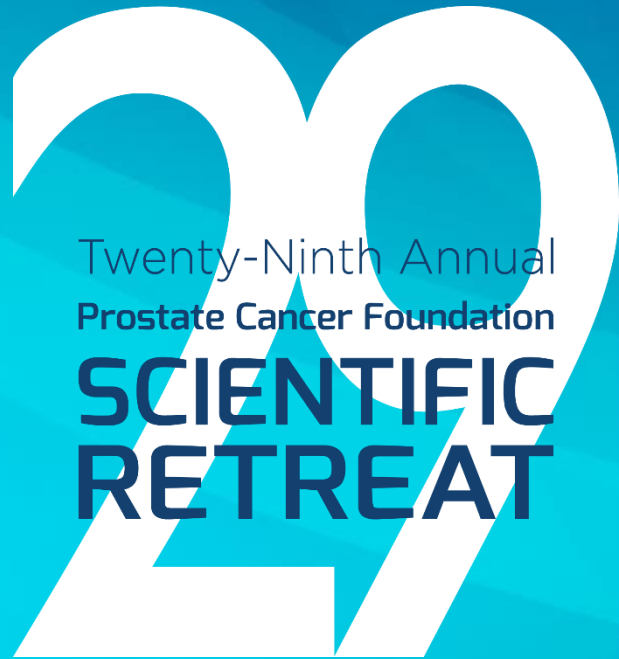




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Twenty-Ninth Annual
Prostate Cancer Foundation
**SCIENTIFIC
RETREAT**

TRITON3: A Phase 3 Study of Rucaparib vs Physician's Choice of Therapy in Metastatic Castration-Resistant Prostate Cancer Associated with Homologous Recombination Deficiency

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Disclosures

<i>Company Name</i>	<i>Honoraria/ expenses</i>	<i>Consulting/ advisory board</i>	<i>Funded research</i>	<i>Royalties/ patent</i>	<i>Stock options</i>	<i>Ownership/ equity position</i>	<i>Employee</i>	<i>Other (please specify)</i>
Clovis Oncology, Phosplatin Therapeutics								X (travel/accommodations/ expenses)
Advanced Accelerator Applications/Novartis, Astellas Pharma, AstraZeneca, Bayer, Castle Biosciences, Horizon CME, Myovant Sciences Pfizer, Research to Practice, Verity Pharmaceuticals	X							
Janssen			X					

Background

- The PARP inhibitor rucaparib received accelerated approval in the US for the treatment of mCRPC associated with a deleterious *BRCA1/2* (BRCA) mutation in patients previously treated with a second-generation API and taxane-based chemotherapy, based on data from the open-label, phase 2 TRITON2 study^{1,2}
 - In TRITON2, patients with mCRPC and a BRCA alteration treated with rucaparib had an IRR-assessed ORR of 43.5% and a PSA response rate of 54.8%¹
 - Investigator-assessed radiographic and PSA responses were observed in a limited number of patients with an *ATM* alteration (2/19 [10.5%] and 2/49 [4.1%], respectively)³
- TRITON3 is the confirmatory study for this accelerated approval
- We present top-line efficacy and safety data from TRITON3

TRITON3 Study Design



Key eligibility criteria

- Chemotherapy-naïve mCRPC
- BRCA or ATM alteration^a
- 1 prior second-generation API in any setting^b

Prior docetaxel or other taxane chemotherapy for castration-sensitive disease was permitted

Randomization 2:1

Stratification:

- ECOG PS 0 vs 1
- Hepatic metastases yes vs no
- BRCA1 vs BRCA2 vs ATM

Rucaparib
600 mg BID

Physician's choice of^c:
Docetaxel
75 mg/m² Q21D; 10 cycles max
or
Abiraterone acetate
1000 mg QD
or
Enzalutamide
160 mg QD

Endpoints^d

Primary:

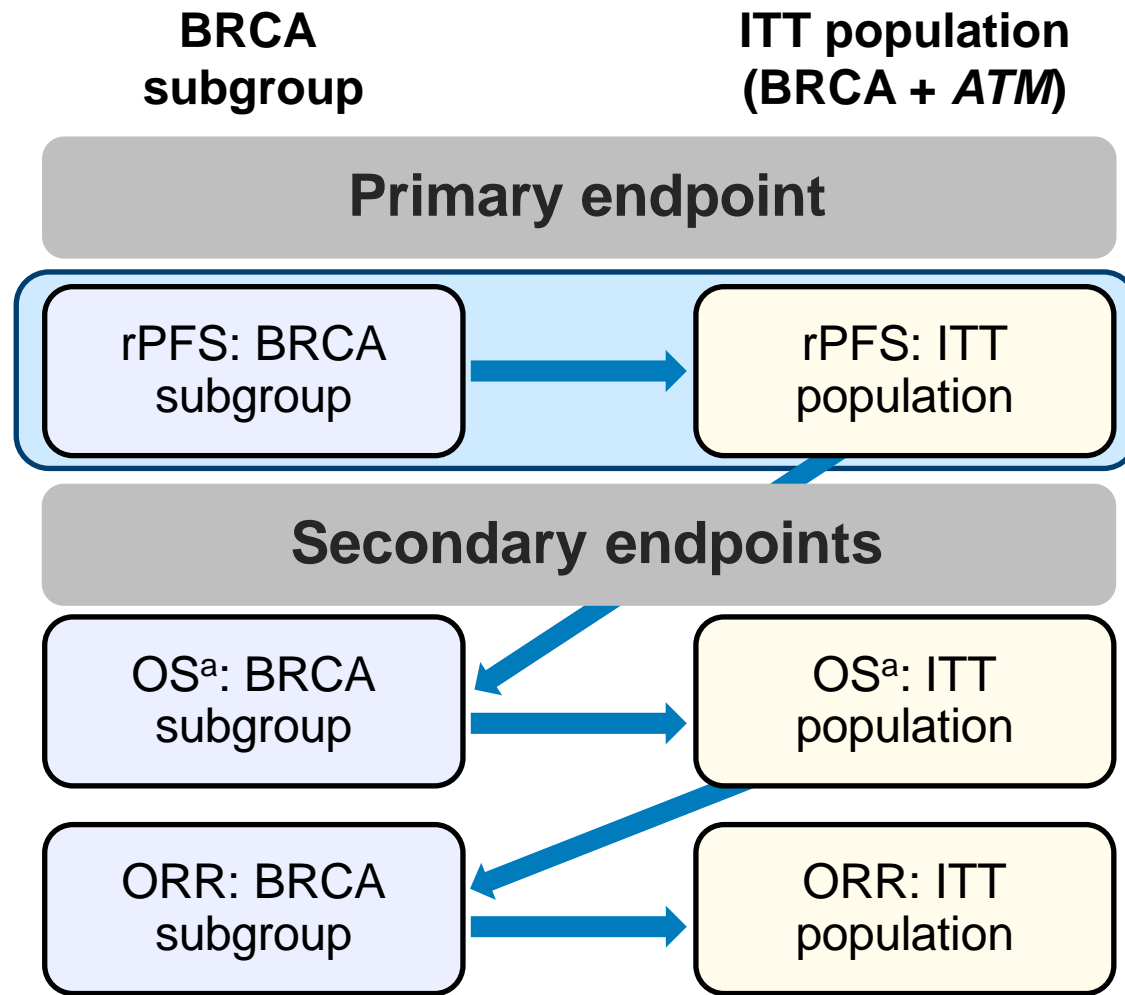
- rPFS by IRR

Key secondary:

- OS
- ORR by IRR

Patients who progress on physician's choice of treatment may be considered for crossover to rucaparib

TRITON3 Ordered Step-Down Analysis



Sample size assumptions for rPFS (primary endpoint)

	Sample size	HR
BRCA	≈300 patients	0.60
ITT	≈400 patients (ATM ≈100 patients ^b)	0.67

- The primary endpoint was first tested in the BRCA population and then, if statistically significant, in the ITT population
 - Analysis for secondary endpoints continued in the same manner

Baseline Characteristics (ITT Population)

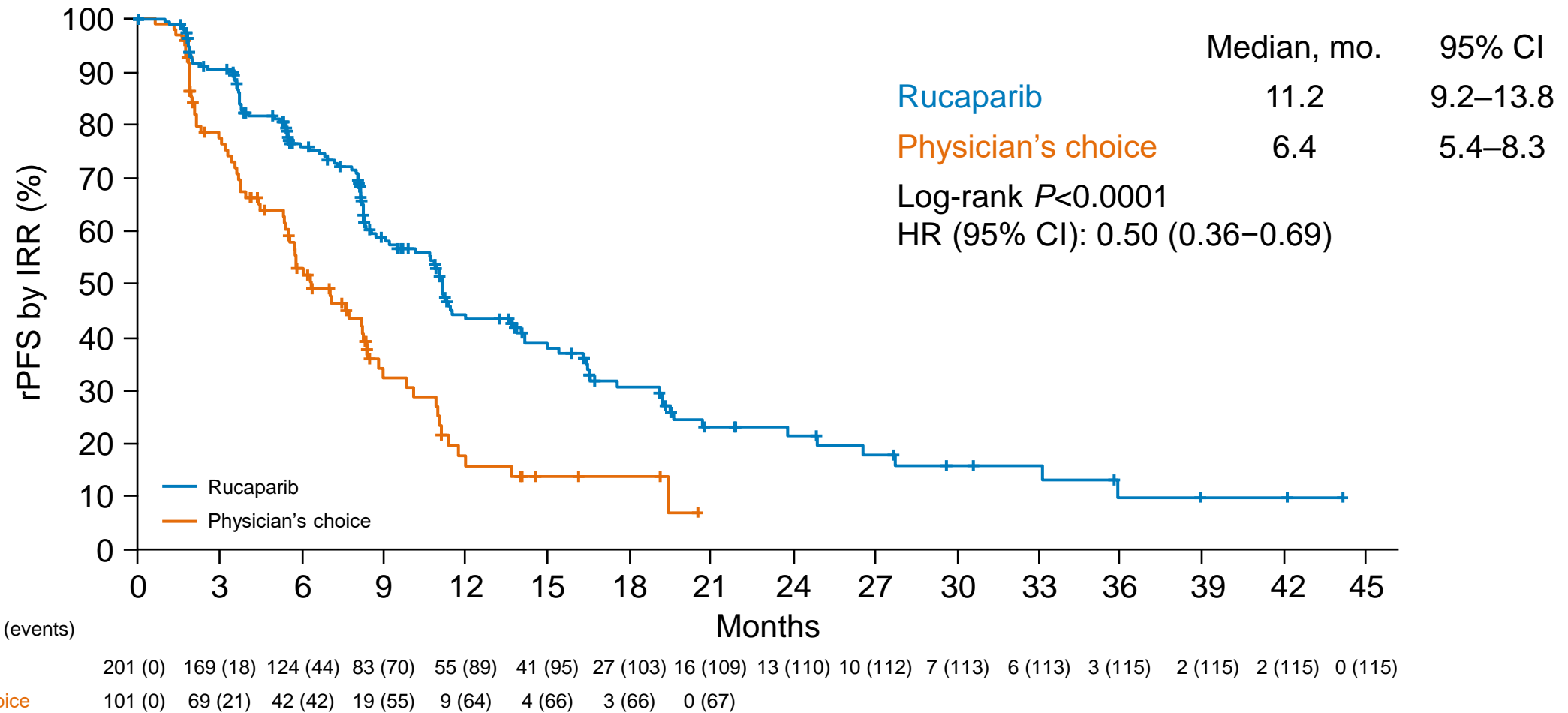
	Rucaparib (n=270)	Physician's choice (n=135)
Median age, years (range)	70.0 (45–90)	71.0 (47–92)
Race, n (%)		
White	199 (73.7)	103 (76.3)
Black or African American	10 (3.7)	4 (3.0)
Asian	4 (1.5)	1 (0.7)
Other	4 (1.5)	0
Missing ^a	53 (19.6)	27 (20.0)
ECOG PS,^b n (%)		
0	132 (48.9)	68 (50.4)
1	138 (51.1)	67 (49.6)
Alteration,^b n (%)		
<i>BRCA1</i>	29 (10.7)	15 (11.1)
<i>BRCA2</i>	172 (63.7)	86 (63.7)
<i>ATM</i>	69 (25.6)	34 (25.2)

^aData may be missing due to region-specific privacy laws. ^bRandomization stratification factor. ECOG PS, Eastern Cooperative Oncology Group performance status; ITT, intent-to-treat.

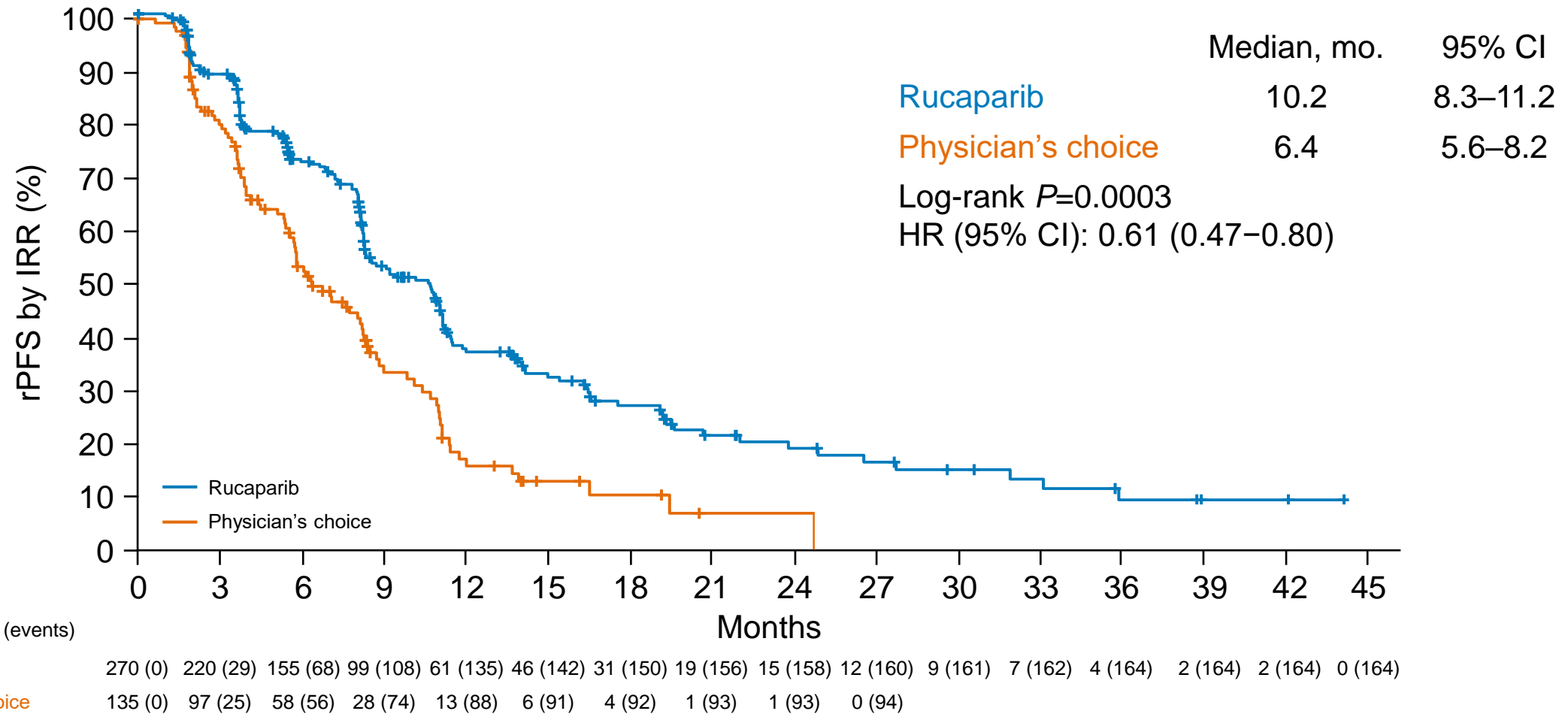
Baseline Characteristics (ITT Population), Cont.

	Rucaparib (n=270)	Physician's choice (n=135)
Baseline PSA, ng/mL, median (range)	26.9 (0.1–1247.0)	28.8 (0–1039.0)
Gleason score ≥8 at diagnosis, n (%)	173 (64.1)	96 (71.1)
Measurable disease per IRR, n (%)	106 (39.3)	55 (40.7)
Prior anticancer therapies, n (%)		
Second-generation API		
Enzalutamide	119 (44.1)	61 (45.2)
Abiraterone acetate	150 (55.6)	80 (59.3)
Apalutamide	8 (3.0)	1 (0.7)
Docetaxel for HSPC	63 (23.3)	28 (20.7)
Prior CRPC therapies, n (%)		
0	48 (17.8)	26 (19.3)
≥1	222 (82.2)	109 (80.7)
Physician's choice of treatment		
Docetaxel	–	75 (55.6)
Abiraterone acetate	–	28 (20.7)
Enzalutamide	–	32 (23.7)

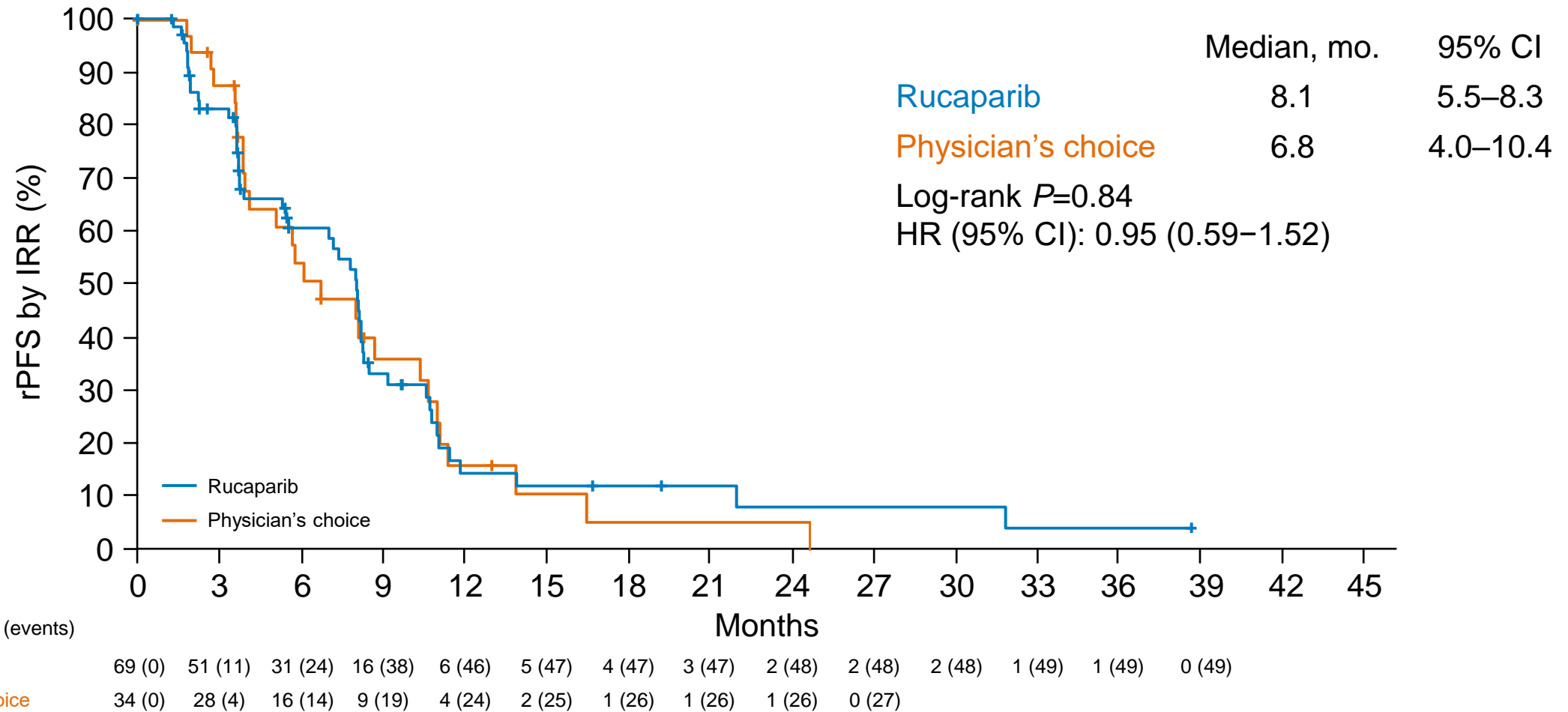
rPFS by IRR in the BRCA Subgroup



rPFS by IRR in the ITT Population



rPFS by IRR in the ATM Subgroup

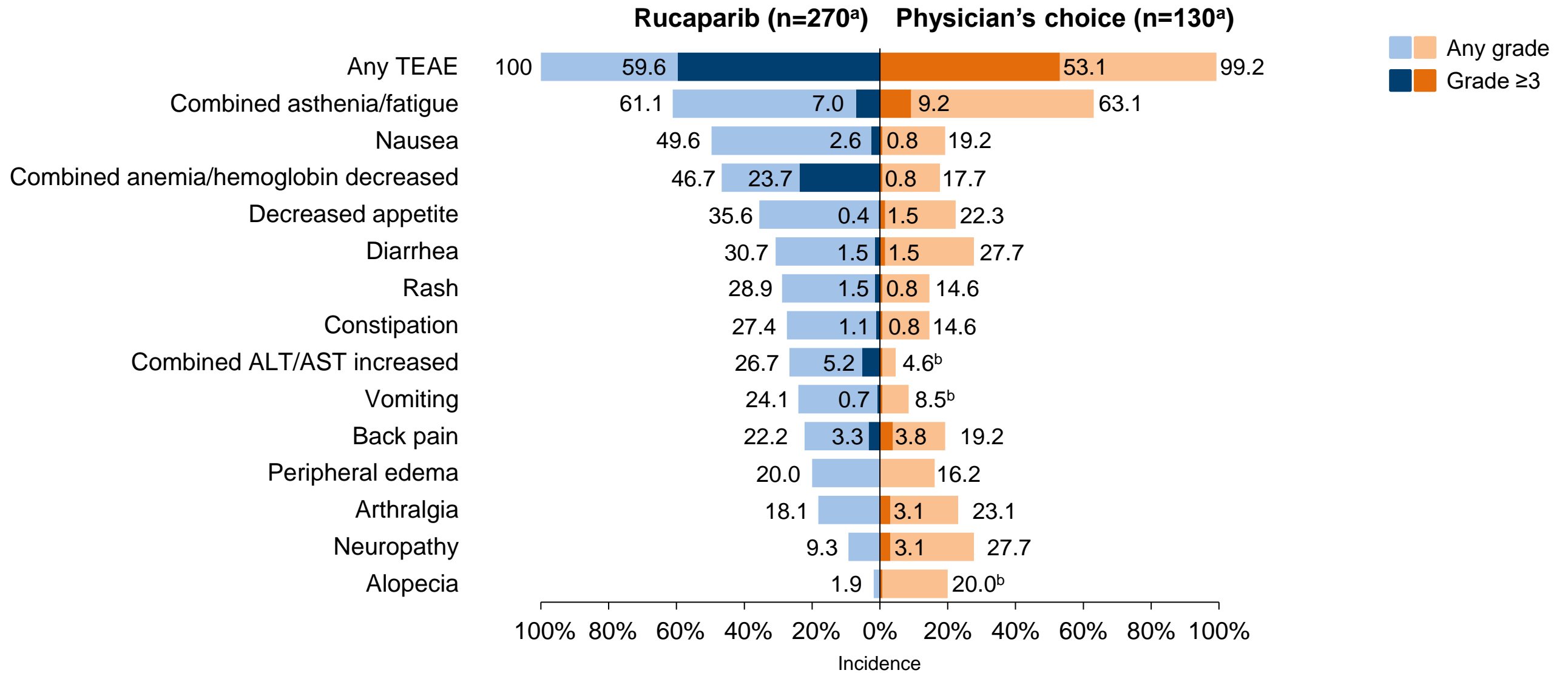


Safety Summary

TEAE, n (%)	Rucaparib (n=270) ^a	Physician's choice (n=130) ^a
At least 1 any-grade TEAE	270 (100)	129 (99.2)
At least 1 grade ≥ 3 TEAE	161 (59.6)	69 (53.1)
Dose reductions/interruptions due to TEAEs	160 (59.3)	50 (38.5)
Dose reductions due to TEAEs	104 (38.5)	32 (24.6)
Dose interruptions due to TEAEs	142 (52.6)	31 (23.8)
Discontinuations due to TEAEs	40 (14.8)	28 (21.5)
Death due to TEAEs	5 (1.9)	3 (2.3)

- At visit cutoff, 33 (12.2%) patients were ongoing on rucaparib treatment vs 5 (3.7%) on physician's choice
- The median treatment duration was 8.3 months (range, 0.2–46.0) for the rucaparib group and 5.1 months (range, 0.3–30.4) for the physician's choice group
- There were no reported cases of MDS and/or AML

Most Common TEAEs (≥20% Any Grade)



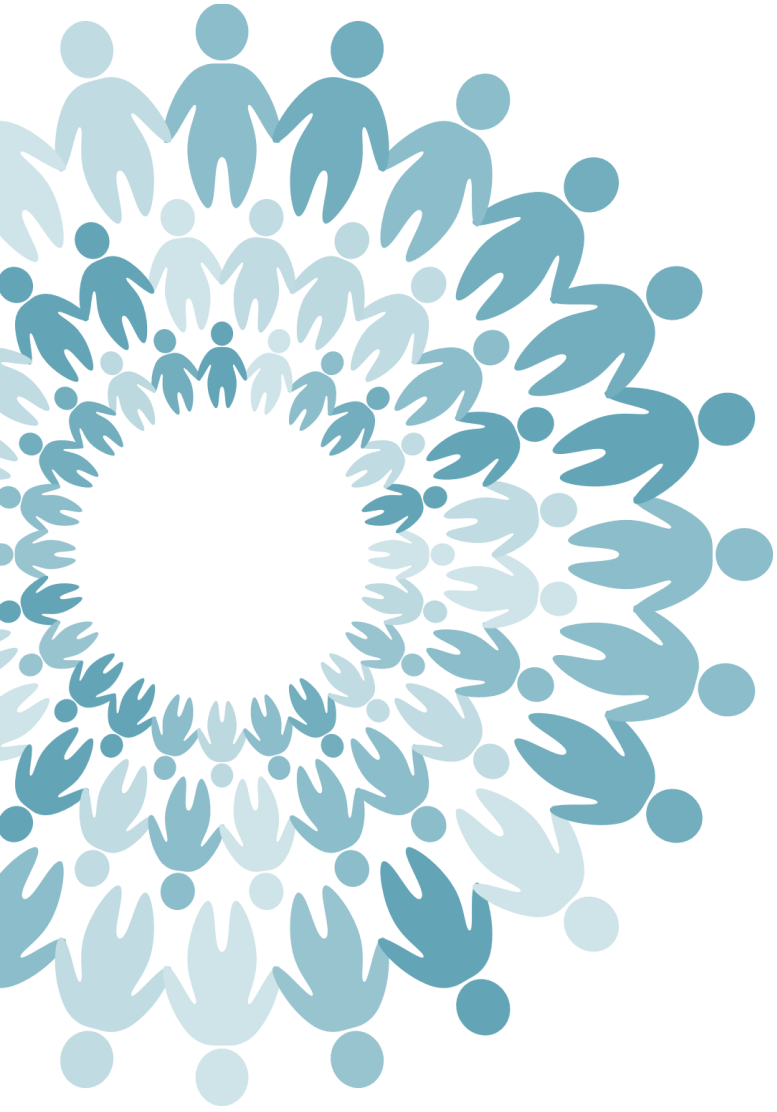
Summary

- TRITON3 met its primary endpoint
 - Significant improvement in rPFS with rucaparib vs physician's choice of docetaxel or second-generation API in the BRCA subgroup and ITT population
- TRITON3 confirmed the efficacy and safety results from TRITON2¹
- Full details of secondary endpoints – including OS, and efficacy and safety of rucaparib compared individually with either docetaxel or second-generation API – will be presented at a future meeting

TRITON3: Additional Perspective

- TRITON3 had a rigorous and patient-centric design:
 - First clinical study to compare a PARP inhibitor with docetaxel as one of the standards of care
 - First clinical study in mCRPC to demonstrate superiority to a docetaxel-containing control arm
 - Crossover from physician's choice of treatment to rucaparib was allowed in patients with confirmed radiographic progression

Thank you



We thank all the
PATIENTS, FAMILIES, CAREGIVERS
and **MANY MORE** —————
involved in the TRITON3 study

TRITON3 Acknowledgments

Co-coordinating investigators: Alan Bryce, USA
Karim Fizazi, France

Past co-coordinating investigators: Charles Ryan, USA
Simon Chowdhury, UK



Australia
Patricia Bastick
Ian Byard
David Campbell
Bala Chittajallu
Timothy Clay
Vinod Ganju
Laurence Krieger
Robert Zielinski



Denmark
Gedske Daugaard
Henriette Lindberg
Christine Madsen
Inge Mejlholm



France
Thibault de la Motte Rouge
Zahra Castel-Ajgal
Karim Fizazi
Aude Flechon
Anne-Claire Hardy-Bessard
Florence Joly
Nathalie Lemoine
Francesco Ricci
Dominique Spaeth
Eric Voog
Sylvie Zanetta



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Alejo Rodriguez-Vida
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Noemi Villanueva



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Vadim Koshkin
Daniel Landau
Wes Lee
Richard Lee
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We thank PCF for the opportunity to present these data, the TRITON3 principal investigators and steering committee, and Melanie Dowson and Owen Bowles (Clovis Oncology) for Clinical Operations support.

This research was sponsored by Clovis Oncology, Inc. Medical writing and editorial support funded by Clovis Oncology, Inc., were provided by Sachi Yim and Kathleen Blake of Ashfield MedComms, an Inizio company.