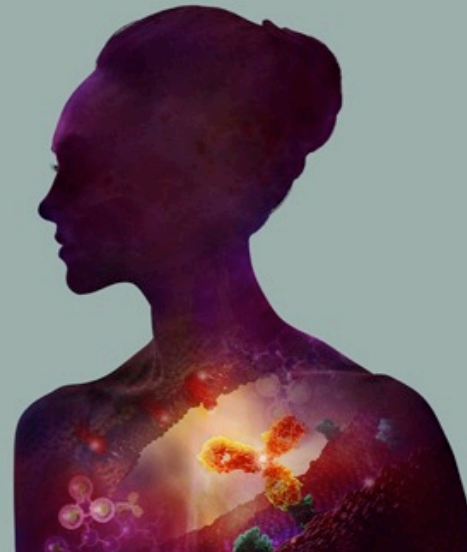


Investor science conference call: European Society for Medical Oncology (ESMO) Congress 2019

Conference call for investors and analysts

30 September 2019



Forward-looking statements

In order, among other things, to utilise the 'safe harbour' provisions of the US Private Securities Litigation Reform Act 1995, we are providing the following cautionary statement: This document contains certain forward-looking statements with respect to the operations, performance and financial condition of the Group, including, among other things, statements about expected revenues, margins, earnings per share or other financial or other measures. Although we believe our expectations are based on reasonable assumptions, any forward-looking statements, by their very nature, involve risks and uncertainties and may be influenced by factors that could cause actual outcomes and results to be materially different from those predicted. The forward-looking statements reflect knowledge and information available at the date of preparation of this document and AstraZeneca undertakes no obligation to update these forward-looking statements. We identify the forward-looking statements by using the words 'anticipates', 'believes', 'expects', 'intends' and similar expressions in such statements. Important factors that could cause actual results to differ materially from those contained in forward-looking statements, certain of which are beyond our control, include, among other things: the loss or expiration of, or limitations to, patents, marketing exclusivity or trademarks, or the risk of failure to obtain and enforce patent protection; effects of patent litigation in respect of IP rights; the impact of any delays in the manufacturing, distribution and sale of any of our products; the impact of any failure by third parties to supply materials or services; the risk of failure of outsourcing; the risks associated with manufacturing biologics; the risk that R&D will not yield new products that achieve commercial success; the risk of delay to new product launches; the risk that new products do not perform as we expect; the risk that strategic alliances and acquisitions, including licensing and collaborations, will be unsuccessful; the risks from pressures resulting from generic competition; the impact of competition, price controls and price reductions; the risks associated with developing our business in emerging markets; the risk of illegal trade in our products; the difficulties of obtaining and maintaining regulatory approvals for products; the risk that regulatory approval processes for biosimilars could have an adverse effect on future commercial prospects; the risk of failure to successfully implement planned cost reduction measures through productivity initiatives and restructuring programmes; the risk of failure of critical processes affecting business continuity; economic, regulatory and political pressures to limit or reduce the cost of our products; failure to achieve strategic priorities or to meet targets or expectations; the risk of substantial adverse litigation/government investigation claims and insufficient insurance coverage; the risk of substantial product liability claims; the risk of failure to adhere to applicable laws, rules and regulations; the risk of failure to adhere to applicable laws, rules and regulations relating to anti-competitive behaviour; the impact of increasing implementation and enforcement of more stringent anti-bribery and anti-corruption legislation; taxation risks; exchange rate fluctuations; the risk of an adverse impact of a sustained economic downturn; political and socio-economic conditions; the risk of environmental liabilities; the risk of occupational health and safety liabilities; the risk associated with pensions liabilities; the impact of failing to attract and retain key personnel and to successfully engage with our employees; the risk of misuse of social medial platforms and new technology; and the risk of failure of information technology and cybercrime. Nothing in this presentation / webcast should be construed as a profit forecast.



Speakers



Pascal Soriot
Executive Director and
Chief Executive Officer



Dave Fredrickson
Executive Vice President,
Oncology Business Unit



Dr. Isabelle Ray-Coquard
Primary investigator of the
Lynparza Phase III PAOLA-1
trial



José Baselga
Executive Vice President,
Oncology R&D



Agenda

Introduction

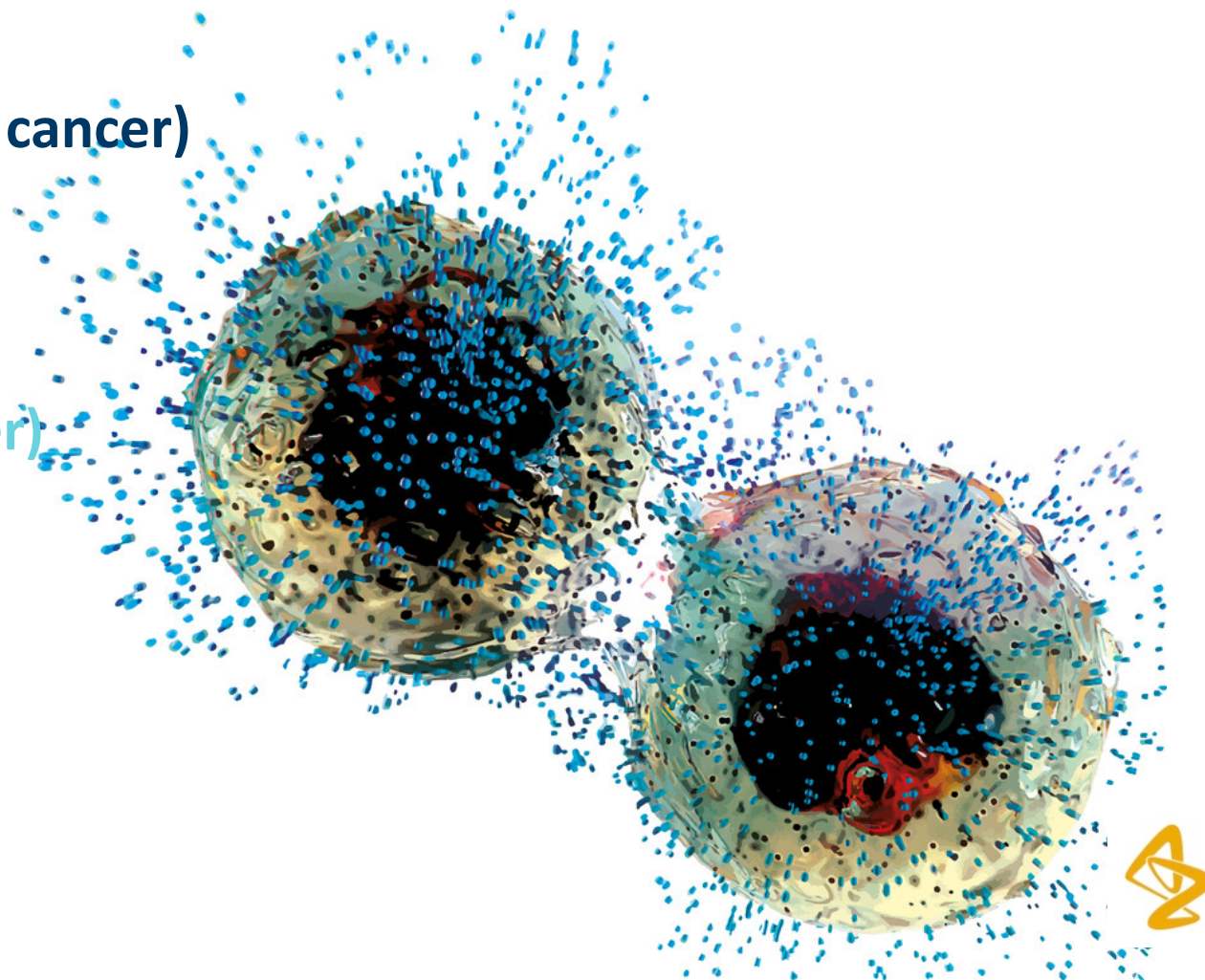
Lynparza's Phase III PAOLA-1 trial (ovarian cancer)

Other Phase III data at ESMO 2019

-*Lynparza's* PROfound trial (prostate cancer)





-*Tagrisso's* FLAURA trial (lung cancer)

Closing and Q&A



Oncology: strategy

A leading, diversified oncology business

Lung cancer	Multiple cancers	Multiple cancers	Haematology	
 TAGRISSO [®] osimertinib	 IMFINZI [™] durvalumab <small>Injection for Intravenous Use 50 mg/mL</small>	 Lynparza [™] olaparib	 CALQUENCE [®] (acalabrutinib) 100 mg capsules	
<ul style="list-style-type: none">• Stage IV NSCLC¹ T790Mm² / EGFRm³• Next: adjuvant, Stage III	<ul style="list-style-type: none">• Unresectable, Stage III NSCLC• Next: early/advanced stages in several cancers	<ul style="list-style-type: none">• Ovarian, breast cancers• MRK collaboration• Next: pancreatic, prostate cancers	<ul style="list-style-type: none">• DS⁴ collaboration• Next: HER2+⁵ breast, gastric cancers; HER2-low cancers	<ul style="list-style-type: none">• First medicine in haematology• MCL⁶ launched• CLL⁷ data started• Next: combinations

‘What’s next’: rich early to mid-stage pipeline, including combinations

1. Non-small cell lung cancer 2. Substitution of threonine (T) with methionine (M) at position 790 of exon 20 mutation 3. Epidermal growth factor receptor mutation 4. Daiichi Sankyo 5. Human epidermal growth factor receptor 2 positive 6. Mantle cell lymphoma 7. Chronic lymphocytic leukaemia.



AstraZeneca redefines cancer treatment at ESMO 2019

>60 abstracts accepted, five presidential and seven oral presentations

Key Phase III presentations

- **Tagrisso**

FLAURA OS¹ - EGFRm NSCLC

- **Lynparza**

PAOLA-1 - ovarian cancer

PROfound - prostate cancer

- **Imfinzi**

CASPIAN - SCLC²

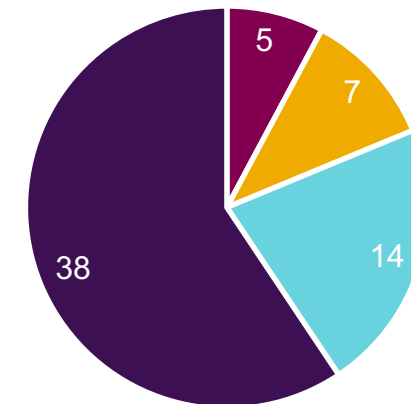
- **Faslodex OS**

MONARCH2 - breast cancer

MONALEESA-3 - breast cancer

ESMO abstracts

- Over 60 abstracts, including **five presidential** and **seven oral presentations**
- Five late-breaking abstracts
- Externally sponsored c. 40% of total



■ Presidential presentations ■ Oral presentations ■ Poster discussions ■ Posters



Agenda

Introduction

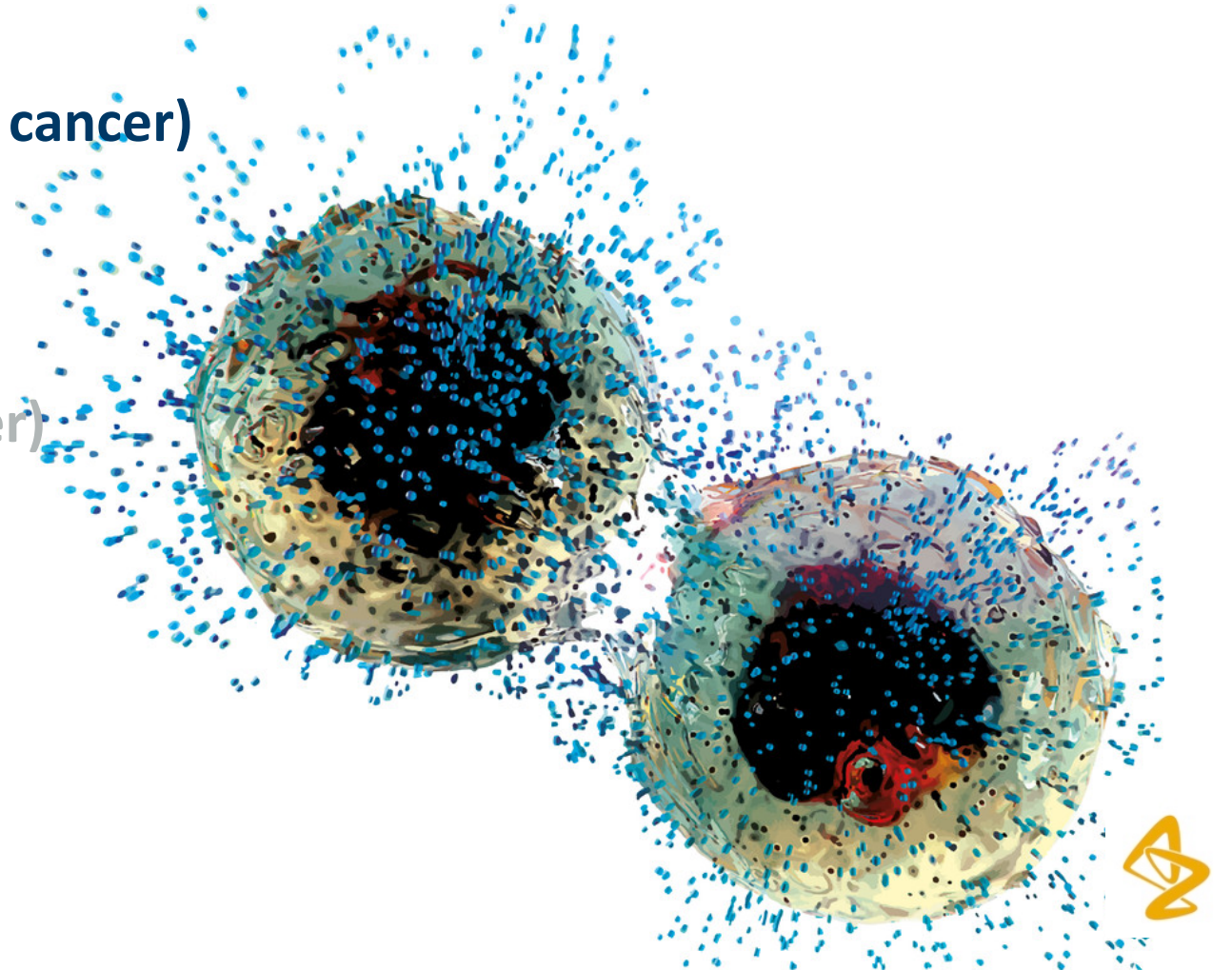
***Lynparza's* Phase III PAOLA-1 trial (ovarian cancer)**

Other Phase III data at ESMO 2019

-*Lynparza's* PROfound trial (prostate cancer)

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Closing and Q&A

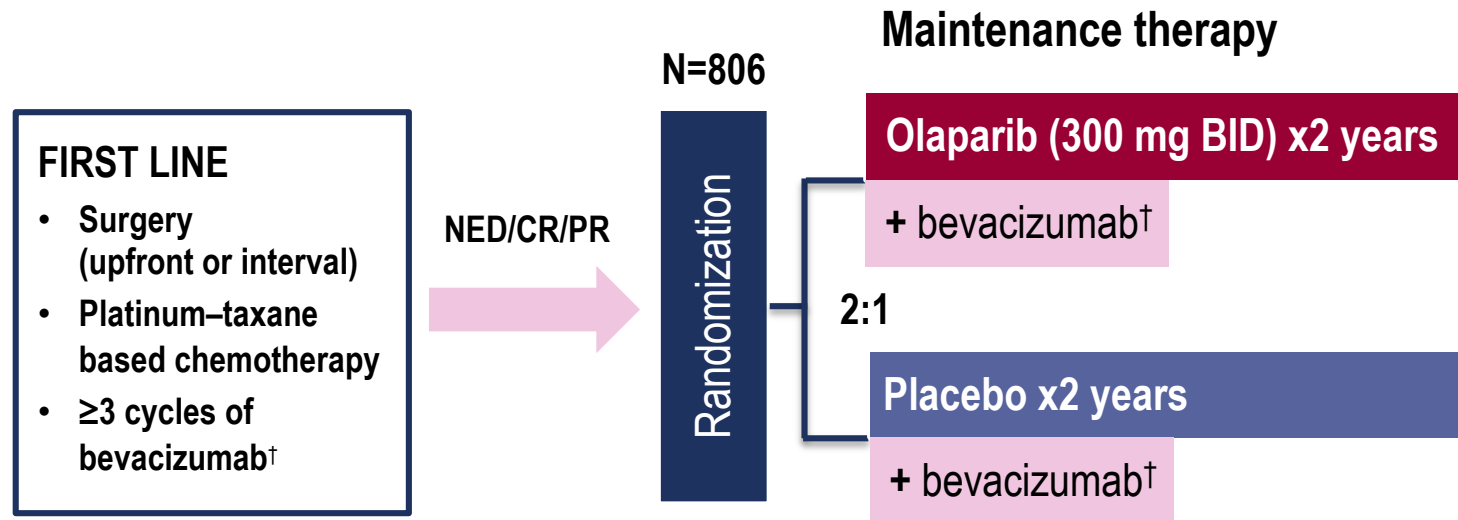


Lynparza's Phase III PAOLA-1 trial | 1



Study design

Newly diagnosed FIGO stage III–IV high-grade serous/endometrioid ovarian, fallopian tube or primary peritoneal cancer*



Stratification

- Tumour *BRCAm* status[‡]
- First-line treatment outcome[¶]



*Patients with other epithelial non-mucinous ovarian cancer were eligible if they had a germline *BRCA1* and/or *BRCA2* mutation

[†]Bevacizumab: 15 mg/kg, every 3 weeks for a total of 15 months, including when administered with chemotherapy; [‡]By central labs; [¶]According to timing of surgery and NED/CR/PR
BID, twice daily; *BRCAm*, *BRCA1* and/or *BRCA2* mutation; CR, complete response; NED, no evidence of disease; PR, partial response



Lynparza's Phase III PAOLA-1 trial | 2



Patient disposition

		Olaparib + bevacizumab	Placebo + bevacizumab
Randomized, n		537	269
Treated, n (%)		535 (99.6)	267 (99.3)
Discontinued study treatment, n (%)		331 (62)	194 (73)
	Disease progression per RECIST	182 (34)	155 (58)
	Disease progression non-RECIST	14 (3)	13 (5)
	TEAE	109 (20)	13 (5)
	Patient decision	17 (3)	10 (4)
	Death	1 (<1)	3 (1)
	Other*	8 (1)	0
Median duration of treatment, months (range)	Olaparib/placebo	17.3 (0.03–33.0)	15.6 (0.07–26.2)
	Bevacizumab	11.0 (0.69–21.4)	10.6 (0.69–17.1)
Median duration of follow-up, months		24.0	22.7



Lynparza's Phase III PAOLA-1 trial | 3



Summary of AEs

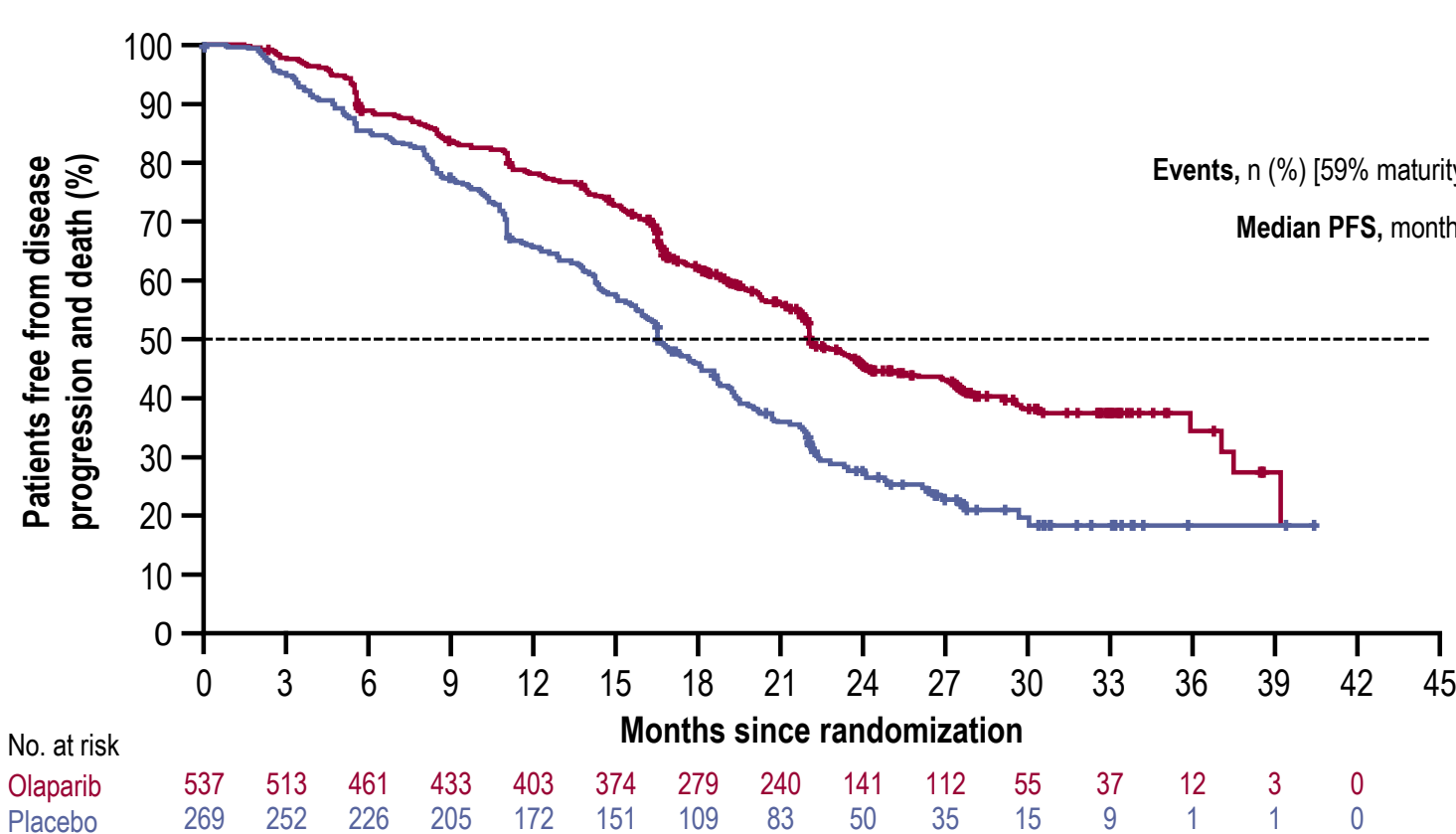
	Olaparib + bevacizumab (N=535)	Placebo + bevacizumab (N=267)
All grade TEAEs, n (%)	531 (99)	256 (96)
Grade ≥3 TEAEs, n (%)	303 (57)	136 (51)
SAEs, n (%)	167 (31)	83 (31)
Deaths, n (%)	1 (<1)	4 (1)
Dose interruptions due to AEs, n (%)	291 (54)	65 (24)
Dose reductions due to AEs, n (%)	220 (41)	20 (7)
Discontinuations due to AEs, n (%)	109 (20)	15 (6)



Lynparza's Phase III PAOLA-1 trial | 4



PFS by investigator assessment: ITT population



Median time from first cycle of chemotherapy to randomization = 7 months



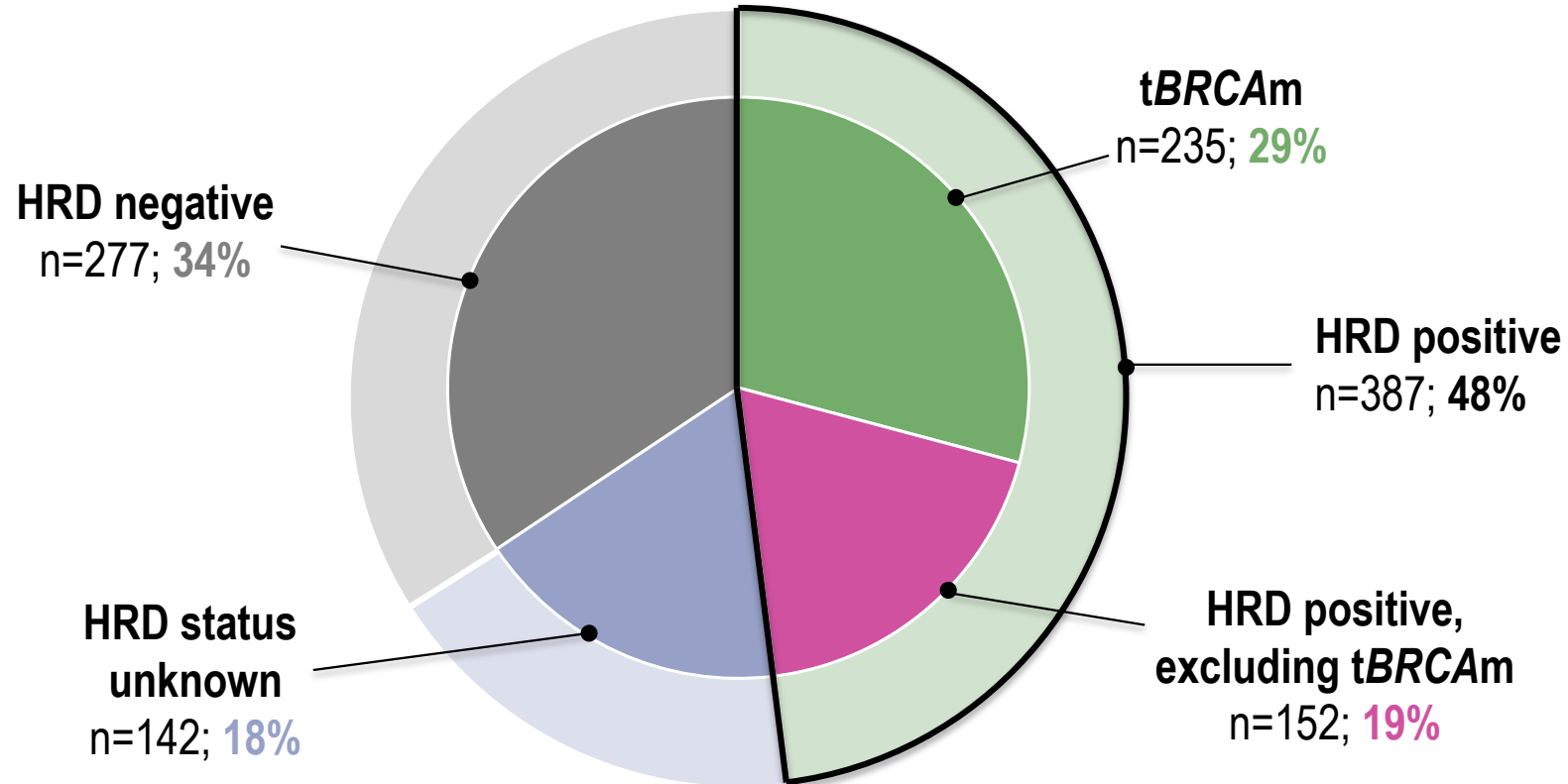
ITT, intent-to-treat population



Lynparza's Phase III PAOLA-1 trial | 5



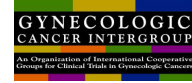
Biomarker subgroups in PAOLA-1/ENGOT-ov25



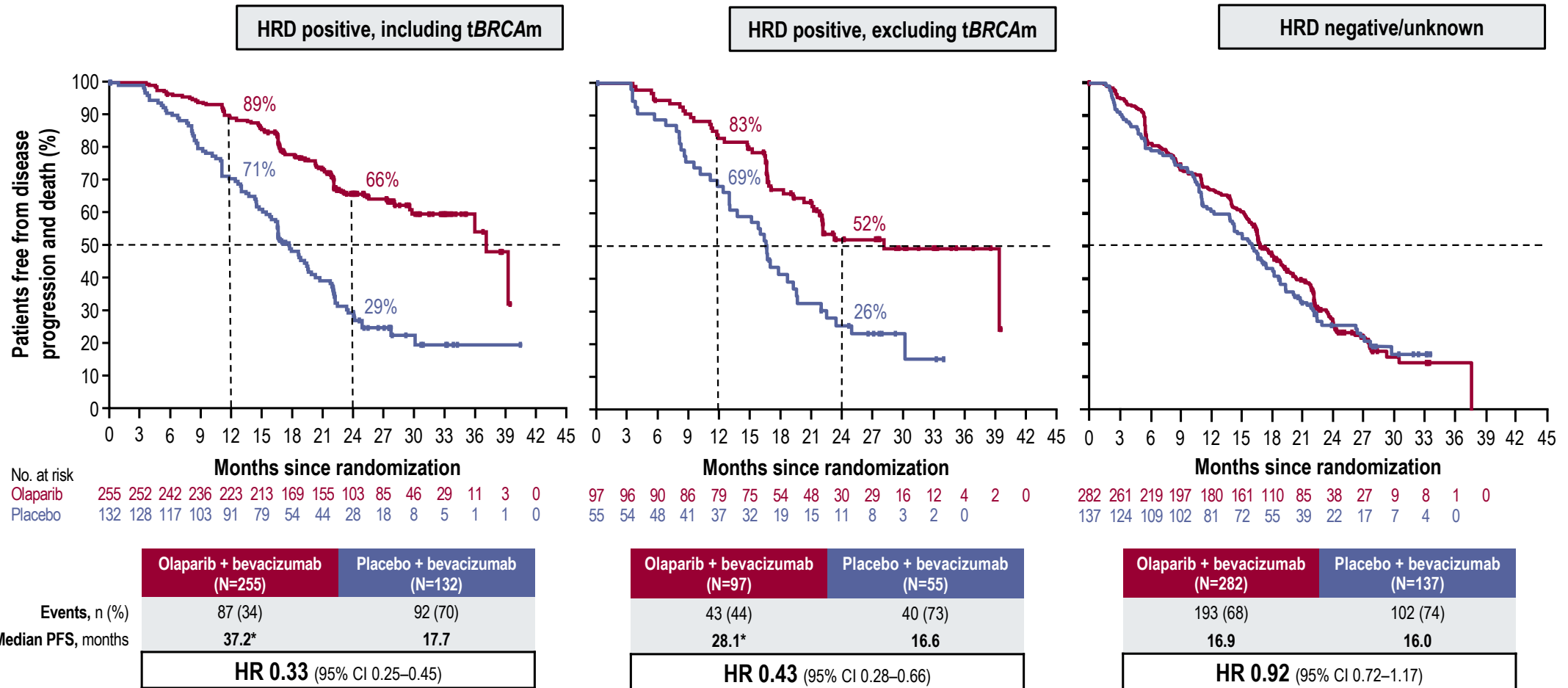
HRD positive is either tumour *BRCA* mutation and/or HRD score ≥ 42 by Myriad MyChoice® HRD Plus
Reasons for HRD status unknown: 4.2% missing; 2.1% fail; 11.3% inconclusive



Lynparza's Phase III PAOLA-1 trial | 6



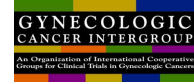
PFS by HRD status



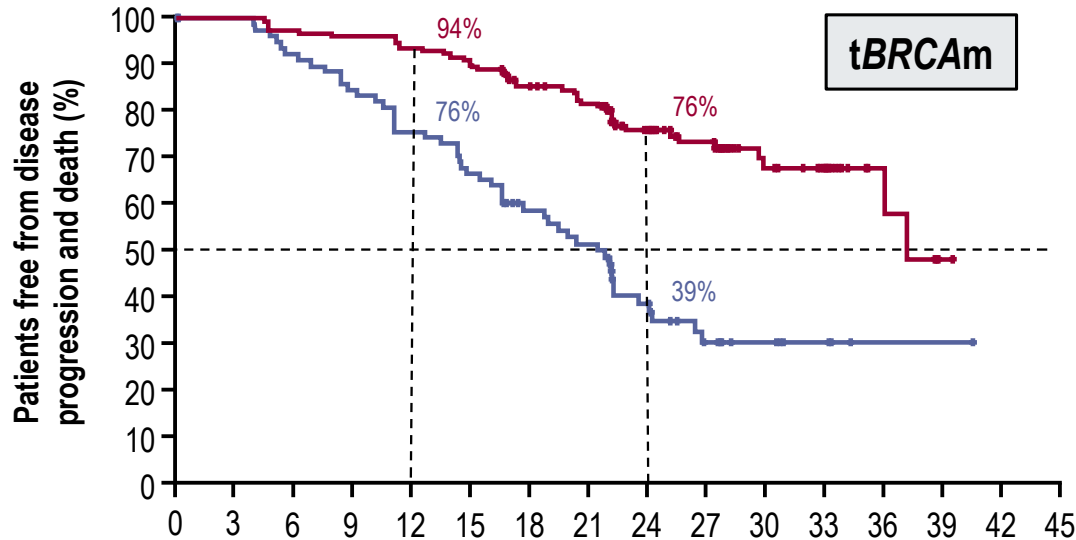
The percentages of patients progression-free at 12 months and 24 months have been calculated based on Kaplan-Meier estimates. HRD positive is an HRD score ≥ 42 . *This median is unstable due to a lack of events – less than 50% maturity



Lynparza's Phase III PAOLA-1 trial | 7



PFS by tBRCA mutation status

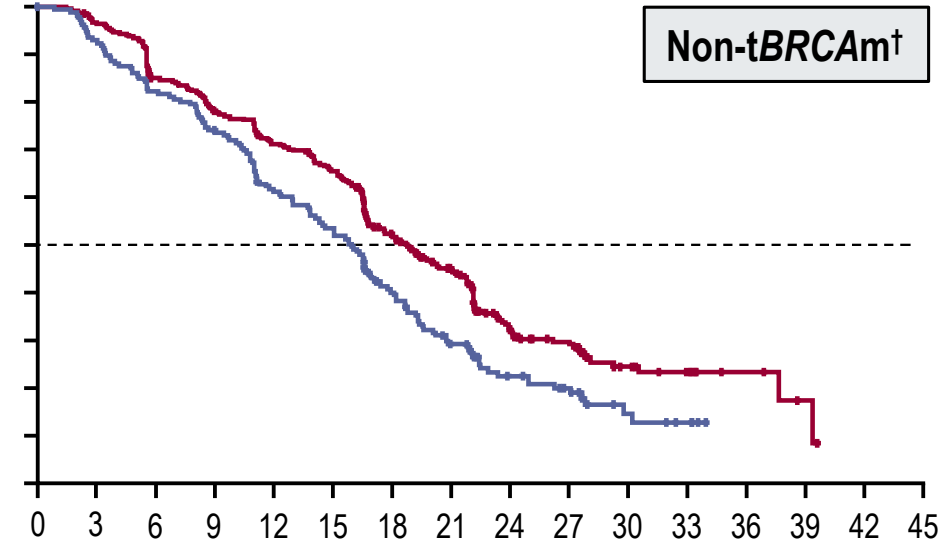


No. at risk

	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
Olaparib	157	154	150	148	144	138	117	110	76	58	31	19	7	1	0	
Placebo	80	78	72	66	59	52	41	36	22	13	7	4	1	1	0	

Months since randomization

	Olaparib + bevacizumab (N=157)	Placebo + bevacizumab (N=80)
Events, n (%)	41 (26)	49 (61)
Median PFS, months	37.2*	21.7
HR 0.31 (95% CI 0.20–0.47)		



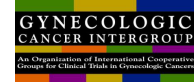
	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
Olaparib	380	359	311	285	259	236	162	130	65	54	24	18	5	2	0	
Placebo	189	174	154	139	113	99	68	47	28	22	8	5	0			

Months since randomization

	Olaparib + bevacizumab (N=380)	Placebo + bevacizumab (N=189)
Events, n (%)	239 (63)	145 (77)
Median PFS, months	18.9	16.0
HR 0.71 (95% CI 0.58–0.88)		

The percentages of patients progression-free at 12 months and 24 months have been calculated based on Kaplan-Meier estimates. *This median is unstable due to a lack of events – less than 50% maturity; †Includes tBRCA unknown





Conclusions

- PAOLA-1/ENGOT-ov25 included a broad, front-line population of advanced ovarian cancer patients which was not restricted by surgical outcome or *BRCA* mutation status
- PAOLA-1/ENGOT-ov25 met its primary objective, demonstrating a statistically significant improvement in PFS in the ITT population when olaparib compared with placebo was added to first-line standard-of-care bevacizumab maintenance treatment
- Prespecified subgroup analyses showed that patients with *tBRCA* mutations and patients with a positive HRD status had the greatest PFS benefits
 - The results reveal a patient population beyond *tBRCA*m patients, who are HRD positive, that experiences substantial benefit from maintenance treatment with olaparib and bevacizumab
- The safety profile of olaparib in combination with bevacizumab was generally consistent with previous trials of each drug and the addition of olaparib did not impact on bevacizumab tolerability and HRQoL



Agenda

Introduction

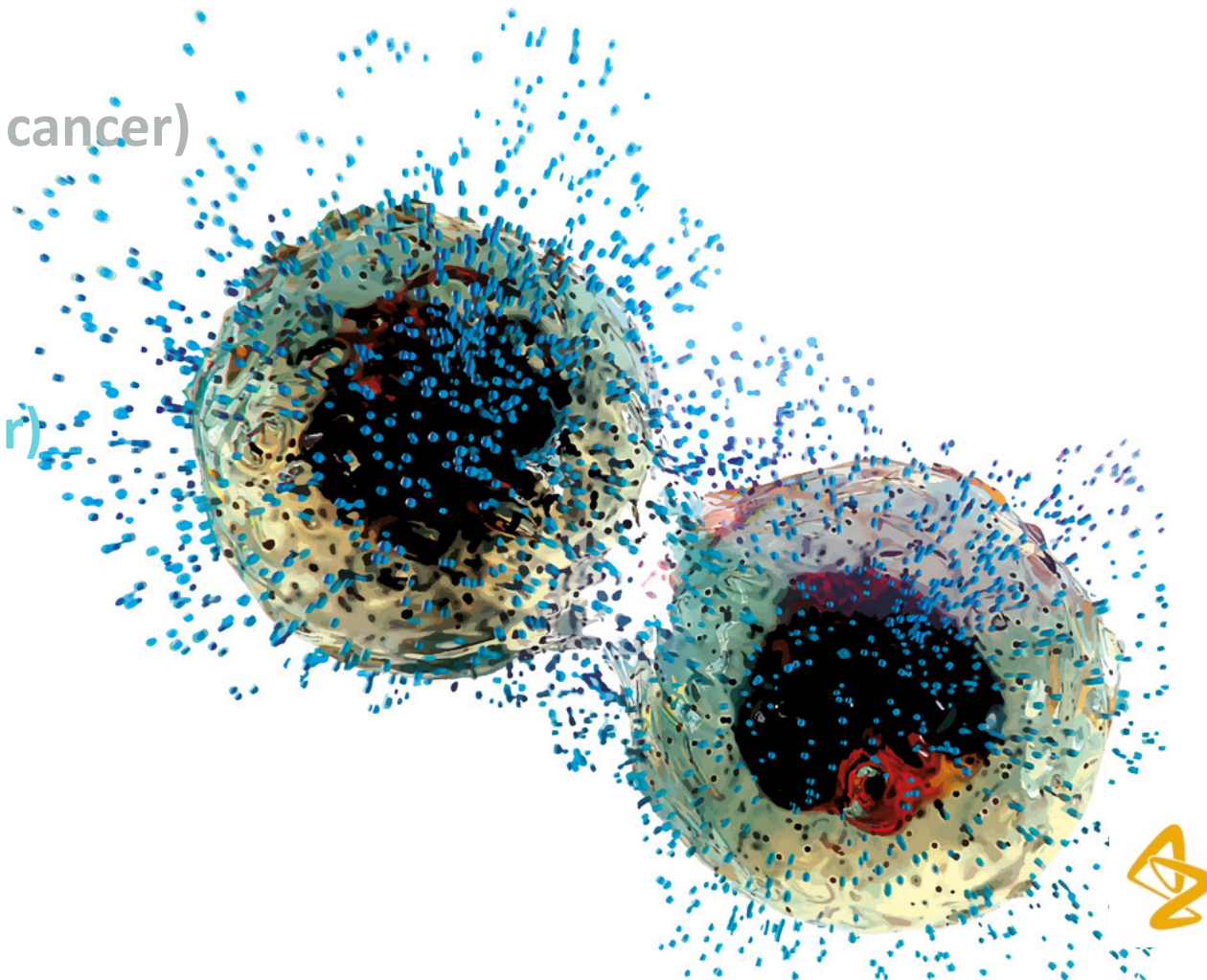
Lynparza's Phase III PAOLA-1 trial (ovarian cancer)

Other Phase III data at ESMO 2019

-*Lynparza's* PROfound trial (prostate cancer)

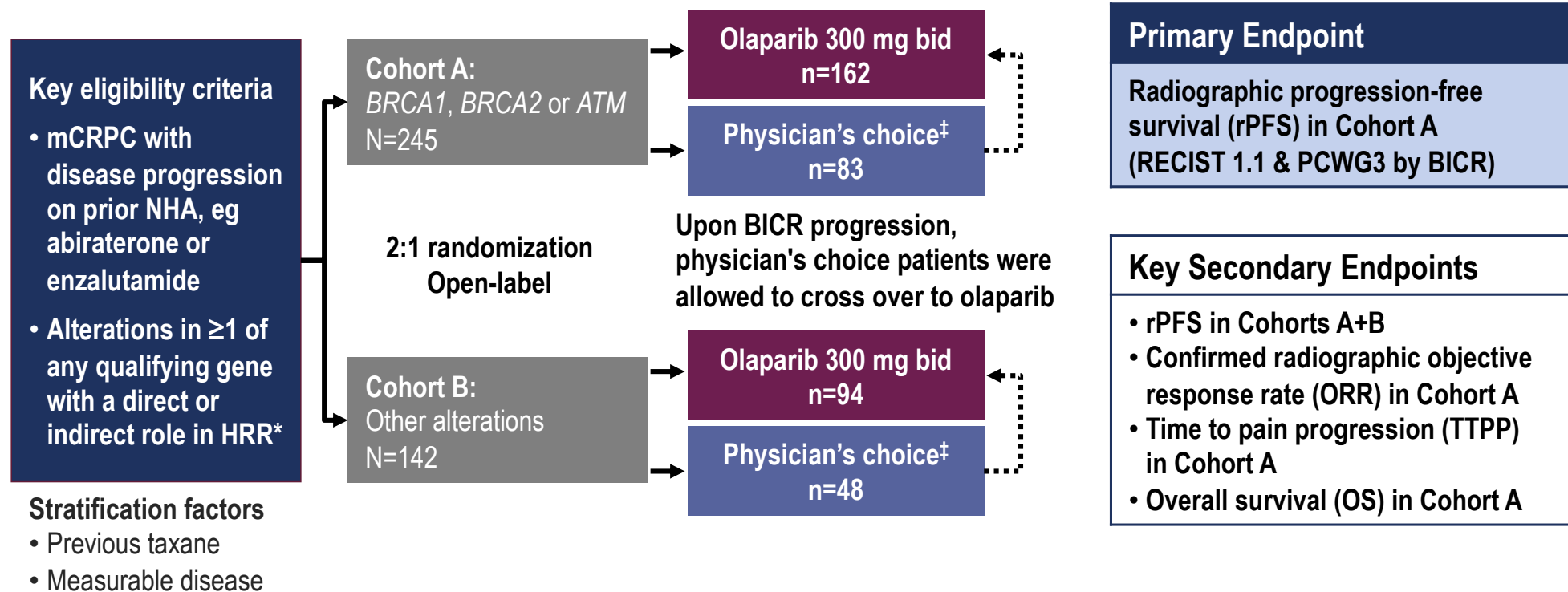
-*Tagrisso's* FLAURA trial (lung cancer)

Closing and Q&A



Lynparza's Phase III PROfound trial | 1

STUDY DESIGN



*An investigational Clinical Trial Assay, based on the FoundationOne® CDx next-generation sequencing test, and developed in partnership with Foundation Medicine Inc, was used to prospectively select patients harboring alterations in the following genes in their tumor tissue: *BRCA1, BRCA2, ATM, BARD1, BRIP1, CDK12, CHEK1, CHEK2, FANCL, PALB2, PPP2R2A, RAD51B, RAD51C, RAD51D or RAD54L*

[‡]Physician's choice of either enzalutamide (160 mg qd) or abiraterone (1000 mg qd plus prednisone [5 mg bid])
BICR, blinded independent central review



Lynparza's Phase III PROfound trial | 2

SAFETY SUMMARY IN THE OVERALL POPULATION (COHORTS A+B)

Median treatment duration: Olaparib, 7.4 months; Physician's choice 3.9 months

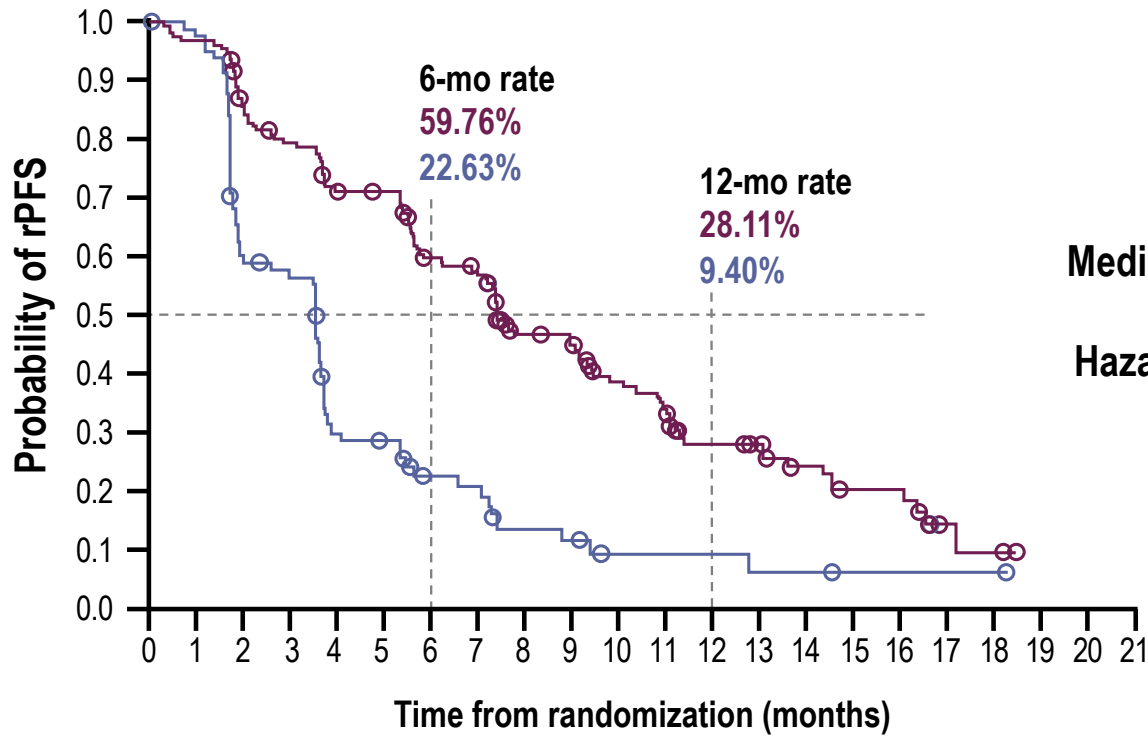
	Olaparib (N=256)	Physician's choice (N=130)
Any AE, n (%)	244 (95.3)	114 (87.7)
Any AE of CTCAE grade 3 or higher, n (%)	130 (50.8)	49 (37.7)
Dose reduction due to AE, n (%)	57 (22.3)	5 (3.8)
Discontinuation due to AE, n (%)	42 (16.4)	11 (8.5)
Death due to AE, n (%)	10 (3.9)	5 (3.8)
Reported to be related to study treatment	1 (0.4)	1 (0.8)



Lynparza's Phase III PROfound trial | 3

Primary endpoint

rPFS BY BICR IN PATIENTS WITH ALTERATIONS IN *BRCA1*, *BRCA2*, OR *ATM* (COHORT A)



	Olaparib (N=162)	Physician's choice (N=83)
Events (%)	106 (65.4)	68 (81.9)
Median PFS (months)	7.39	3.55
Hazard ratio (95% CI)	0.34 (0.25, 0.47) <i>P</i> <0.0001	

No. at risk	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Olaparib	162	149	126	116	102	101	82	77	56	53	42	37	26	24	18	11	11	3	2	0	0	0
Physician's choice	83	79	47	44	22	20	13	12	7	6	3	3	3	2	2	1	1	1	1	0	0	0



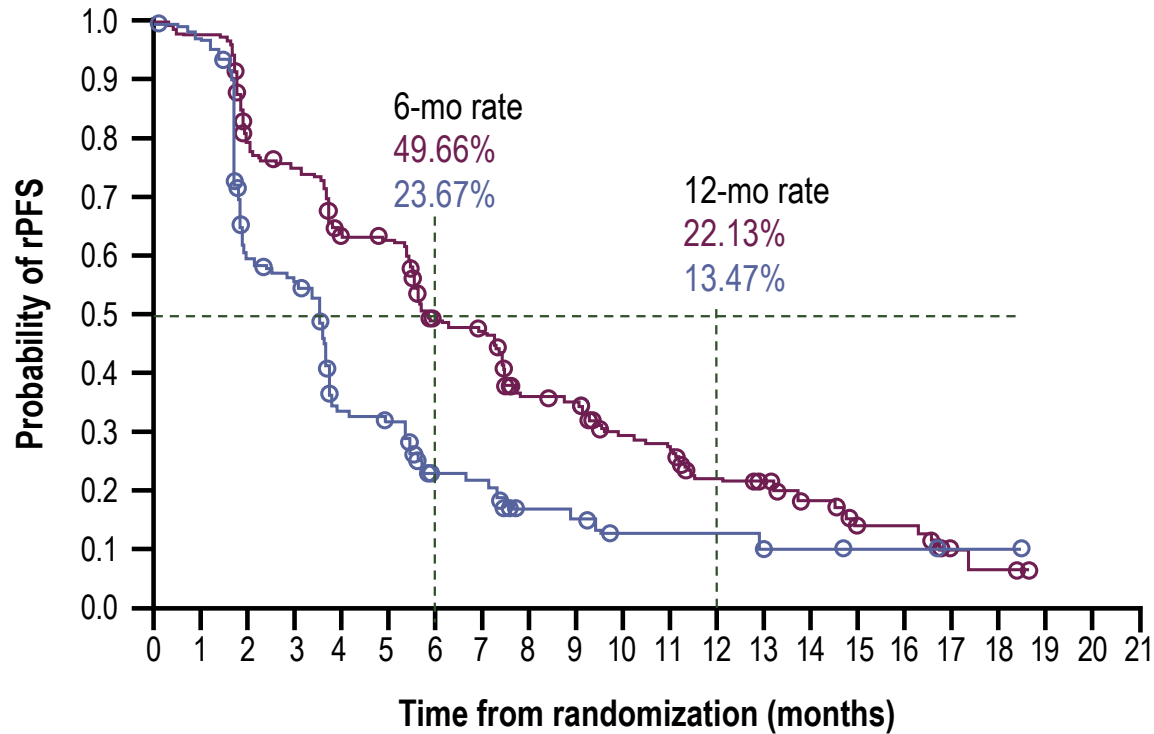
Prespecified sensitivity analysis based on investigator assessment: Hazard ratio 0.24 (95% CI 0.17, 0.34); *P*<0.0001



Lynparza's Phase III PROfound trial | 4

Key secondary endpoint

rPFS BY BICR IN THE OVERALL POPULATION (COHORTS A+B)



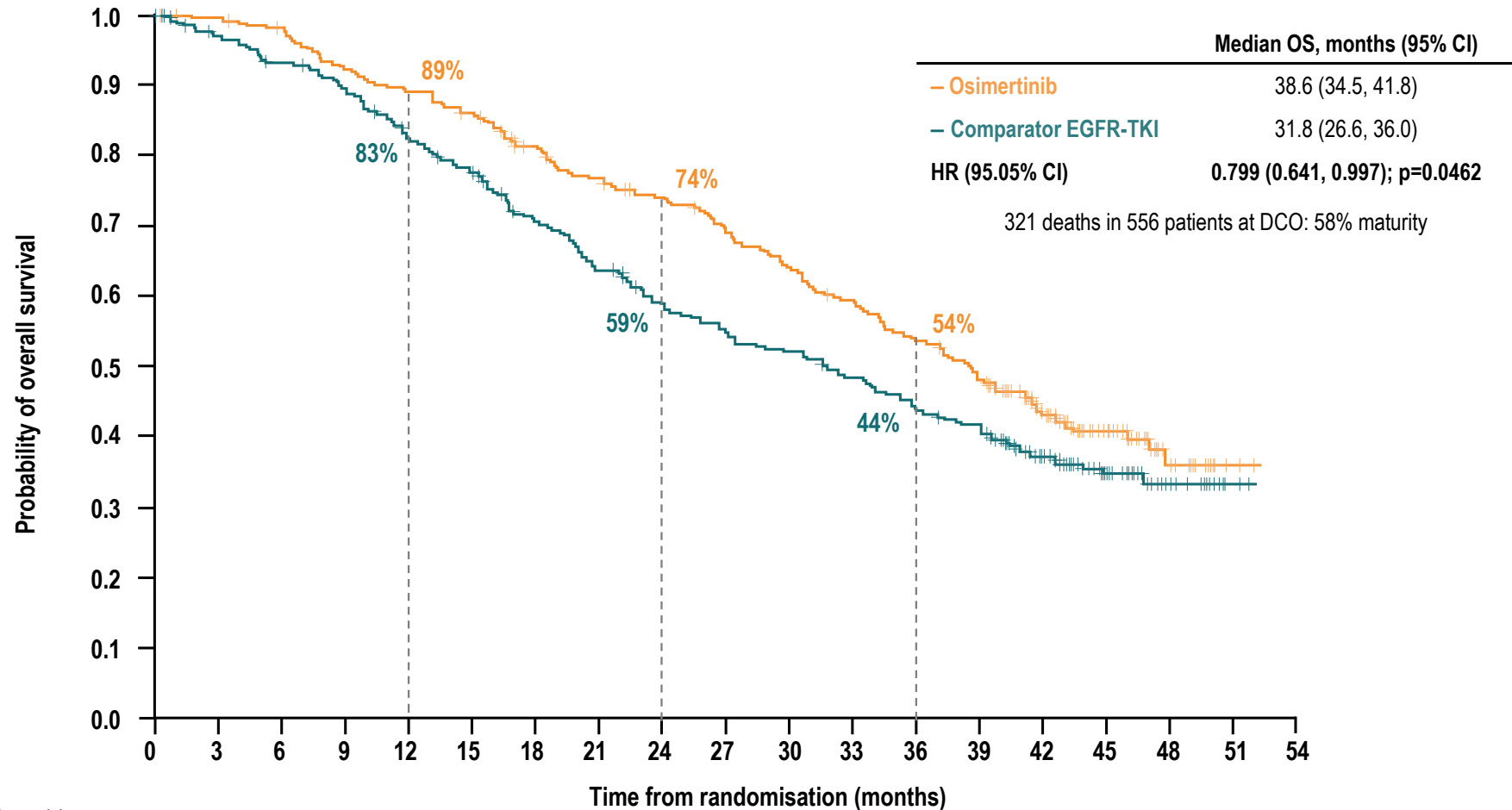
	Olaparib (N=256)	Physician's choice (N=131)
Events (%)	180 (70.3)	99 (75.6)
Median PFS (months)	5.82	3.52
Hazard ratio (95% CI)	0.49 (0.38, 0.63)	
	<i>P</i> <0.0001	

No. at risk	256	188	145	106	67	48	31	21	11	2	0	
	131	73	38	20	9	5	5	3	2	1	0	Olaparib
												Physician's choice



Tagrisso's Phase III FLAURA trial

OVERALL SURVIVAL



No. at risk	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54
Osimertinib	279	276	270	254	245	236	217	204	193	180	166	153	138	123	86	50	17	2	0
Comparator EGFR-TKI	277	263	252	239	219	205	182	165	148	138	131	121	110	101	72	40	17	2	0



FLAURA data cut-off: 25 June 2019
 For statistical significance, a p-value of less than 0.0495, determined by O'Brien-Fleming approach, was required



Agenda

Introduction

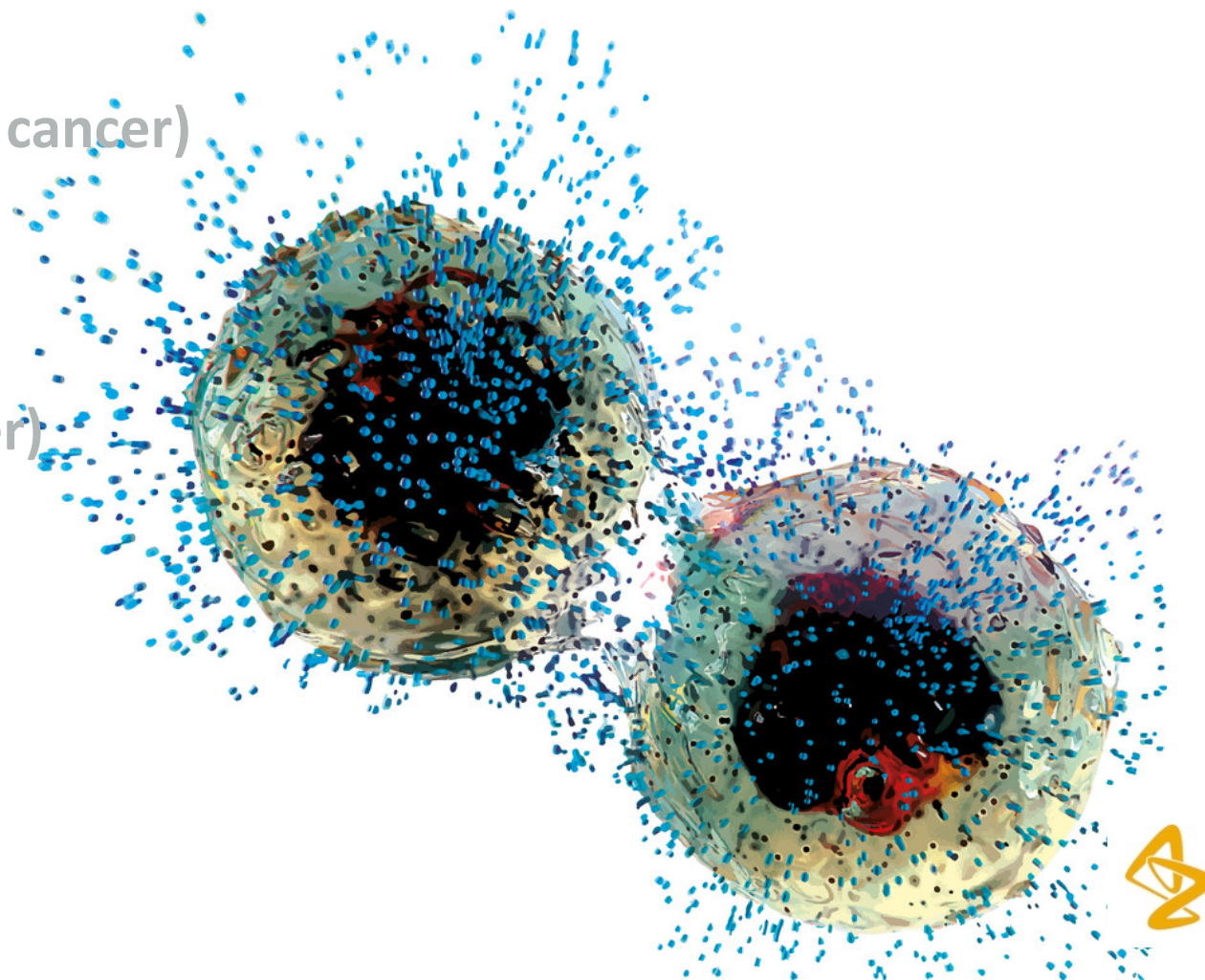
Lynparza's Phase III PAOLA-1 trial (ovarian cancer)

Other Phase III data at ESMO 2019

-*Lynparza's* PROfound trial (prostate cancer)

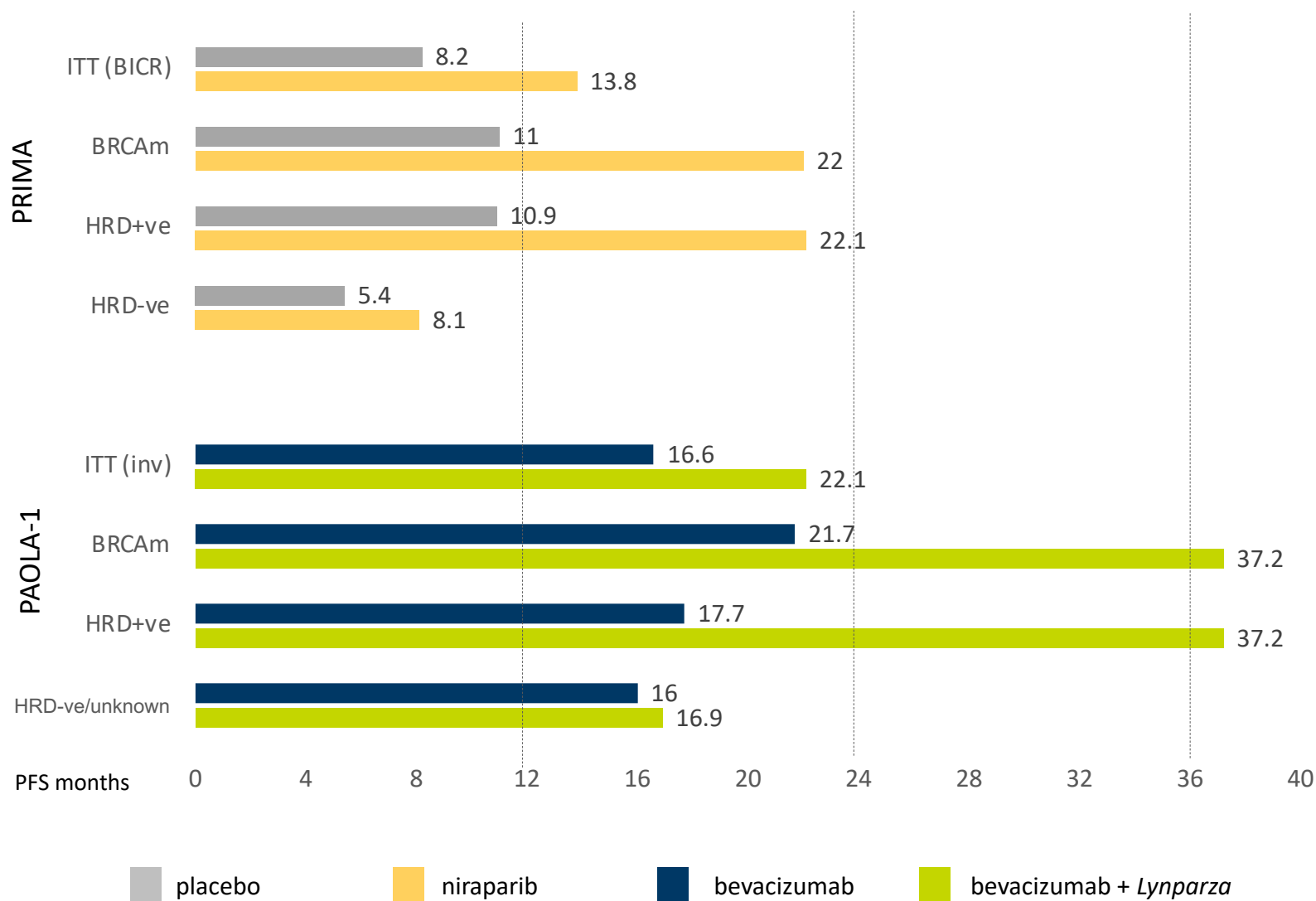
-*Tagrisso's* FLAURA trial (lung cancer)

Closing and Q&A



Summary | 1

Median PFS (mPFS) from PRIMA and PAOLA-1 trials



Difference in mPFS	PFS Hazard Ratio
5.6m (BICR)	0.62 (BICR)
11.0m	0.40
11.2m	0.43
2.7m	0.68
5.5m (BICR: 7.8m)	0.59 (BICR: 0.63)
15.5m	0.31
19.5m	0.33
0.9m	0.92*



Summary | 2

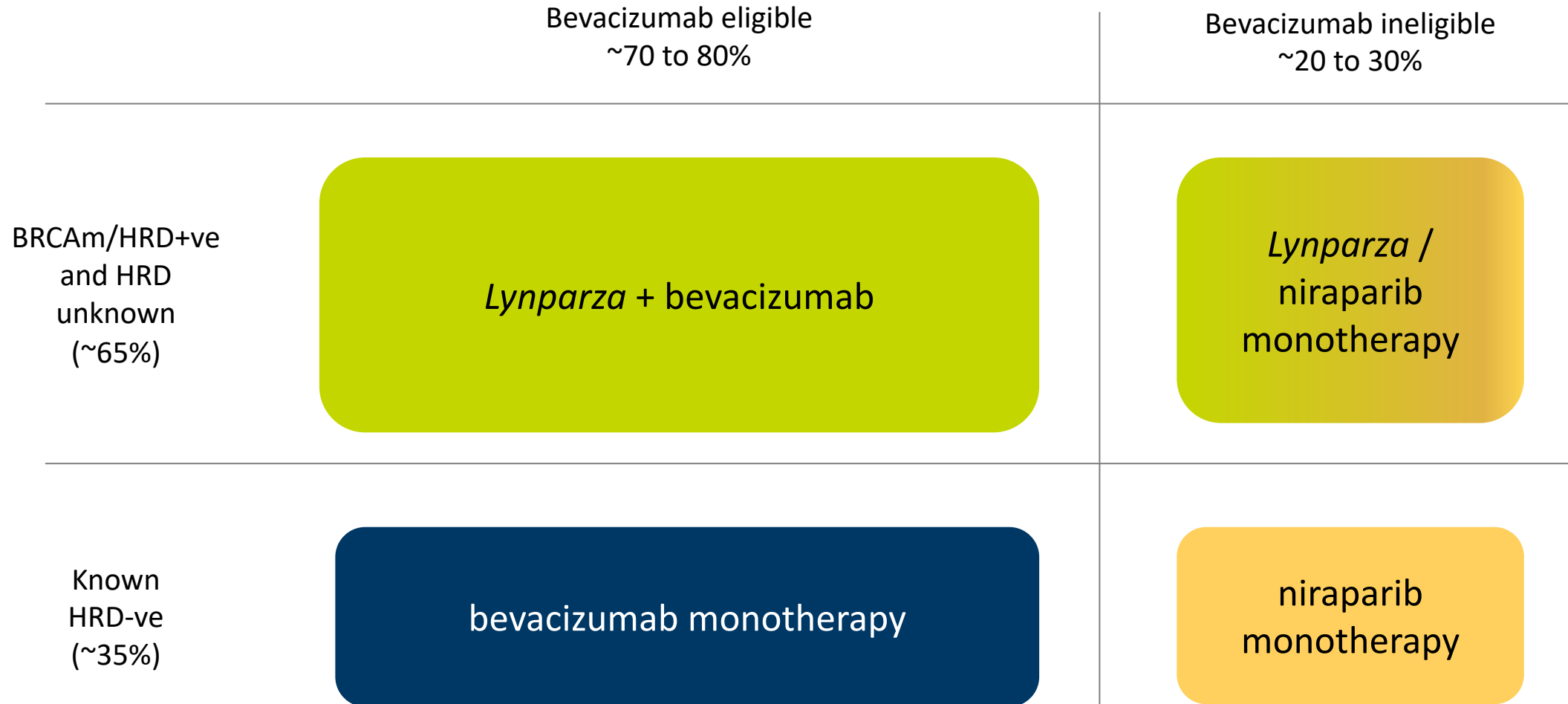
Lynparza safety supports general combinability with other medicines

	PRIMA		PAOLA-1	
	niraparib	placebo	bevacizumab + <i>Lynparza</i>	bevacizumab
Duration of follow up	13.8months*		24.0m	22.7m
Discontinuation rates for reasons other than disease progression*	18%*	5%*	24%	9%
Due to AE	12%	2%	20%	5%
Withdrew / Other Reasons	6%	3%	4%	4%
Dose reductions	71%	8%	41%	7%
Dose interruptions	80%	18%	54%	24%
AE rates				
≥ Grade 3 (with >10% pts in either trial)	71%	19%	57%	51%
Anaemia	31%	2%	17%	<1%
Neutropenia	13%	1%	6%	3%
Thrombocytopenia	29%	<1%	2%	<1%
Platelet count decrease	13%	<1%	Grouped as thrombocytopenia	Grouped as thrombocytopenia
Hypertension	NR	NR	19%	30%



Summary | 3

New options for 1st-line ovarian cancer maximising chance of cure or long-term remission



Summary | 4

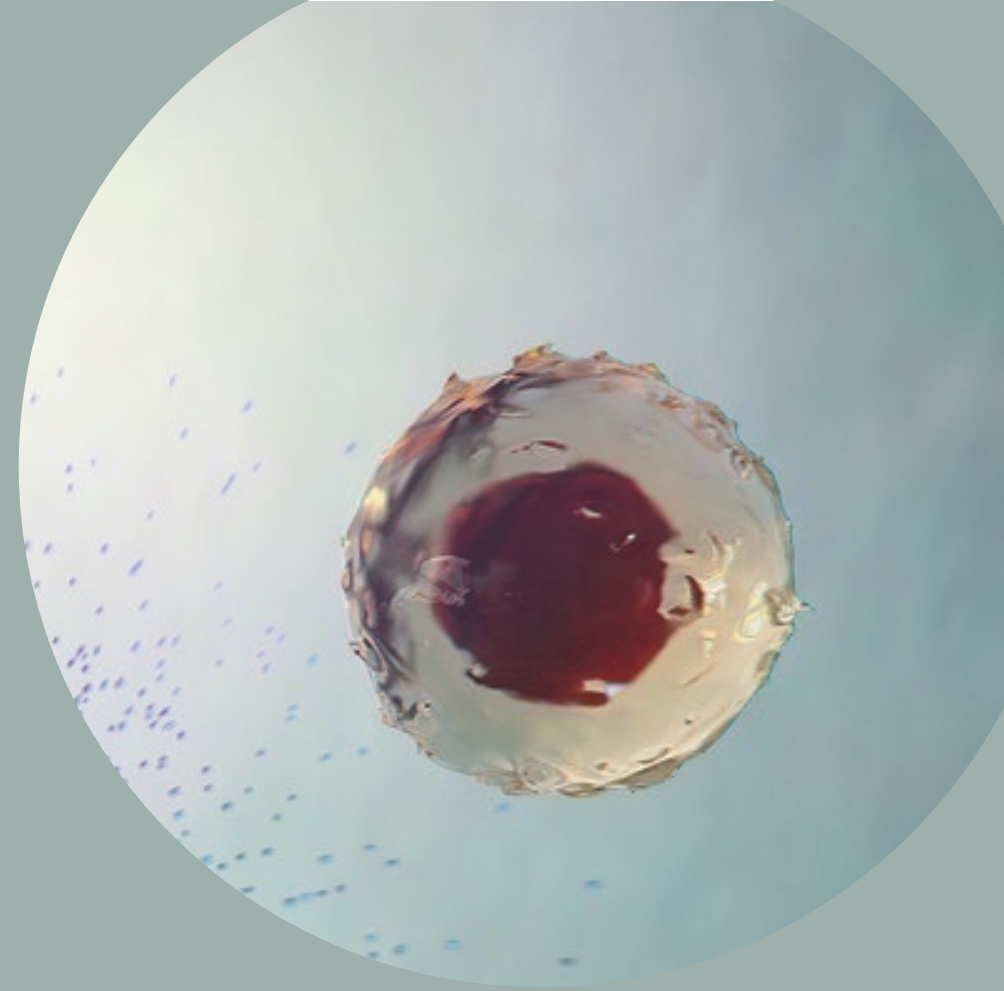
Phase III data presented at ESMO 2019

- *Lynparza* Phase III PAOLA-1 trial (ovarian cancer)
 - Bevacizumab + *Lynparza* demonstrated unprecedented median PFS in 1st-line maintenance OC¹ of >22 months in a representative ovarian cancer population not restricted by surgical outcome, with additional benefit in HRD positive patients
 - *Lynparza* is the only PARPi² with Phase III OC data as monotherapy in BRCAm or when combined with bevacizumab in all-comers patients
 - *Lynparza* is generally well tolerated with or without bevacizumab; safety was consistent with previous trials and the addition of *Lynparza* to bevacizumab did not impact on bevacizumab tolerability and health-related quality of life
- *Lynparza* Phase III PROfound trial (prostate cancer)
 - First time a positive Phase III in biomarker-selected mCRPC, in patients with BRCA1, BRCA2 and/or ATM alterations
- *Tagrisso* Phase III FLAURA trial (lung cancer)
 - Unprecedented ORR, PFS and now OS reinforces *Tagrisso* as the standard of care in 1st-line EGFRm NSCLC patients

Continuing to improve standards of care for oncology patients



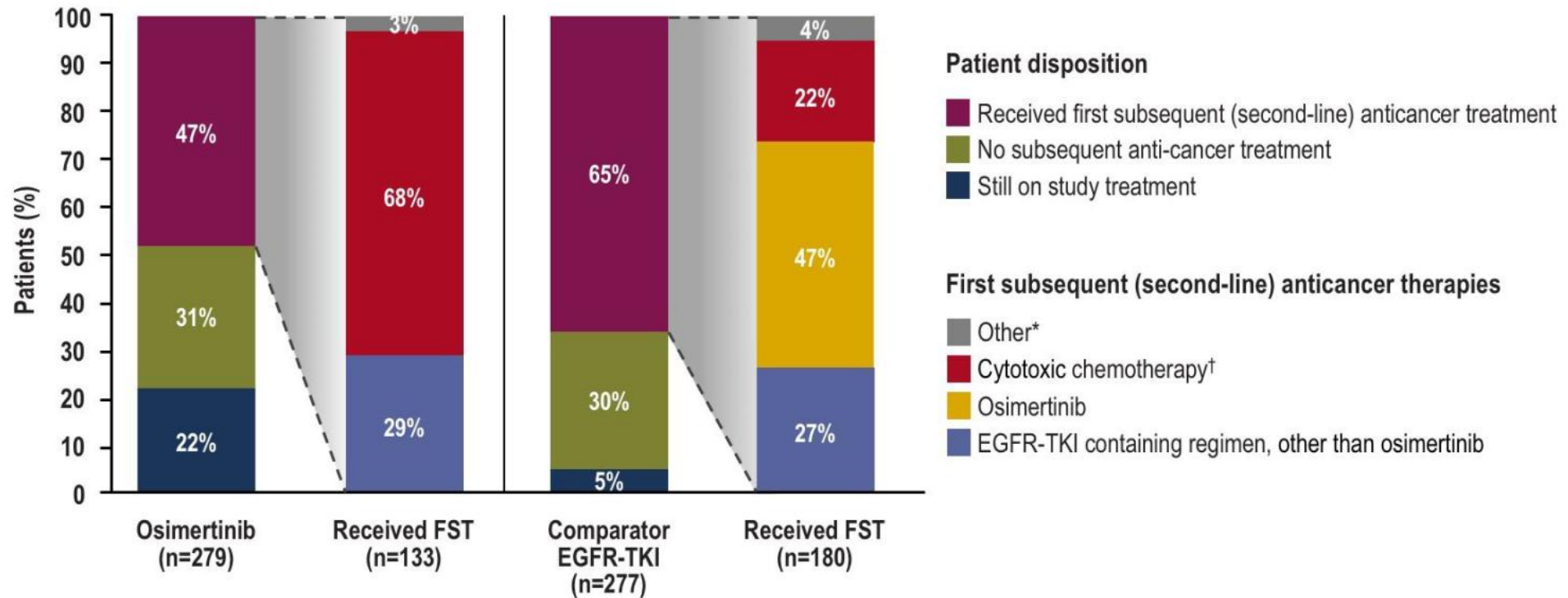
Q&A



Appendix: Tagrisso's Phase III FLAURA trial

SECOND-LINE TREATMENT FOLLOWING PROGRESSION

- Of the 180 patients in the comparator EGFR-TKI arm who received a first subsequent treatment, **85 patients (47%) crossed over to osimertinib** (31% of all patients randomised from the comparator EGFR-TKI arm)



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