Adenocarcinoma of the pancreas: Lynparza is indicated as monotherapy for the: maintenance treatment of adult patients with germline BRCA-mutated metastatic adenocarcinoma of the pancreas whose disease has not progressed on first-line platinum-based chemotherapy

DOSAGE & ADMINISTRATION: The recommended dose of LYNPARZA is 300 mg (two 150 mg tablets) taken twice daily, equivalent to a total daily dose of 600 mg. The 100 mg tablet is available for dose reduction.

Duration of treatment: Maintenance treatment of newly diagnosed advanced ovarian cancer: can continue treatment for 2 years or until disease progression. 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 physician can derive further benefit from continuous treatment, can be treated beyond 2 years. **Advanced gBRCA-mutated**

Ovarian Cancer: Continue treatment until disease progression or unacceptable toxicity. (**This treatment indication is voluntarily withdrawn and is under regulatory review**)

Platinum-sensitive relapsed ovarian cancer: it is recommended that treatment be continued until progression of the underlying disease

Maintenance treatment of newly diagnosed advanced ovarian cancer in combination with bevacizumab: patients can continue treatment for 2 years or until disease progression. 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 physician can derive further benefit from continuous Lynparza treatment, can be treated beyond 2 years

Metastatic HER2-negative breast cancer: it is recommended that treatment be continued until progression of the underlying disease.

Adjuvant treatment of BRCA-mutated HER2-negative high risk early breast cancer: it is recommended that patients are treated for a total of 1 year, or until disease recurrence, whichever occurs first. Patients with hormone receptor-positive breast cancer should continue concurrent treatment with endocrine therapy as per local guidelines.

HRR-gene mutated metastatic castration-resistant prostate cancer: it is recommended that treatment be continued until progression of the underlying disease

Maintenance following first-line treatment of metastatic adenocarcinoma of the pancreas: It is recommended that treatment be continued until progression of the underlying disease

Abbreviated Prescribing information

CONTRAINDICATIONS:

None.

WARNINGS & PRECAUTIONS: Haematological toxicity: Haematological toxicity has been reported in patients treated with LYNPARZA including generally mild or moderate anaemia, neutropenia, thrombocytopenia and lymphopenia. If a patient develops severe haematological toxicity or blood transfusion dependence, treatment with LYNPARZA should be interrupted. **Myelodysplastic Syndrome/Acute Myeloid Leukaemia:** The incidence of MDS/AML in patients treated in clinical trials with Lynparza monotherapy, including long-term survival follow up, was <1.5%, with higher incidence in patients with BRCAm platinum-sensitive relapsed ovarian cancer who had received at least two prior lines of platinum chemotherapy and were followed up for 5 years. The majority of events had a fatal outcome. The duration of therapy with Lynparza in patients who developed MDS/AML varied from < 6 months to > 4 years. If MDS and/or AML are confirmed while on treatment with LYNPARZA, it is recommended that LYNPARZA should be discontinued and the patient be treated appropriately. **Venous Thromboembolic Events** Venous thromboembolic events, including pulmonary embolism, have occurred in patients treated with Lynparza and had no consistent clinical pattern. A higher incidence was observed in patients with metastatic castration-resistant prostate cancer, who also received androgen deprivation therapy, compared with other approved indications. It is recommended to monitor patients for clinical signs and symptoms of venous thrombosis and pulmonary embolism and treat as medically appropriate. **Pneumonitis:** Pneumonitis has been reported in <1.0% patients treated with LYNPARZA monotherapy in clinical studies. If pneumonitis is confirmed, LYNPARZA treatment should be discontinued and the patient treated appropriately. **Embryofoetal toxicity:** Based on its mechanism of action (PARP inhibition), LYNPARZA could cause foetal harm when administered to a pregnant woman. LYNPARZA should not be taken during pregnancy. **Breast-feeding:** The excretion of olaparib in milk has not been studied in animals or in breast-feeding mothers. **Interactions with other medicinal products: Co-administration of LYNPARZA with strong or moderate CYP3A inhibitors is not recommended. If a strong or moderate CYP3A inhibitor must be co-administered, the dose of LYNPARZA should be reduced.** Co-administration of LYNPARZA with strong or moderate CYP3A inducers is not recommended. **Undesirable effects:** The most commonly reported adverse drug reactions (ADRs), reported in more than 10% of the patients and greater than placebo/ active comparator were: Anemia, Neutropenia and/or Leukopenia, Decreased appetite, Dizziness, Headache, Cough, Dysgeusia, Vomiting, Nausea and Diarrhoea, Fatigue.

INTERACTIONS: Concomitant use of itraconazole as well as other strong CYP3A inhibitors is not recommended with LYNPARZA due to an increase in C_{max} and AUC. CYP3A inducers could substantially diminish the clinical efficacy of LYNPARZA and concomitant use of strong inducers is not recommended.

PHARMACOLOGICAL PROPERTIES:

Mechanism of action: Olaparib is a potent inhibitor of human poly (ADP ribose) polymerase enzymes (PARP 1, PARP 2, and PARP 3), and has been shown to inhibit the growth of selected tumour cell lines in vitro and tumour growth in vivo either as a standalone treatment or in combination with established chemotherapies

Pharmacokinetic properties: The pharmacokinetics of olaparib at the 300 mg tablet dose is characterized by an apparent plasma clearance of ~7 L/h, an apparent volume of distribution of ~158 L and a terminal half-life of 15 hours. The *in vitro* plasma protein binding is approximately 82% at 10 µg/mL. CYP3A4/5 were shown to be the enzymes primarily responsible for the metabolism of olaparib. Post administration, ~86% of the dose was recovered within a 7-day collection period, ~44% via the urine and ~42% via the faeces. Majority of the material was excreted as metabolites.

PHARMACEUTICAL PARTICULARS

PRESENTATION & STORAGE: LYNPARZA 150 mg tablet is a green to green/grey, oval, bi-convex tablet debossed with 'OP150' on one side and plain on the reverse. LYNPARZA 100 mg tablet is a yellow to dark yellow, oval, bi-convex tablet debossed with 'OP100' on one side and plain on the reverse.

This medicinal product does not require any special temperature storage conditions.

SHELF LIFE: Please refer outer carton.

LYNPARZA® is a trademark of AstraZeneca group of companies.

For Further information contact: AstraZeneca Pharma India Ltd., Block N1, 12th Floor, Manyata Embassy Business Park, Rachenahalli, Outer Ring Road, Bengaluru – 560 045 | www.astrazenecaindia.com

For more information, refer full prescribing information Version 10, dated 16th Aug 2022. API Version 6 Dated 22nd Aug 2022.

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