

Tumeurs gynécologiques

Dr Anne FLOQUET
Bordeaux, mardi 15 octobre 2019

Primo traitement CO de haut grade

Ovaire

ESMO 2018
Population BRCA mutée
Et olaparib en maintenance:
Essai SOLO1

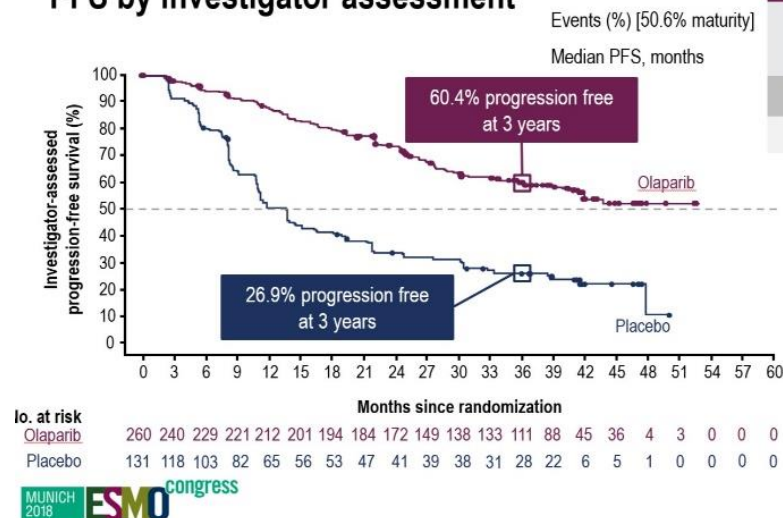


ESMO 2019
Toute population

- Essai PAOLA 1
- Essai PRIMA
- Essai VELIA

- Place d'un anti PARP (olaparib, niraparib, veliparib)
- Soit en maintenance après CT +/- bevacizumab
- Soit en association à CT sans bevacizumab

PFS by investigator assessment



Olaparib (N=260)	Placebo (N=131)
102 (39.2)	96 (73.3)
NR	13.8
HR 0.30	
95% CI 0.23, 0.41; P<0.0001	

CI, confidence interval; NR, not reached

Phase III PAOLA-1/ENGOT-ov25: maintenance olaparib with bevacizumab in patients with newly diagnosed, advanced ovarian cancer treated with platinum-based chemotherapy and bevacizumab as standard of care

Isabelle Ray-Coquard, Patricia Pautier, Sandro Pignata, David Pérol, Antonio González-Martin, Paul Sevela, Keiichi Fujiwara, Ignace Vergote, Nicoletta Colombo, Johanna Mäenpää, Frédéric Selle, Jalid Sehouli, Domenica Lorusso, Eva Maria Guerra Alia, Claudia Lefevre-Plesse, Ulrich Canzler, Alain Lortholary, Frederik Marmé, Eric Pujade-Lauraine, Philipp Harter

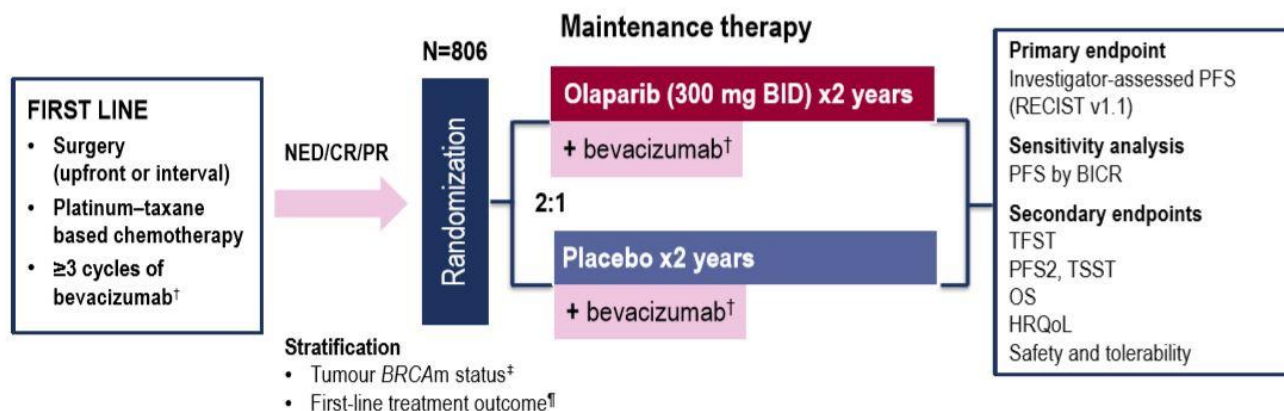


ClinicalTrials.gov identifier: NCT02477644
This study was sponsored by ARCA Research

esmo.org

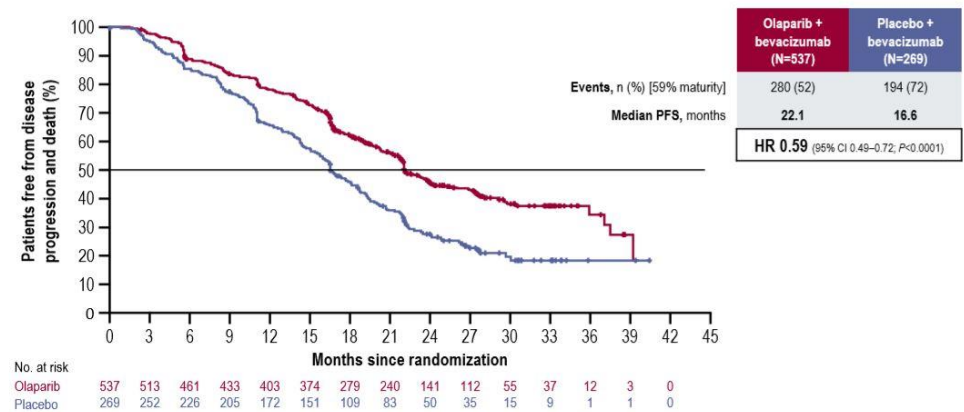
Study design

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



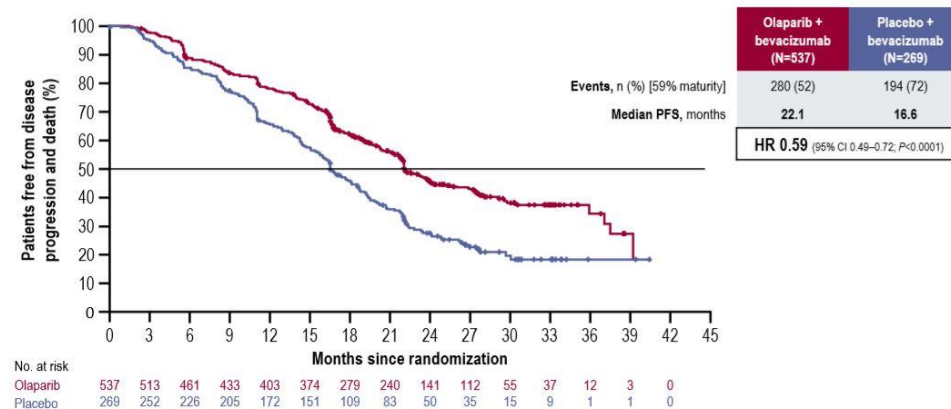
Essai PAOLA 1

PFS by investigator assessment: ITT population



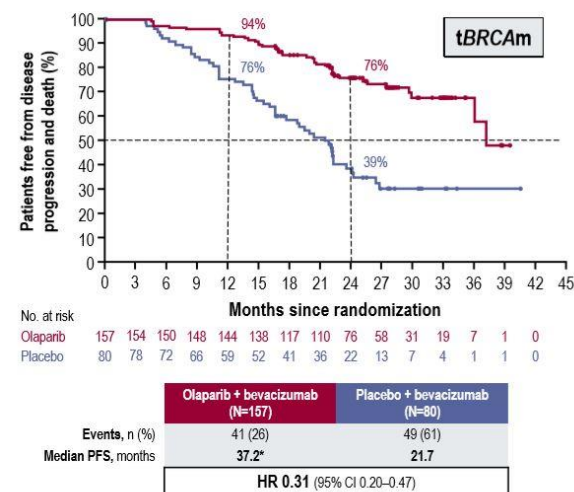
Essai PAOLA 1

PFS by investigator assessment: ITT population



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

PFS by tBRCA mutation status

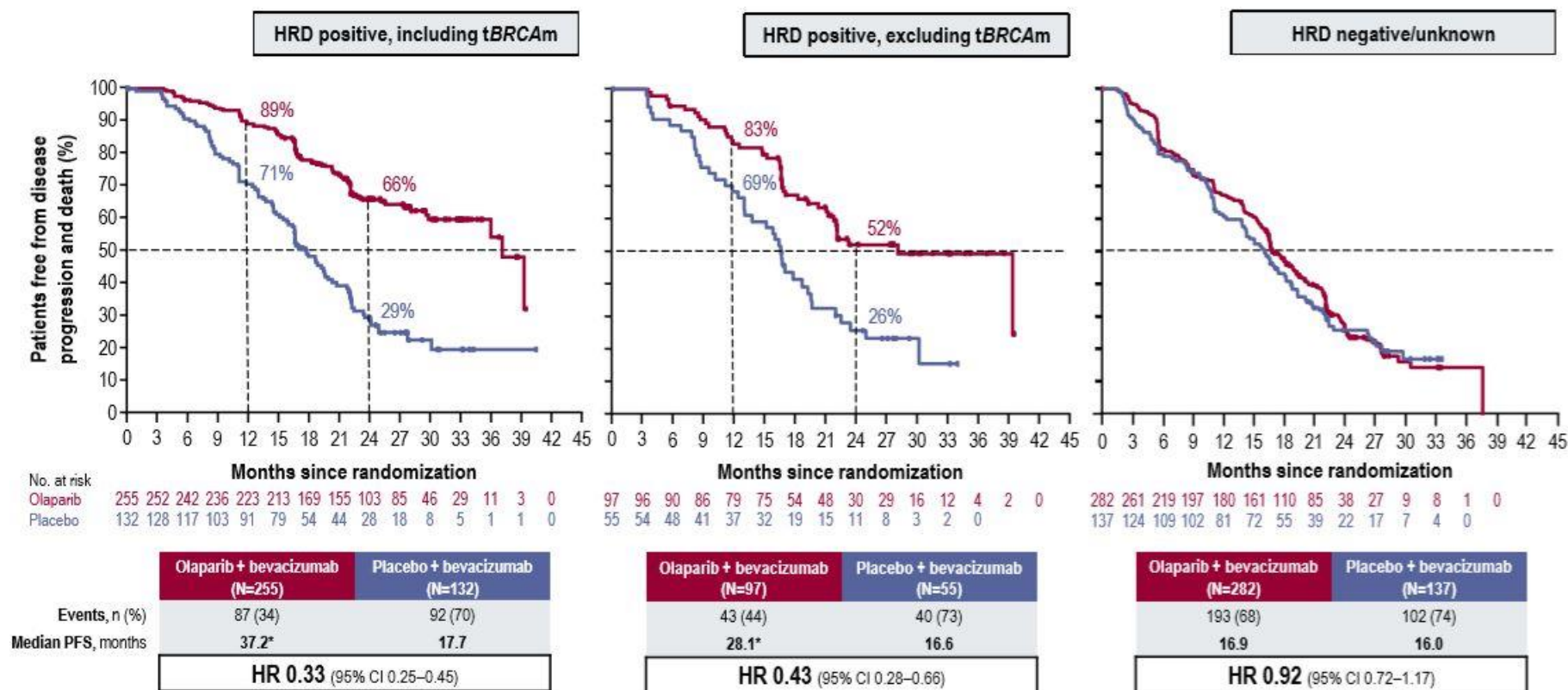


The percentages of patients progression-free at 12 months and 24 months have been calculated based on Kaplan-Meier estimates. *This median is unstable due to a lack of events – less than 50% maturity

Essai PAOLA 1



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

Essai PRIMA



Niraparib Therapy in Patients With Newly Diagnosed Advanced Ovarian Cancer (PRIMA/ENGOT-OV26/GOG-3012)

A. González-Martin,¹ B. Pothuri,² I. Vergote,³ R.D. Christensen,⁴ W. Graybill,⁵ M.R. Mirza,⁶ C. McCormick,⁷ D. Lorusso,⁸ P. Hoskins,⁹ G. Freyer,¹⁰ F. Backes,¹¹ K. Baumann,¹² A. Redondo,¹³ R. Moore,¹⁴ C. Vulsteke,¹⁵ R.E. O'Cearbhaill,¹⁶ B. Lund,¹⁷ Y. Li,¹⁸ D. Gupta,¹⁸ B.J. Monk¹⁹

¹Grupo Español de Investigación en Cáncer de Ovario (GEICO), Medical Oncology Department, Clínica Universidad de Navarra, Madrid, Spain; ²Gynecologic Oncology Group (GOG), Department of Obstetrics/Gynecology, Perlmutter Cancer Center, NYU Langone Cancer Center, New York, NY, USA; ³Belgium and Luxembourg Gynaecological Oncology Group (BGO), Department of Gynaecology and Obstetrics, Division of Gynaecological Oncology, University Hospitals Leuven, Leuven Cancer Institute, Leuven, Belgium; ⁴Nordic Society of Gynaecological Oncology (NSGO), Research Unit of General Practice, Institute of Public Health, University of Southern Denmark, Odense, Denmark; ⁵GOG, Gynecologic Oncology, Medical University of South Carolina, Charleston, SC, USA; ⁶NSGO, Rigshospitalet-Copenhagen University Hospital, Copenhagen, Denmark; ⁷GOG, Legacy Medical Group Gynecologic Oncology, Portland, OR, USA; ⁸Multicentre Italian Trials in Ovarian Cancer and Gynecologic Malignancies (MITO), Fondazione IRCCS National Cancer Institute of Milan, Milan, Italy; ⁹US Oncology Research (USOR), Department of Medical Oncology, BC Cancer – Vancouver, Vancouver, BC, Canada; ¹⁰Groupe d'Investigateurs Nationaux pour l'Etude des Cancers Ovariens (GINECO), HCL Cancer Institute, Department of Medical Oncology Lyon University, Lyon, France; ¹¹Division of Gynecologic Oncology, Ohio State University, Columbus, OH, USA; ¹²Arbeitsgemeinschaft Gynäkologische Onkologie (AGO), Department of Gynecology and Obstetrics, Klinikum der Stadt Ludwigshafen, Ludwigshafen, Germany; ¹³GEICO, Hospital Universitario La Paz-IdiPAZ, Madrid, Spain; ¹⁴USOR, Division of Gynecologic Oncology, Wilmot Cancer Institute, Department of Obstetrics and Gynecology, University of Rochester, Rochester, NY, USA; ¹⁵BGO, Department of Medical Oncology and Hematology, AZ Maria Middelares, Gent, and Department of Molecular Imaging, Pathology, Radiotherapy & Oncology, Center for Oncological Research, Antwerp University, Antwerp, Belgium; ¹⁶GOG, Gynecologic Medical Oncology, Memorial Sloan Kettering Cancer Center, and Department of Medicine, Weill Cornell Medical College, New York, NY, USA; ¹⁷NSGO, Department of Oncology, Aalborg University, Aalborg, Denmark; ¹⁸TESARO: A GSK Company, Waltham, MA, USA; ¹⁹Arizona Oncology (US Oncology Network), University of Arizona College of Medicine, Phoenix Creighton University School of Medicine at St. Joseph's Hospital, Phoenix, AZ, US

Essai PRIMA



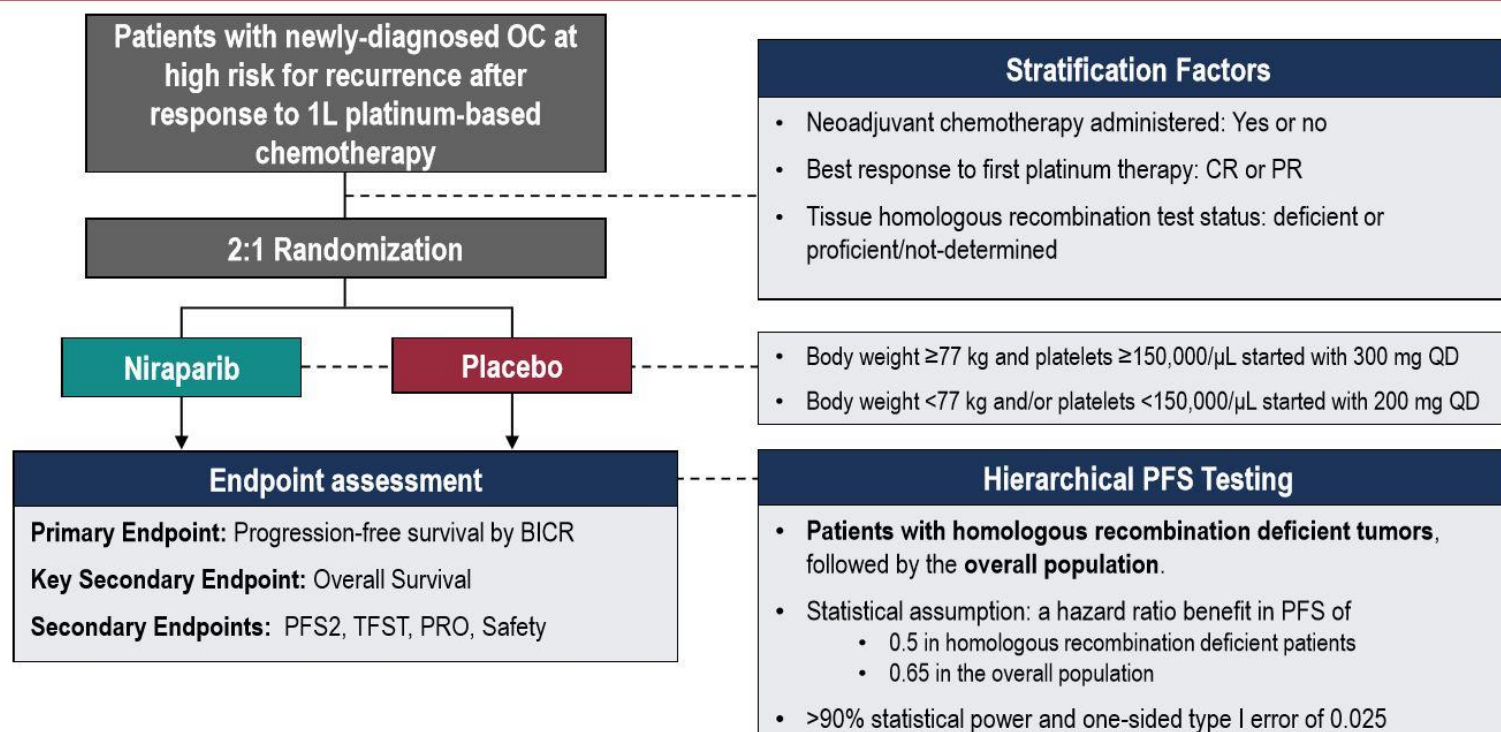
Niraparib Therapy in Patients With Newly Diagnosed Advanced Ovarian Cancer

(PRIMA/ENGOT)

A. González-Martín,¹
McCormick,⁷ D. Lorus
Moore,¹⁴ C. Vulsteke,

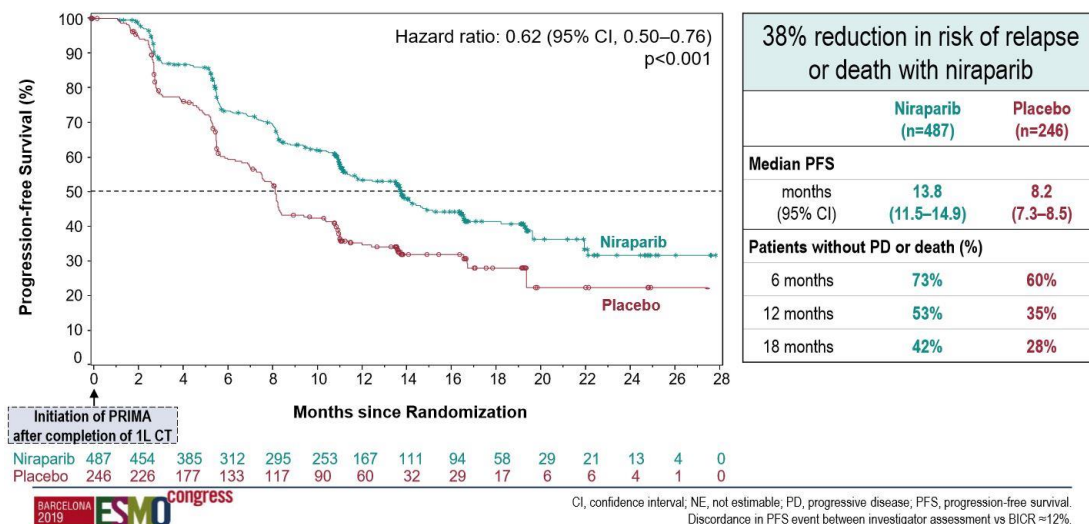
¹Grupo Español de Investigación en Cáncer de C
Perlmutter Cancer Center, NYU Langone Cancer
Oncology, University Hospitals Leuven, Leuven (1)
Denmark, Odense, Denmark; ⁵GOG, Gynecologic
Medical Group Gynecologic Oncology, Portland,
Oncology Research (USOR), Department of Med
Department of Medical Oncology Lyon University
Gynecology and Obstetrics, Klinikum der Stadt L
Department of Obstetrics and Gynecology, Univ
Pathology, Radiotherapy & Oncology, Center for
Medicine, Weill Cornell Medical College, New Yc
Oncology Network), University of Arizona College

PRIMA Trial Design



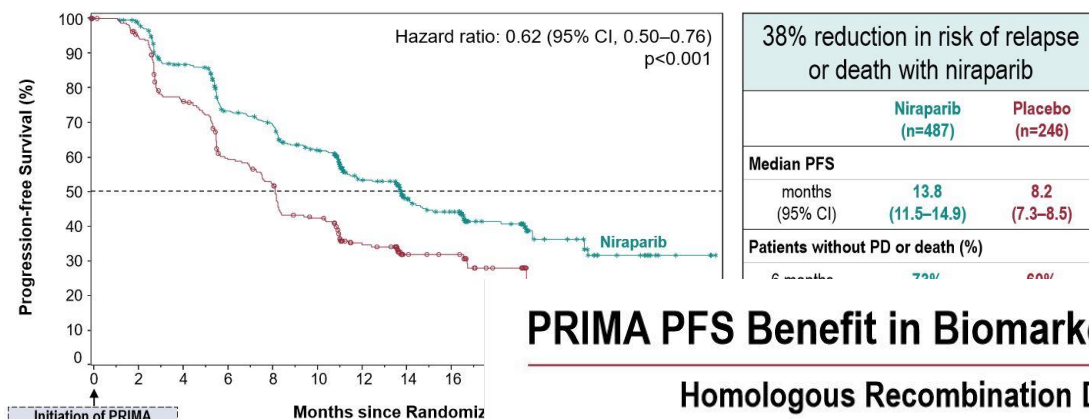
Essai PRIMA

PRIMA Primary Endpoint, PFS Benefit in the Overall Population



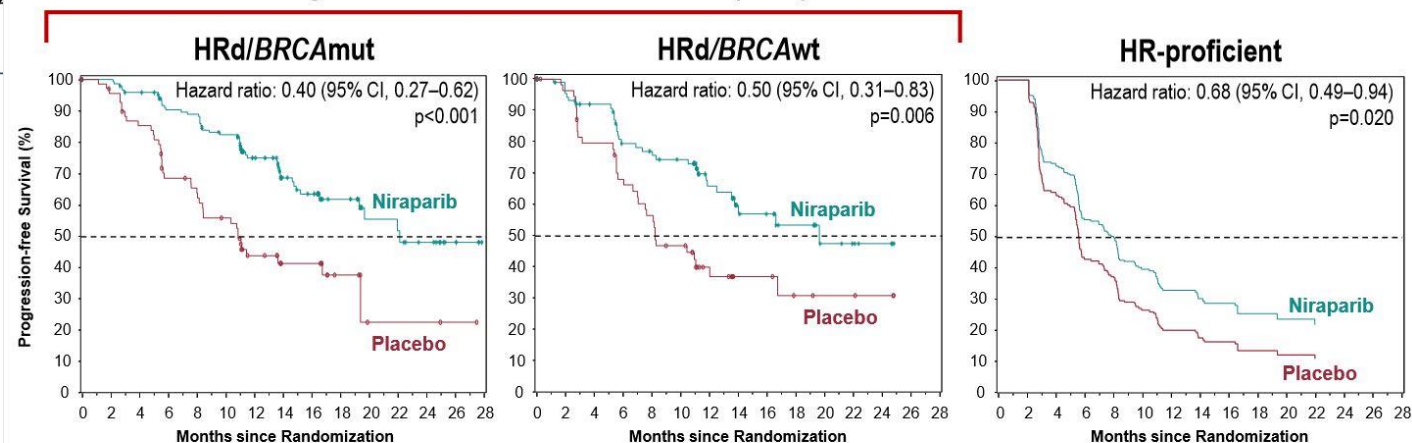
Essai PRIMA

PRIMA Primary Endpoint, PFS Benefit in the Overall Population



PRIMA PFS Benefit in Biomarker Subgroups

Homologous Recombination Deficient (HRd)



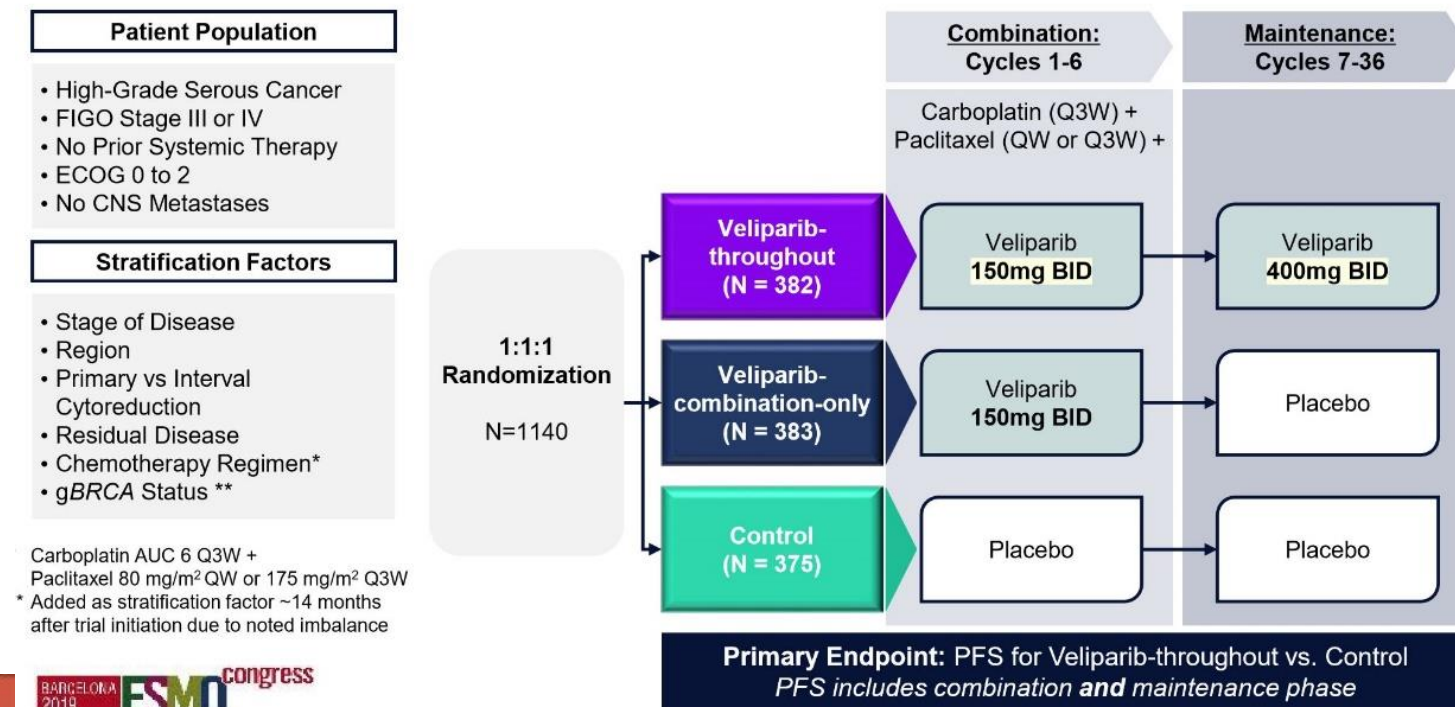
- Niraparib provided similar clinical benefit in the HRd subgroups (*BRCAmut* and *BRCAwt*)
- Niraparib provide clinically significant benefit in the HR-proficient subgroup with a 32% risk reduction in progression or death

Essai VELIA

VELIA/GOG-3005: Integration of veliparib with front-line chemotherapy and maintenance in women with high-grade serous carcinoma of ovarian, fallopian tube, or primary peritoneal origin

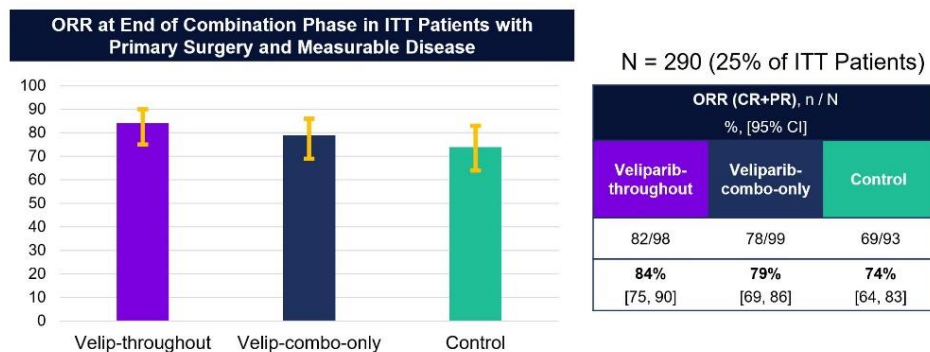
Robert L. Coleman¹, Gini F. Fleming², Mark F. Brady³, Elizabeth M. Swisher⁴, Karina D. Steffensen⁵, Michael Friedlander⁶, Aikou Okamoto⁷, Kathleen N. Moore⁸, Noa Ben-Baruch⁹, Theresa L. Werner¹⁰, Ana Oaknin¹¹, Joo-Hyun Nam¹², Charles A. Leath III¹³, Shibani Nicum¹⁴, David Cella¹⁵, Danielle M. Sullivan¹⁶, Peter J. Ansell¹⁶, Minh H. Dinh¹⁶, Carol Aghajanian¹⁷, Michael A. Bookman¹⁸

Study Design: VELIA/GOG-3005 (NCT02470585)



Essai VELIA

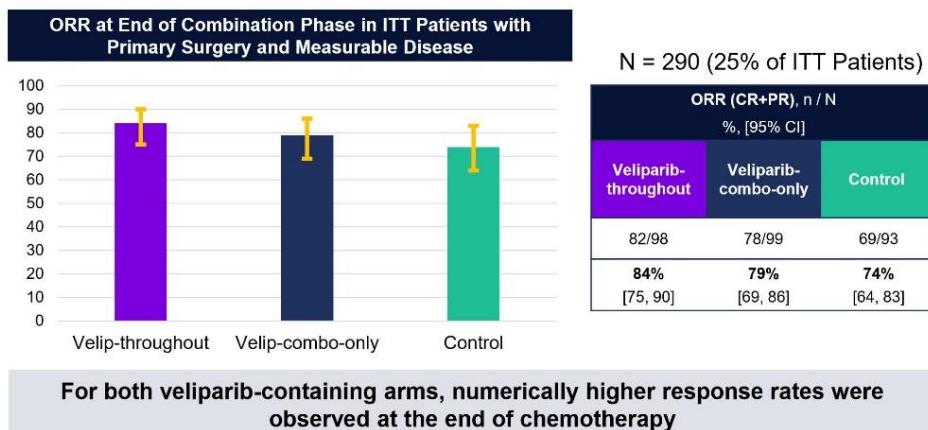
Objective Response Rates at End of Combination Phase



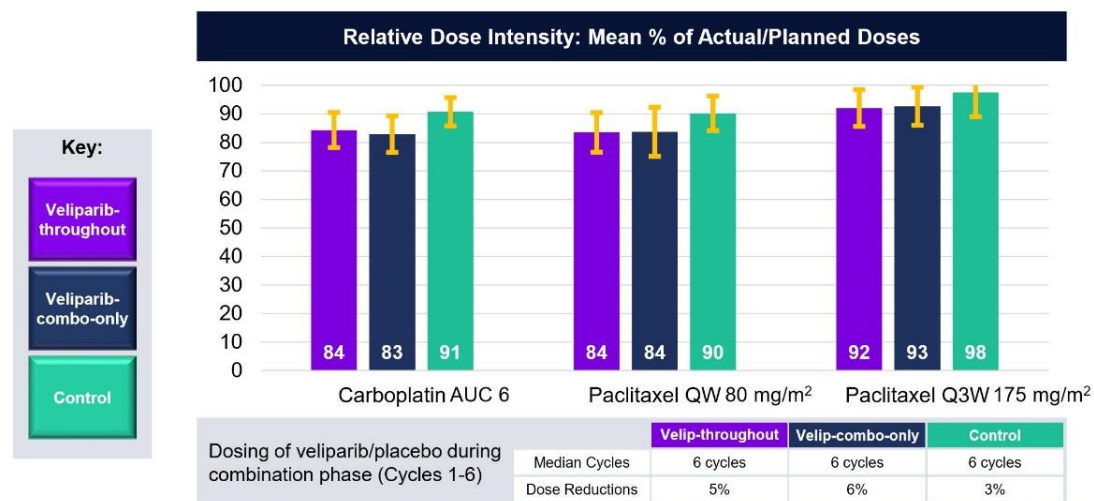
For both veliparib-containing arms, numerically higher response rates were observed at the end of chemotherapy

Essai VELIA

Objective Response Rates at End of Combination Phase



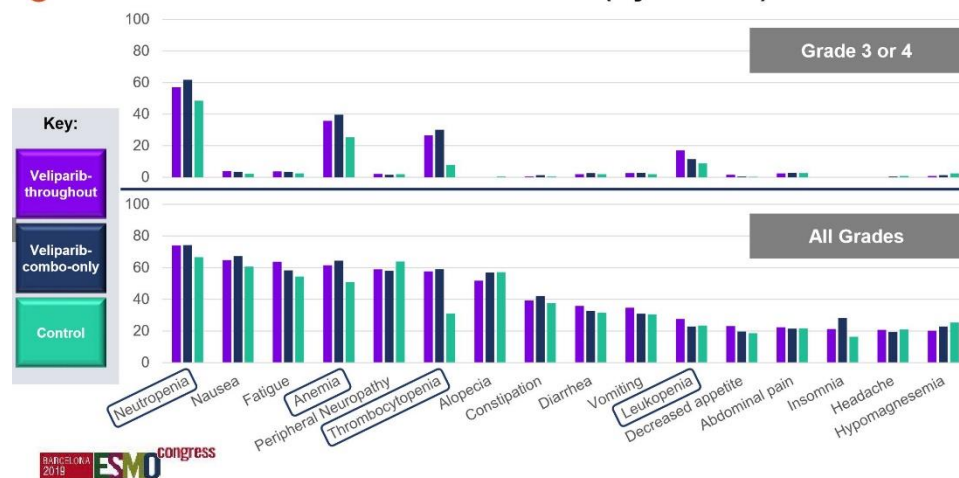
Relative Dose Intensity of Chemotherapy



Ovaire

Essai VELIA

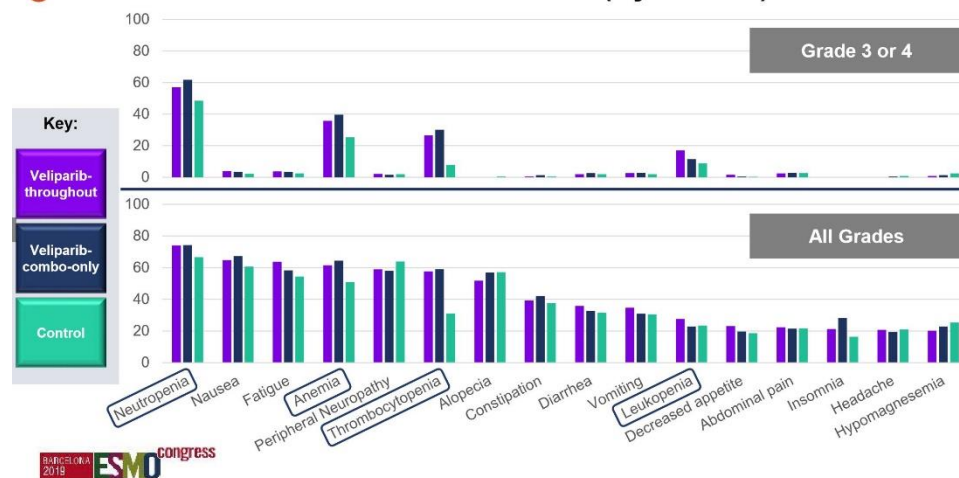
Adverse Events: Combination Phase (Cycles 1-6)



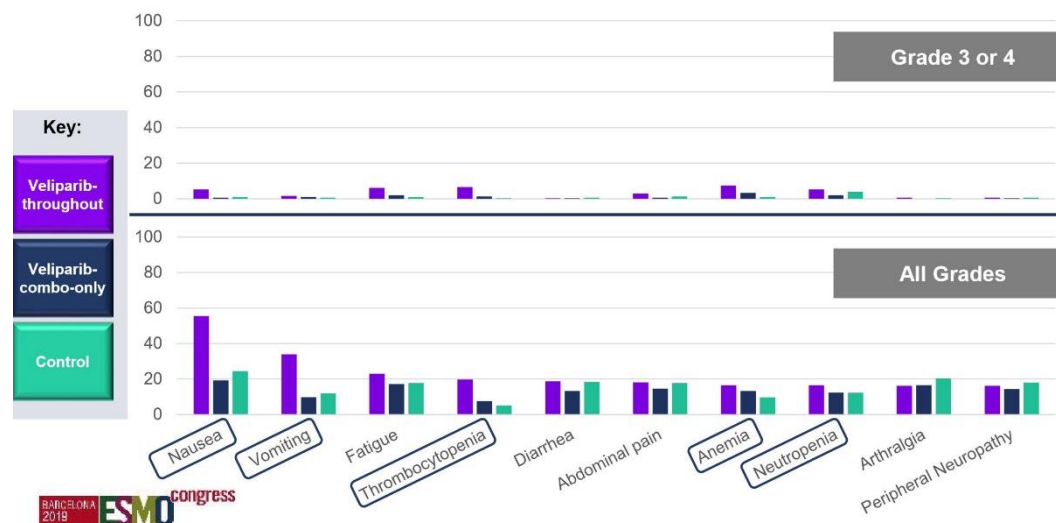
Ovaire

Essai VELIA

Adverse Events: Combination Phase (Cycles 1-6)



Adverse Events: Maintenance Phase (Cycles 7-36)

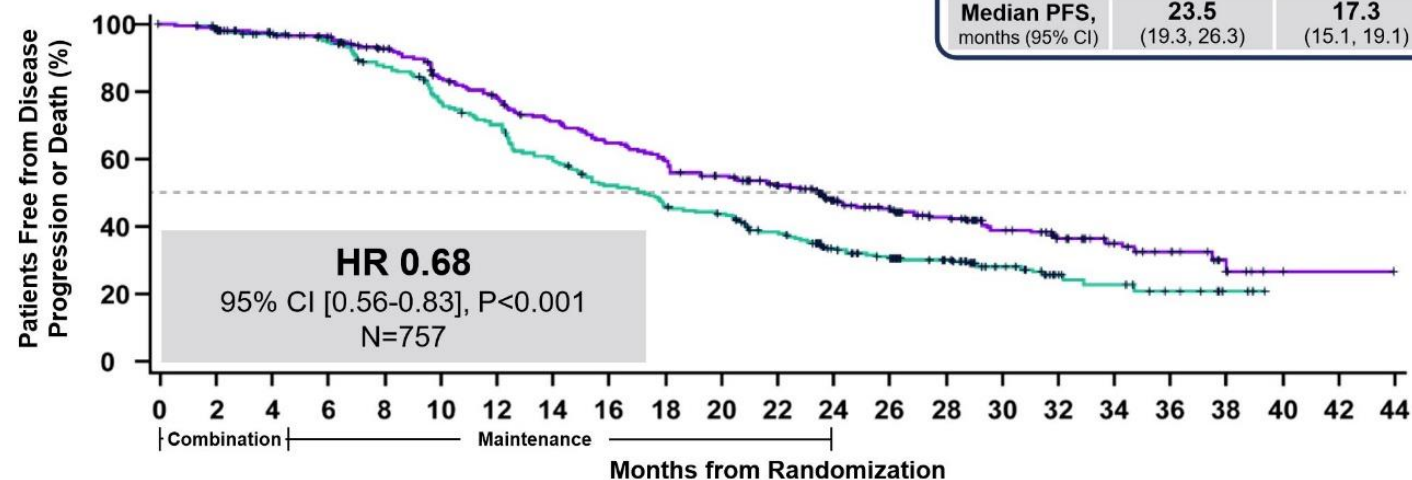


Essai VELIA

PFS by Investigator Assessment ITT Population

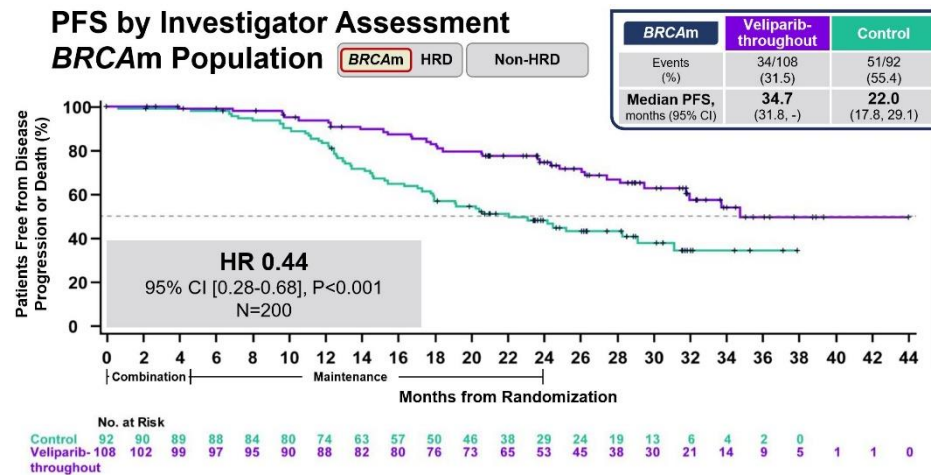
BRCAm **HRD** **Non-HRD**

ITT	Veliparib-throughout	Control
Events (%)	191/382 (50.0)	237/375 (63.2)
Median PFS, months (95% CI)	23.5 (19.3, 26.3)	17.3 (15.1, 19.1)

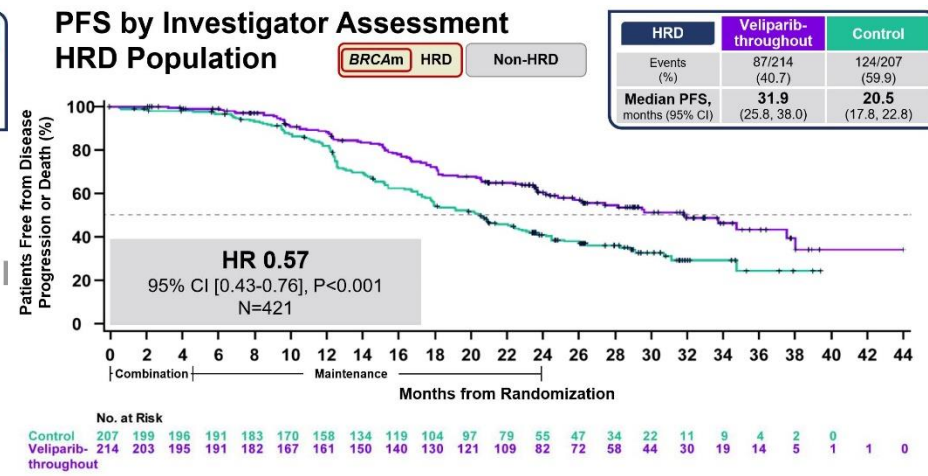
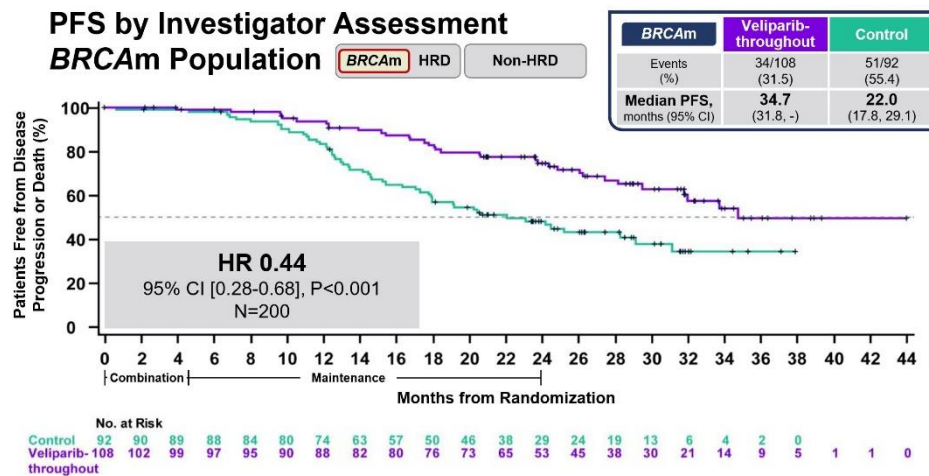


	No. at Risk															
Control	375	356	340	328	297	260	236	202	172	153	143	119	84	70	55	36
Veliparib-throughout	382	352	337	329	308	275	253	228	208	192	172	153	111	95	76	55

Essai VELIA



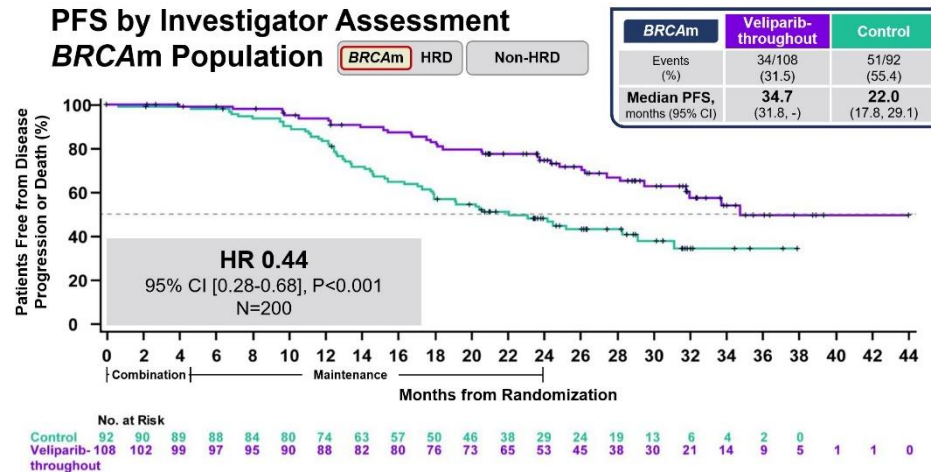
Essai VELIA



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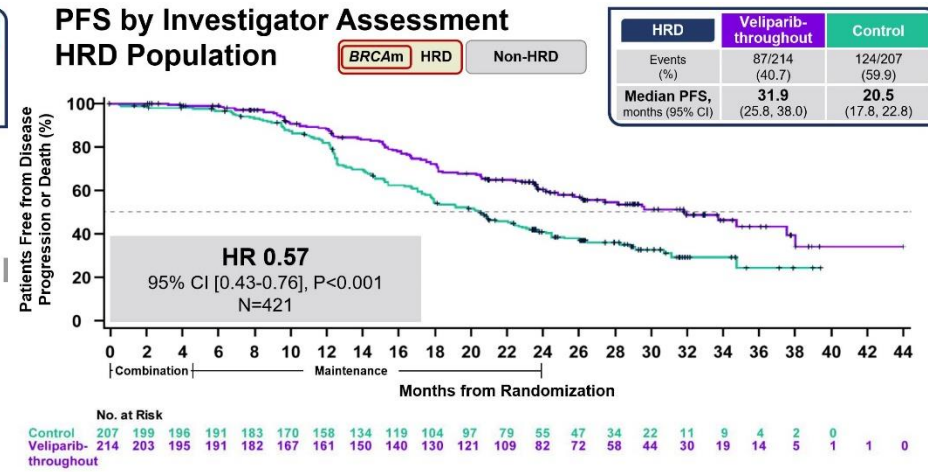
PFS by Investigator Assessment

BRCAm Population

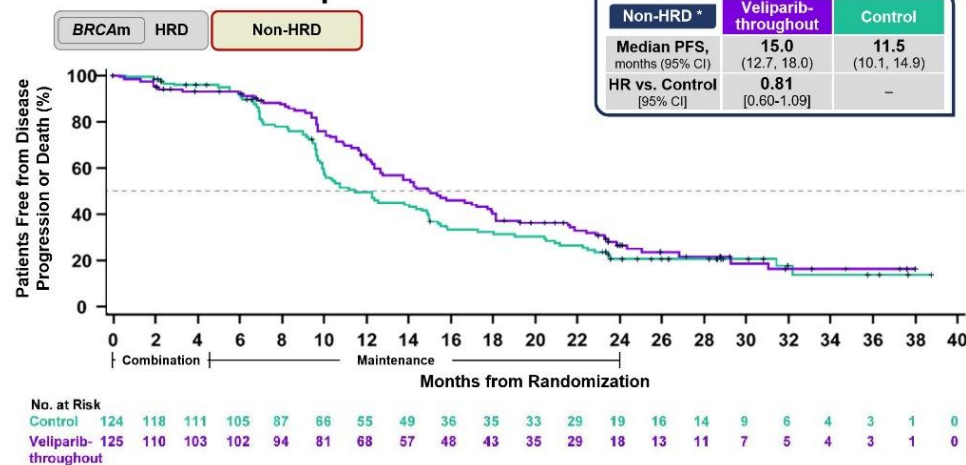


PFS by Investigator Assessment

HRD Population



PFS: Non-HRD Population



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Conclusions

Bras expérimental Des études	GOG 218 N= 623	PRIMA N=487	PAOLA1 N=537
Age médian (ans)	60 (22-89)	62 (32-85)	61 (32-87)
Statut BRCA, n (%)			
BRCA mut	92 (23 %)	152 (31 %)	157 (29%)
BRCA wt/HRP/HR UK	307(77 %)	335 (69 %)	380 (71%)
Stade au diagnostic, n (%)			
III	458 (73,5%)	318 (65 %)	378 (70%)
IV	165 (26,5 %)	169 (35%)	159 (30%)
Chirurgie			
- initiale	663 (100%)	244 (34%)	217 (50%)
• Résidu macro	458 (73,5%)		111 (41%)
• Pas de résidu macro	NA	NA	160 (59%)
- intervalle	NA	322 (66%)	228 (42%)
• Résidu macro			65 (29%)
• Pas de résidu macro			163 (71%)
Réponse après chirurgie +chimio avec platine, n (%)			
• NED	NA	NA	290 (54 %)
• RC		337 (69 %)	106 (20%)
• RP		150 (31 %)	141 (26%)

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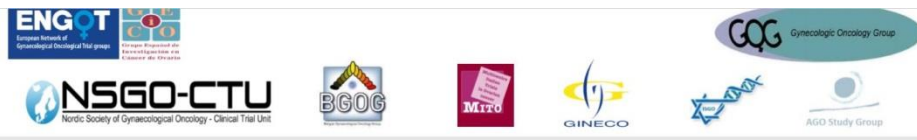
Conclusions

- 3 études de phase III positives :
 - Il existe une place pour les PARPi dans le primo-traitement du CEO
mBRCA > HRD positif > HRD UK et nég
- Au-delà de l'altération des gènes BRCA, les tests HRD (ici MyChoice, Myriad) ont permis d'augmenter la population susceptible de bénéficier des PARPi mais **il persiste une difficulté à identifier celle qui n'en bénéficie pas**
- Une chirurgie complète initiale, principal facteur pronostique à ce jour, ne permet pas d'évaluer la platino sensibilité...principal facteur clinique actuel de réponse aux PARPi
- La combinaison CT et PARPI (veliparib) est possible
- Pas de nouveau signal pour le profil de tolérance
- Demain, **rien ne change en pratique**
 - mBRCA: Carbo-taxol et maintenance si réponse par olaparib (schéma SOLO1)
 - Les autres: Carbo taxol +/- Bev
- En recherche clinique: amendement en cours pour les essais de phase III en cours

Ovaire

Conclusions

- 3 études de phase III
- Il existe un consensus



- Au-delà de l'essai, les résultats ont permis d'identifier des sous-groupes mais **il persiste**

- Une chirurgie débulgante permet pas de réponse aux
- réponse aux

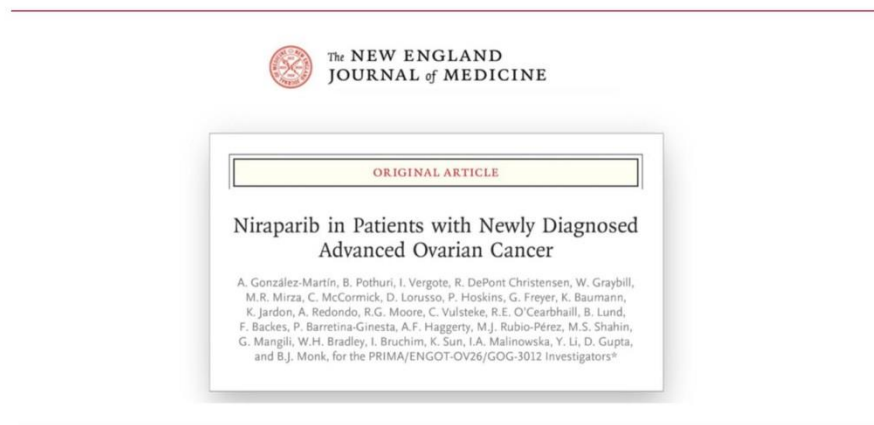
- La combinaison

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t du CEO

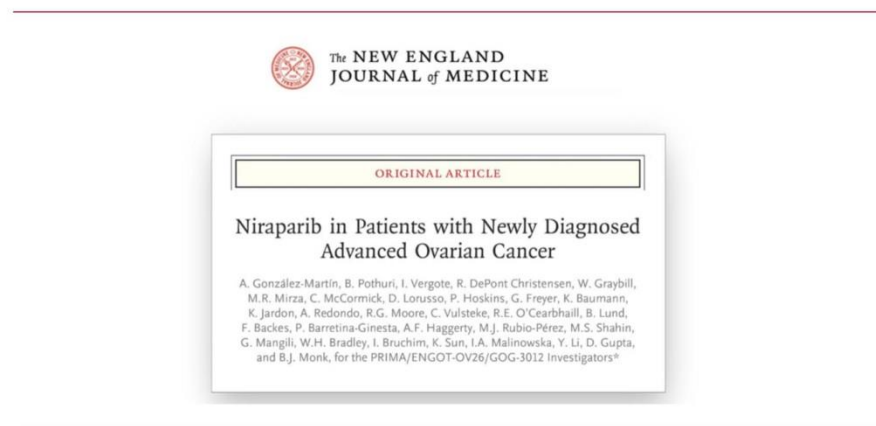
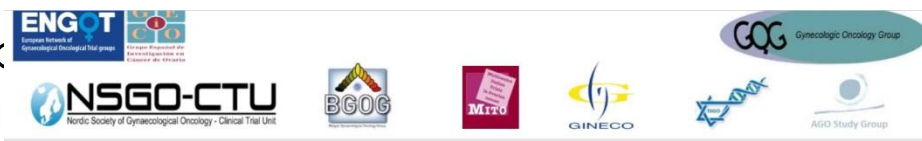
MyChoice, Myriad)
bénéficiaire des PARPi
bénéficie pas

pratique à ce jour, ne
leur clinique actuel de

Ovaire

Conclusions

- 3 études de phase III ont permis d'évaluer l'impact du CEO
 - Il existe une différence significative entre les groupes
- Au-delà de l'impact sur la survie, les résultats ont permis d'évaluer l'impact sur la qualité de vie, mais **il persiste une incertitude**
- Une chirurgie débulgante permet pas de réduire la réponse aux chimiothérapies
- La combinaison de Niraparib avec la chimiothérapie permet pas de réduire la réponse aux chimiothérapies
- Pas de nouveau signal pour le profil de toxicité
- Demain, **rien ne change en pratique**
 - mBRCA: Carbo-taxol et maintenance si réséc.
 - Les autres: Carbo taxol +/- Bev
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t du CEO

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Ovaire

Conclusions

- 3 études de phase III
- Il existe un besoin non satisfait du CEO

- Au-delà de l'essai de phase III, les données ont permis d'identifier des sous-groupes mais **il persiste**

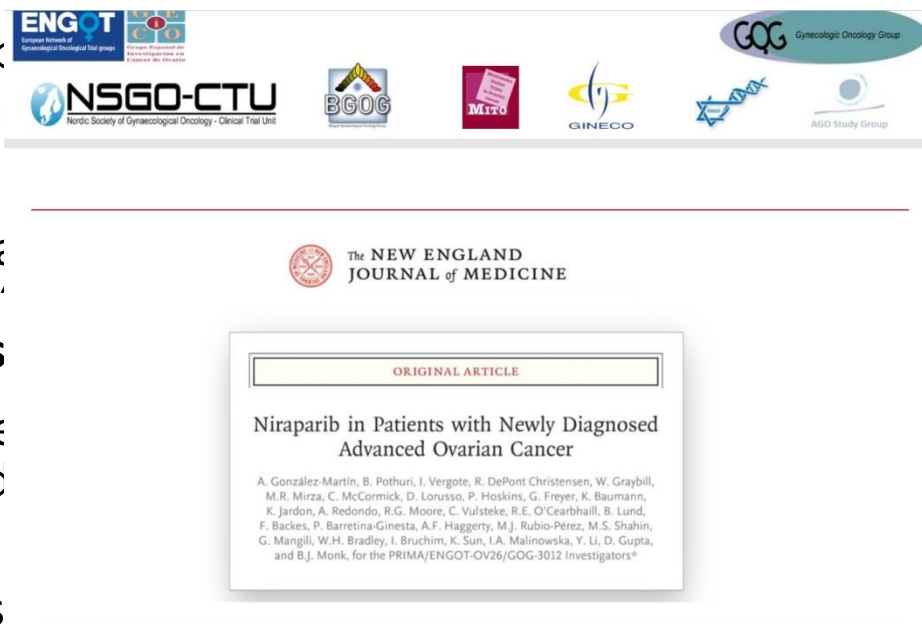
- Une chirurgie débulgare permet pas de réponse aux

- La combinaison

- Pas de nouveau signal pour le profil de toxicité

- Demain, **rien ne change en pratique**

- **Essai PAOLA 1**
En attente de publication
- En re...
- cours



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