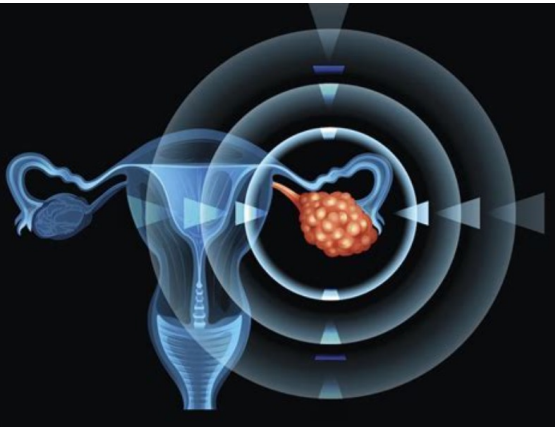


# Place des iPARPs dans le cancer de l'ovaire avancé: point de vue de l'oncologue médical



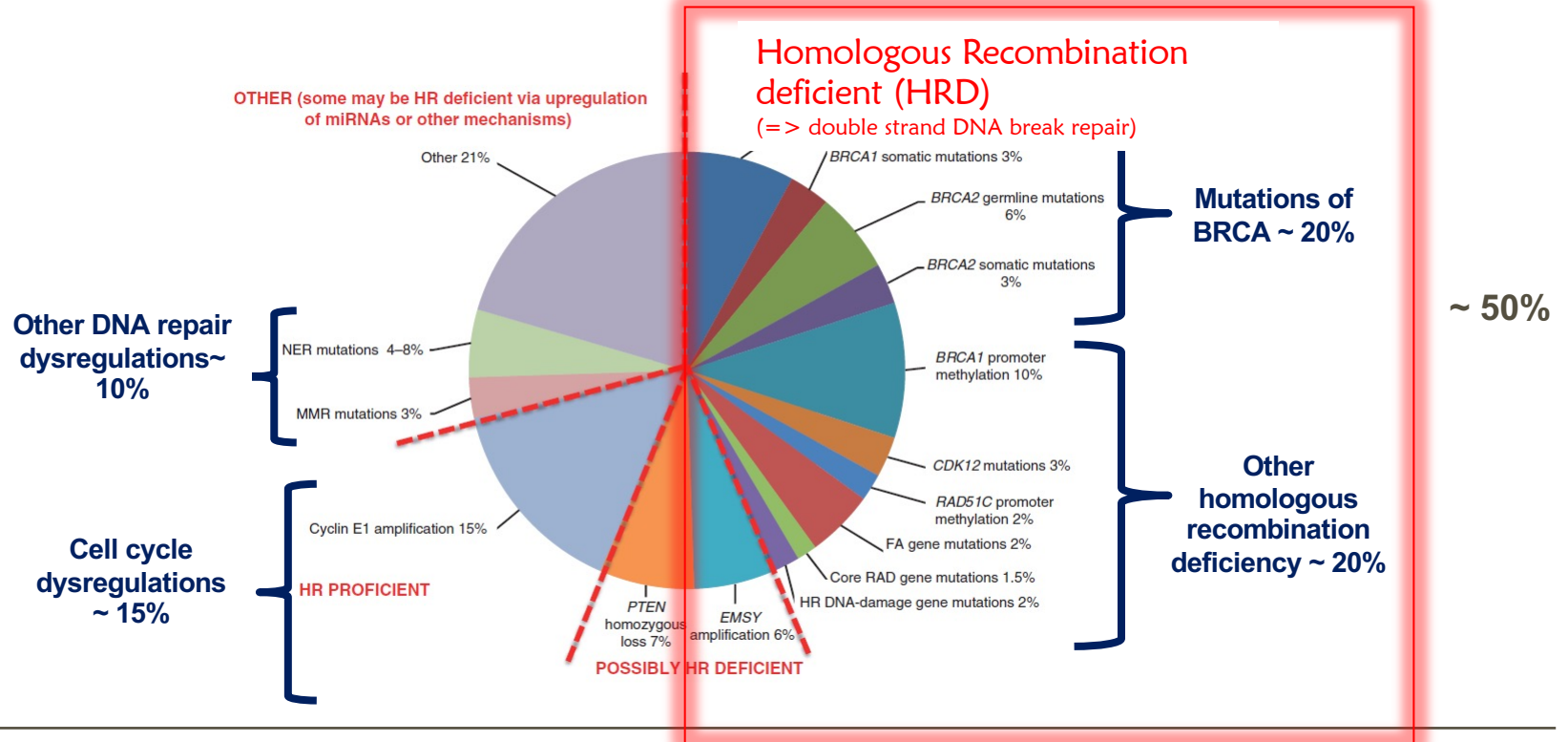
Dr David COEFFIC  
Hôpital Privé de Provence

# LIENS D'INTERET

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- AstraZeneca
  - Pfizer
  - Roche
  - BMS
  - GSK
  - MSD
  - Astellas
-

# Anomalies moléculaires : mutations BRCA , HRD



# Testing et Biologie



## Conclusions

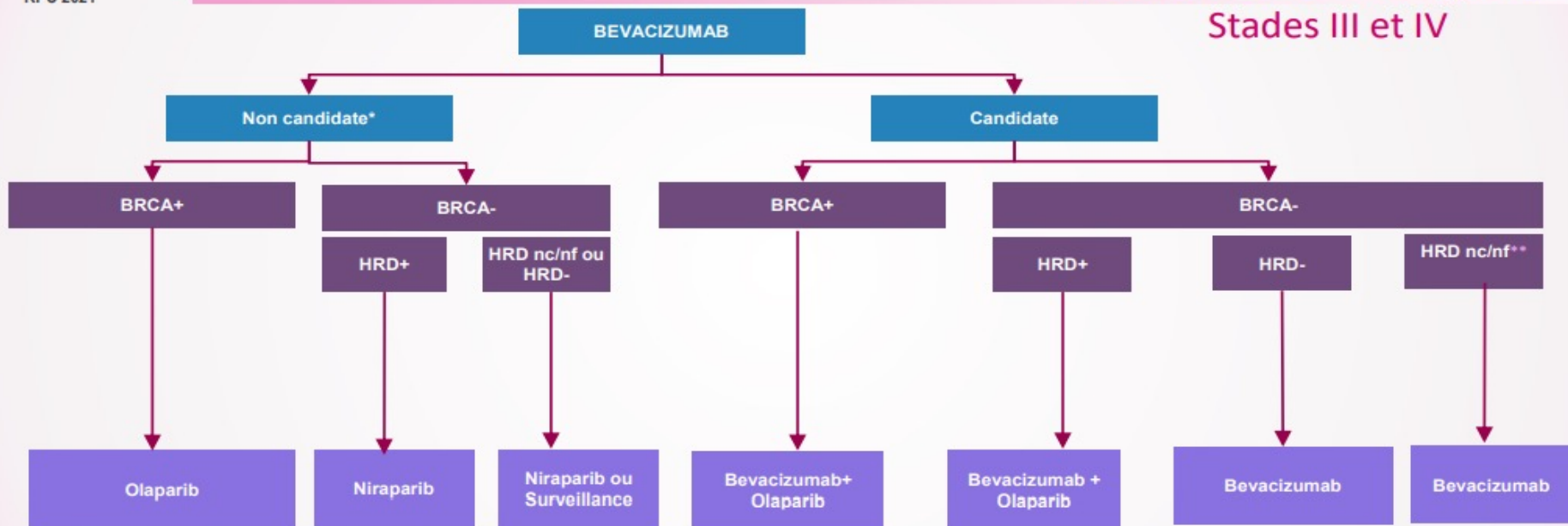
### **Pour tout cancer infiltrant de haut grade de l'ovaire, à l'exception des carcinomes mucineux**

- Analyse TUMORALE première, rendu de résultats en 6 semaines
- Résultats :
  - BRCA1/2 : Recherche de variant pathogène IV et V
  - Estimation de l'instabilité génomique durant l'année 2021
    - Test myChoice® – Myriad
    - validation d'autres signatures académiques ou autres
- Circuit identifié
- Prélèvements suffisants

**Quels changements en 1L en 2021 ?**

# Algorithmes de choix thérapeutiques avec les nouvelles ATU et post-ATU disponibles en 2021

Cancer ovaire – haut grade –  
Stades III et IV



\*Non candidate: contre-indication ou option du bévacizumab non retenue par le médecin

HRD + : Test HRD positif (le test a identifié une défaillance de la recombinaison homologue)

HRD- : Test HRD négatif (le test n'a pas identifié de défaillance de la recombinaison homologue)

HRDnf : test non fait (à faire)

HRDnc : test non contributif (à refaire)

# Nouvelles thérapeutiques en 1L de maintenance

---

**Jusqu'à 2020, 2 traitements disponibles:**

**Bevacizumab** en maintenance avec la CT puis pendant 15 mois

- AMM pour cancer épithélial  $\geq$  stade IIIB
- Toutes patientes éligibles

**Olaparib** en maintenance pendant 2 ans

- AMM dans cancer avancé épithélial de haut grade , Stade III-IV
- Réponse complète ou partielle à base de sels de platine
- Patientes avec mutation BRCA1/2

# Nouvelles thérapeutiques en 1L de maintenance

---

En 2021 , 2 nouvelles options thérapeutiques:

**Niraparib** en maintenance pendant 3 ans

- AMM dans le cancer avancé épithélial haut grade, Stade III-IV
- En réponse à chimiothérapie à base de sels de platine
- Toutes patientes

**Olaparib + bevacizumab** en maintenance pendant 2 ans

- AMM dans le cancer avancé épithélial haut grade, Stade III-IV
- En réponse à chimiothérapie à base de sels de platine
- Statut HRD ou mutation BRCA ou instabilité génomique
- en post ATU



# Quelles études en 1<sup>ère</sup> ligne ?

- Bevacizumab; GOG 218; ICON 7
- iPARP:
- Statut BRCAm: SOLO1
- Toutes patientes : PRIMA, PAOLA

# Bevacizumab en maintenance 1L : GOG-218

## GOG-0218: Schema

Front-line:  
Epithelial OV, PP or  
FT cancer

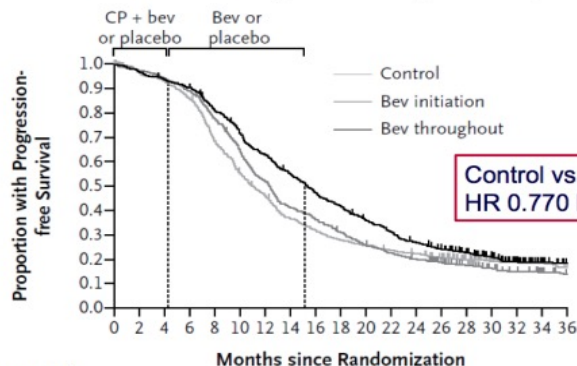
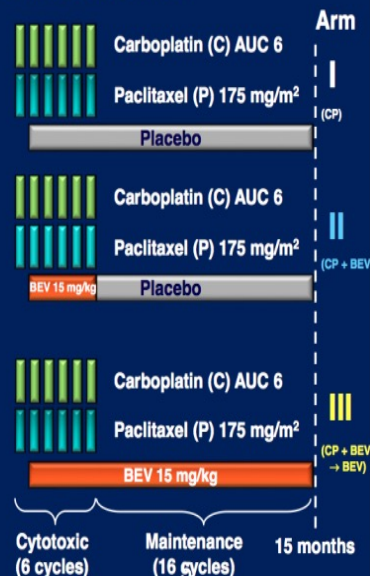
- Stage III optimal (macroscopic)
- Stage III suboptimal
- Stage IV

n=1800 (planned)

- Stratification variables:
- GOG performance status (PS)
  - Stage/debulking status

R  
A  
N  
D  
O  
M  
I  
Z  
E

1:1:1

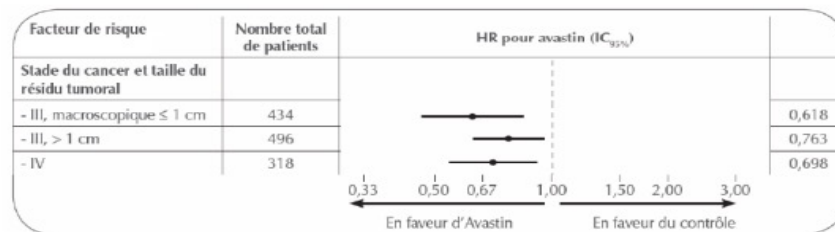


No. at Risk

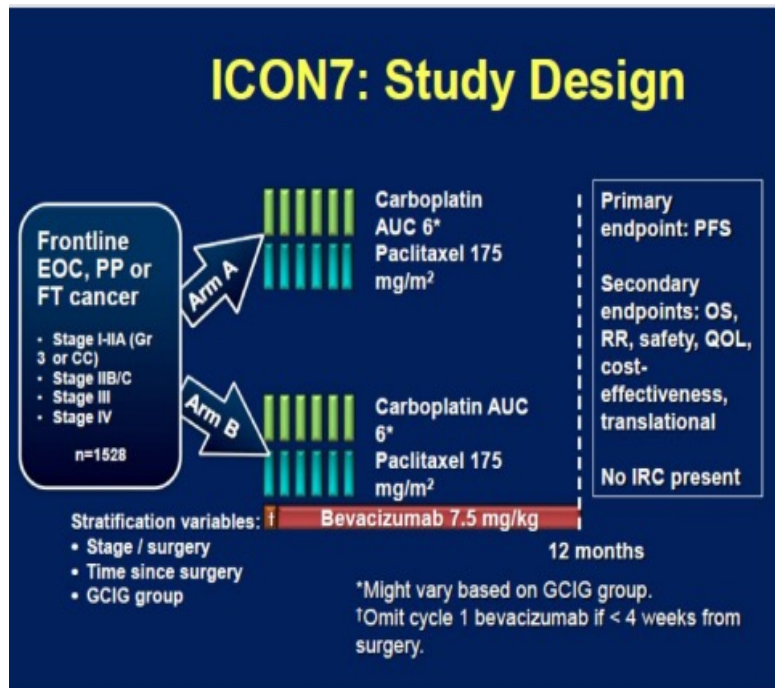
	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
Control	625	535	283	169	133	78	49												
Bev initiation	625	552	319	190	121	67	40												
Bev through-	623	559	386	256	162	97	56												

CT n=625	CT+bev n=623
10,3	14,1
HR : 0,770 95% CI, 0,625–0,824 P<0,001	

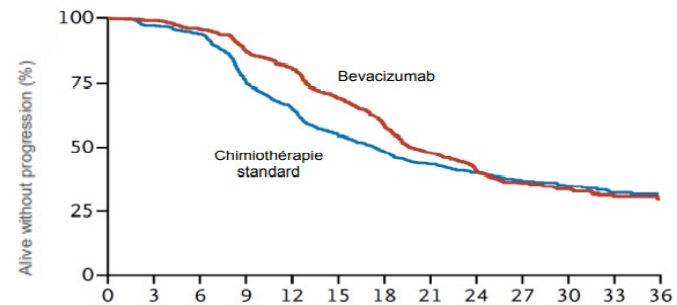
Pas de différence d'efficacité selon le résidu tumoral post opératoire



# Bevacizumab en maintenance 1L : ICON7

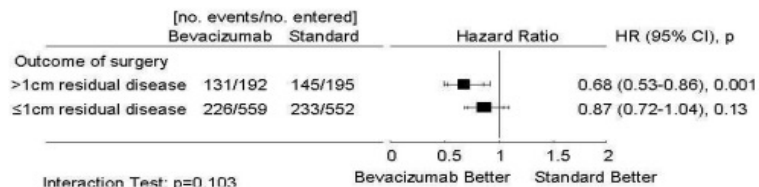


## PFS

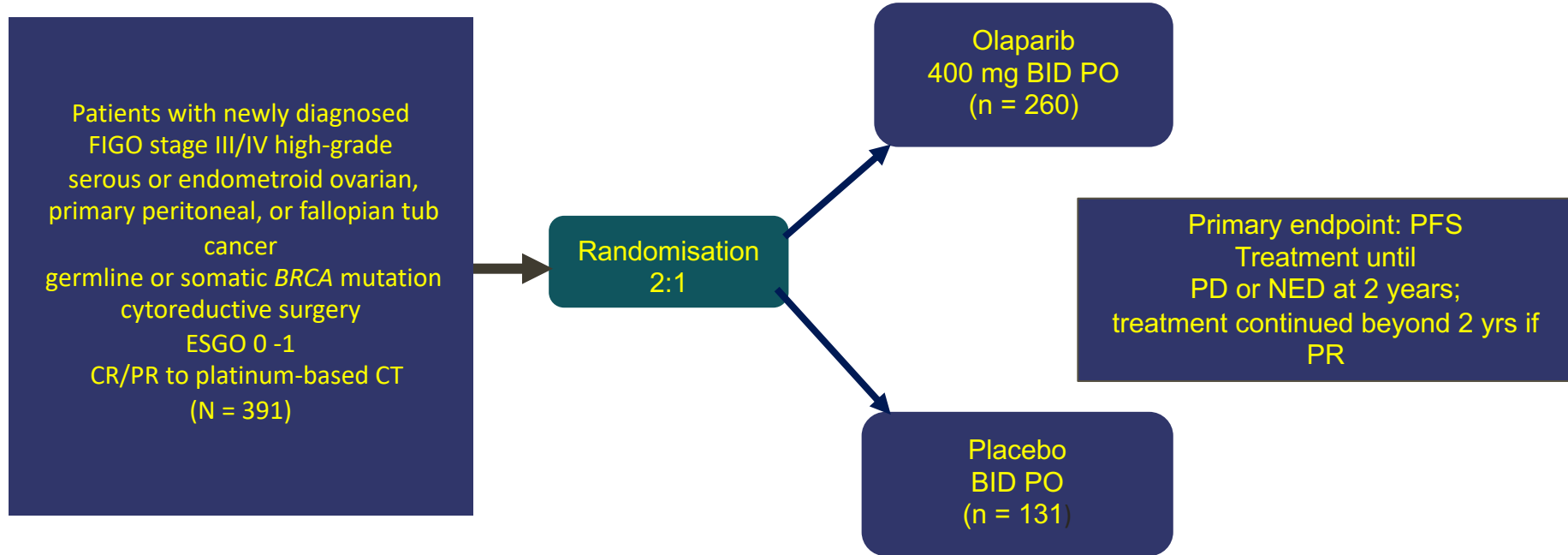


	Months since randomisation												
Patients at risk	0	3	6	9	12	15	18	21	24	27	30	33	36
CT	764	693	464	216	91	25							
CT + Bev	764	715	585	263	73	19							

## Outcome of surgery

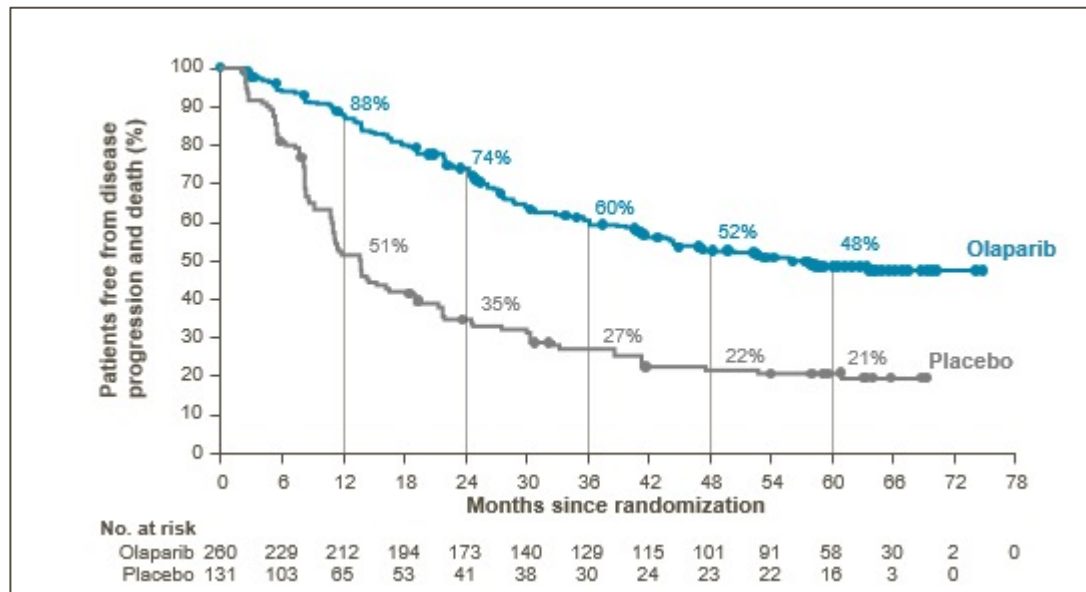


# SOLO-1: Olaparib phase III



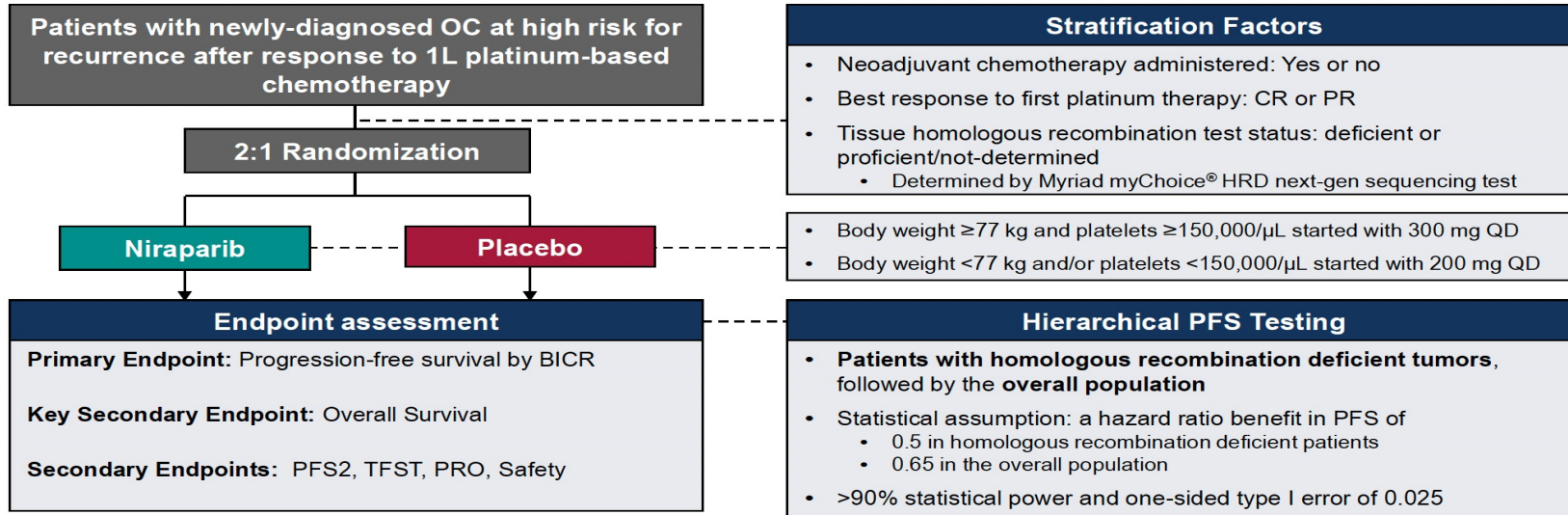
ESMO 2018 d'après Moore K, et al. N Engl J Med 2018;

# SOLO 1 – patientes BRCAm PFS à 5 ans



	Olaparib (n=260)	Placebo (n=131)
Events, n (%)	118 (45)	100 (76)
Median PFS, months	56.0	13.8
Difference, months	42.2	
	<b>HR 0.33</b>	
	95% CI 0.25-0.43	

# PRIMA : Niraparib Phase III



## Population à haut risque de rechute:

- Stade III: PDS avec maladie résiduelle visible, IDS quelque soit le résidu, ou inopérable
- Stade IV: PDS quelque soit le résidu, NACT, ou inopérable

# PRIMA: individualized starting dose

- The study protocol of PRIMA/ENGOT-OV26/GOG-3012 was amended to introduce the ISD regimen on November 16, 2017 (after ~65% of patients were dosed)
  - After this amendment, randomized patients were assigned to receive either 200 mg or 300 mg based on their baseline body weight and platelet count

## 200 mg STARTING DOSE for patients with



Baseline body weight

<77 kg

OR



Baseline platelets

<150,000/ $\mu$ L

## 300 mg STARTING DOSE for patients with



Baseline body weight

$\geq$ 77 kg

AND



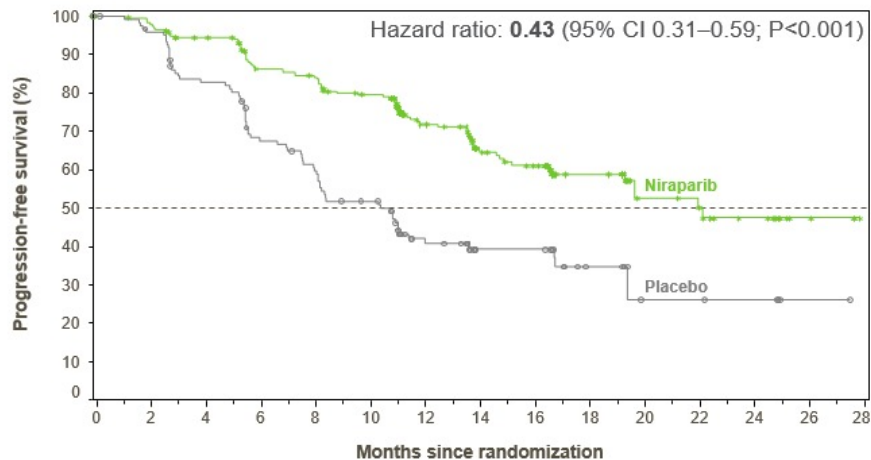
Baseline platelets

$\geq$ 150,000/ $\mu$ L

- Analysis of the ISD regimen was conducted on the safety population (all patients who received  $\geq$ 1 dose of niraparib or placebo)

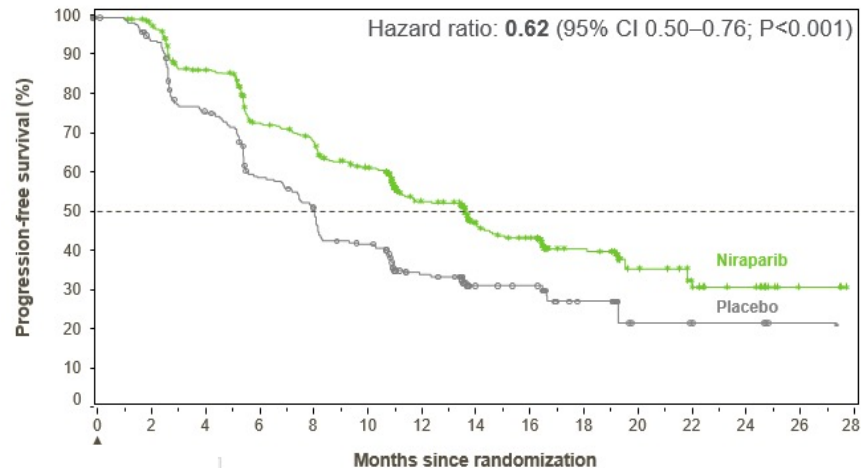
# PRIMA – critère principal

## PFS dans la population HRD



	Niraparib (n=247)	Placebo (n=126)
<b>Median PFS</b>		
Months	<b>21.9</b>	10.4
(95% CI)	<b>(19.3–NE)</b>	(8.1–12.1)

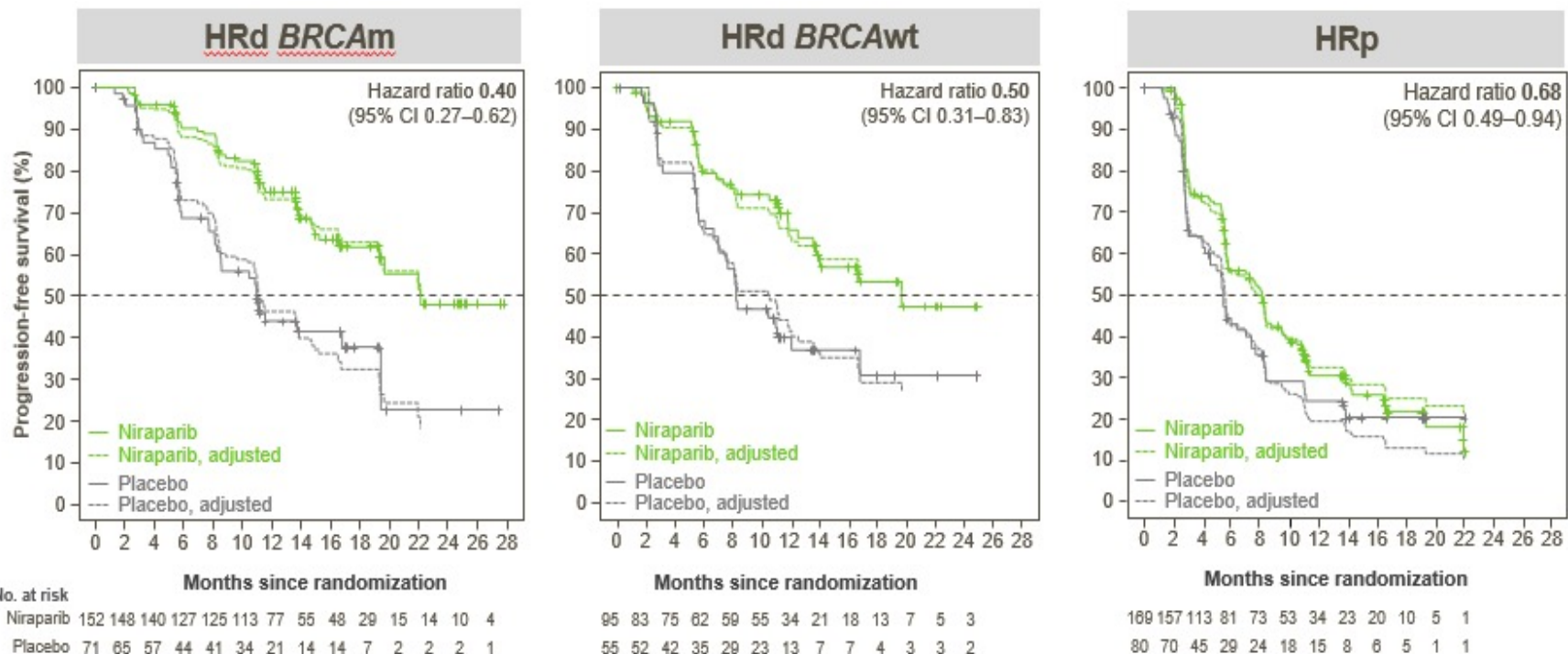
## PFS dans la population totale



	Niraparib (n=487)	Placebo (n=246)
<b>Median PFS</b>		
Months	<b>13.8</b>	8.2
(95% CI)	<b>(11.5–14.9)</b>	(7.3–8.5)

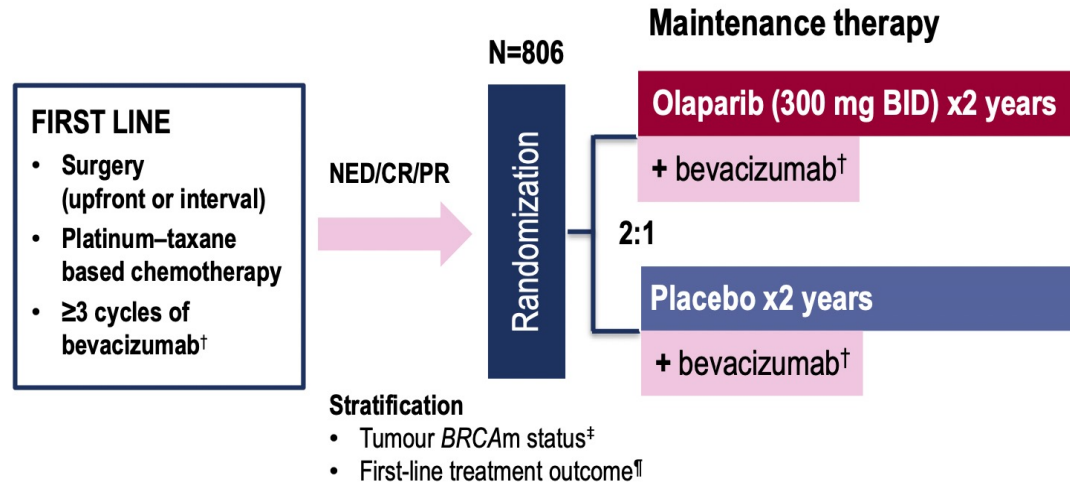


# PRIMA analyses exploratoires



# PAOLA : Olaparib + bev phase III : design

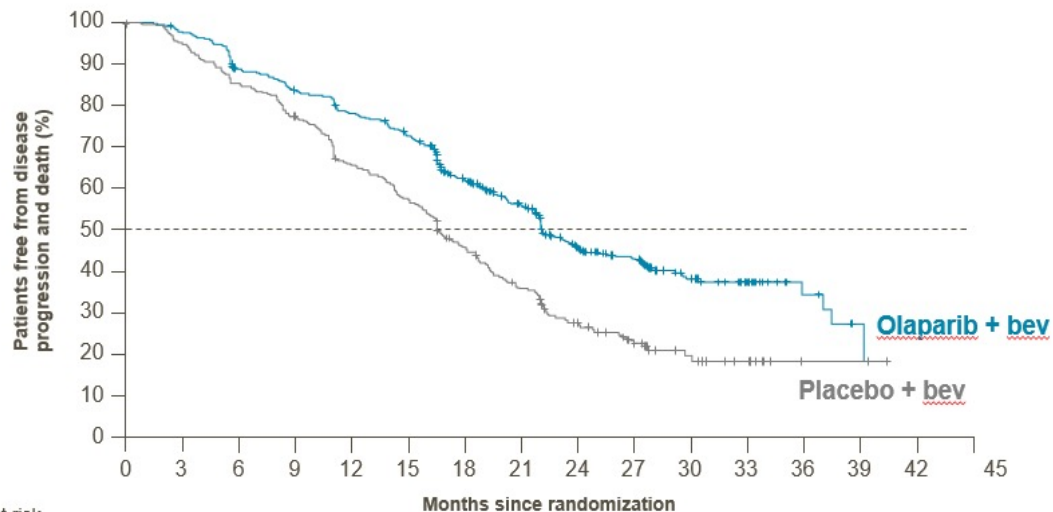
Primary endpoint: PFS



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

<sup>†</sup>Bevacizumab: 15 mg/kg, every 3 weeks for a total of 15 months, including when administered with chemotherapy; <sup>‡</sup>By central labs; <sup>¶</sup>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

# PAOLA critère principal: ITT



No. at risk

	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
<u>Olaparib + bev</u>	537	513	461	433	403	374	279	240	141	112	55	37	12	3	0	
<u>Placebo + bev</u>	269	252	226	205	172	151	109	83	50	35	15	9	1	1	0	

Events, n (%)  
[59% maturity]

Median PFS,  
months

Olaparib + bevacizumab (n=537)	Placebo + bevacizumab (n=269)
--------------------------------------	-------------------------------------

280 (52)

194 (72)

22.1

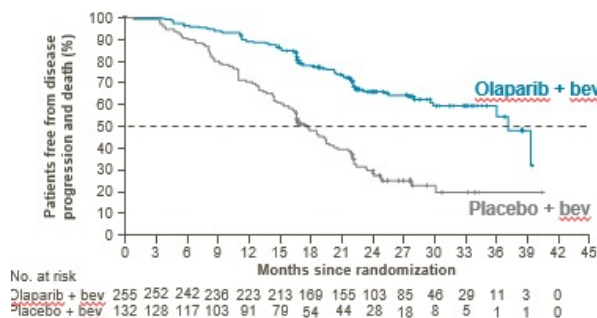
16.6

HR 0.59

95% CI 0.49–0.72  
P<0.001

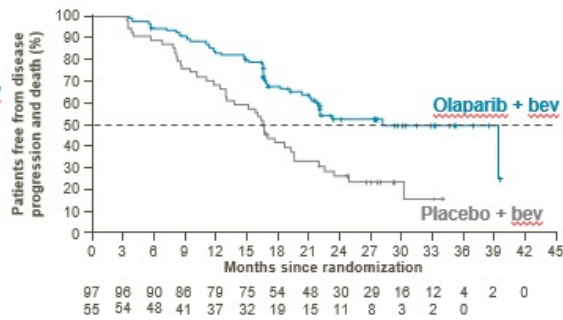
# PAOLA analyses exploratoires

## HRd, including *tBRCAm*



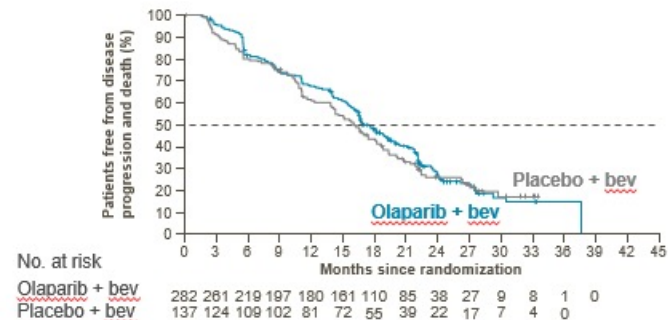
	Olaparib + bevacizumab (n=255)	Placebo + bevacizumab (n=132)
Events, n (%)	87 (34)	92 (70)
Median PFS, months	37.2 <sup>†</sup>	17.7
<b>HR 0.33</b>		
95% CI 0.25–0.45		

## HRd, excluding *tBRCAm*



	Olaparib + bevacizumab (n=97)	Placebo + bevacizumab (n=55)
Events, n (%)	43 (44)	40 (73)
Median PFS, months	28.1 <sup>†</sup>	16.6
<b>HR 0.43</b>		
95% CI 0.28–0.66		

## HRp/HRunknown



	Olaparib + bevacizumab (n=282)	Placebo + bevacizumab (n=137)
Events, n (%)	193 (68)	102 (74)
<b>HR 0.92</b>		
95% CI 0.72–1.17		

## Conclusion Maintenance en 1L

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**Toute patiente présentant un cancer de l'ovaire avancé de haut grade doit avoir une recherche de mutation BRCA et/ou un test HR**

→ Si mutation BRCA1/2 ou HRD positif : iPARP seul ou combo iPARP + bevacizumab

→ Si HRD négatif : Bevacizumab ou iPARP

Un gain de PFS avec tous les traitements

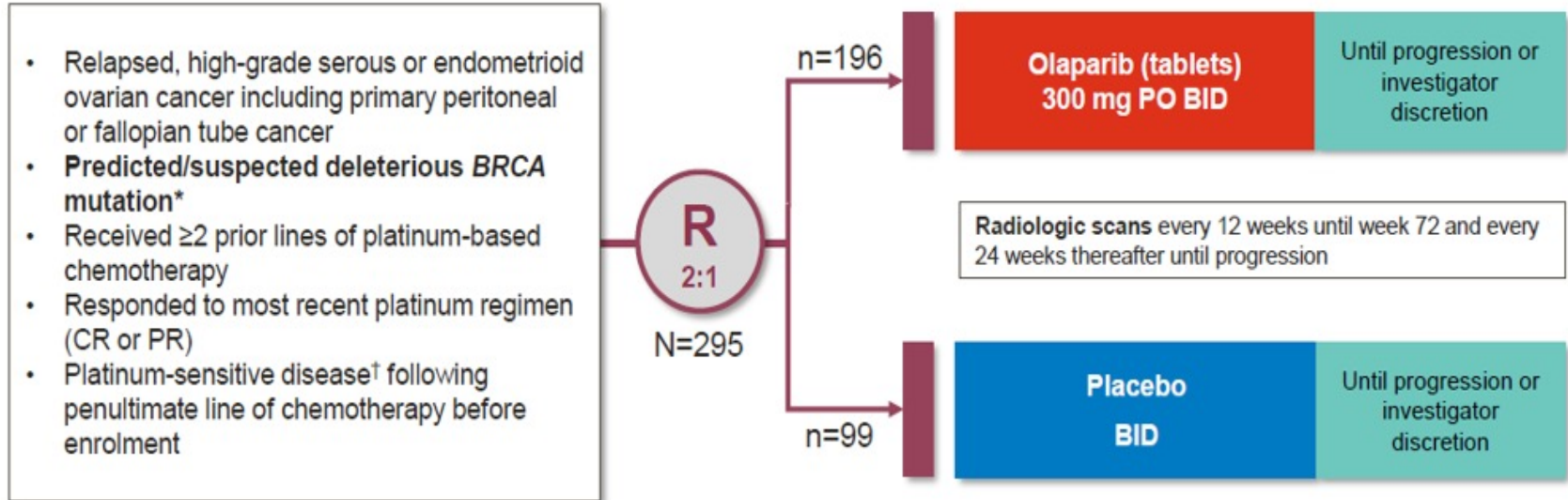
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# Et en rechute quelle est la place des iPARP en 2021?

## Principales études en rechute

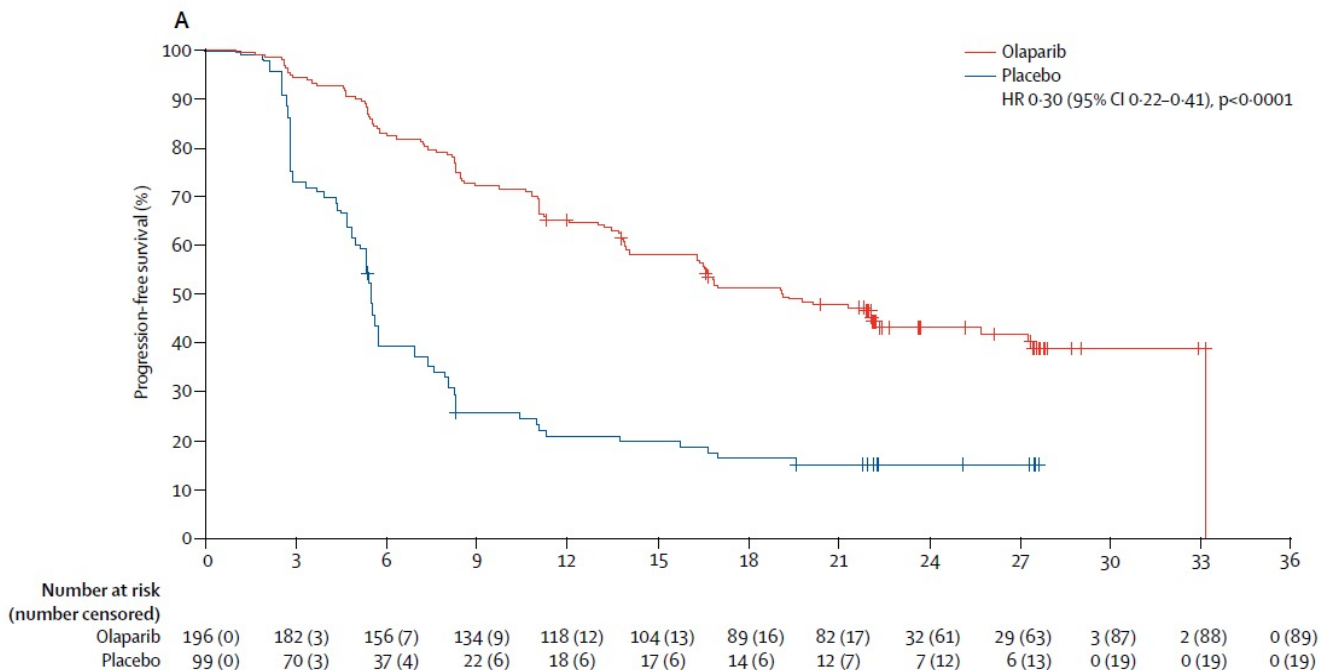
- Patientes BRCAm → Olaparib: SOLO2 – AMM
- Toutes patientes → Niraparib : NOVA - AMM  
→ Rucaparib : ARIEL3 – AMM
- En rechallenge → Olaparib : OREO

# SOLO 2 : Olaparib phase III, BRCAm en rechute platine -S- Design



Critère Principal: mPFS

# SOLO 2 : Olaparib phase III, BRCAm en rechute platine -S



**Olaparib  
(n=196)**

**Placebo  
(n=99)**

**Events,  
n (%)**

107 (55)

80 (81)

**Median  
PFS,  
months**

19.1

5.5

**HR 0.30**

95% CI 0.22–0.41;  
P<0.0001

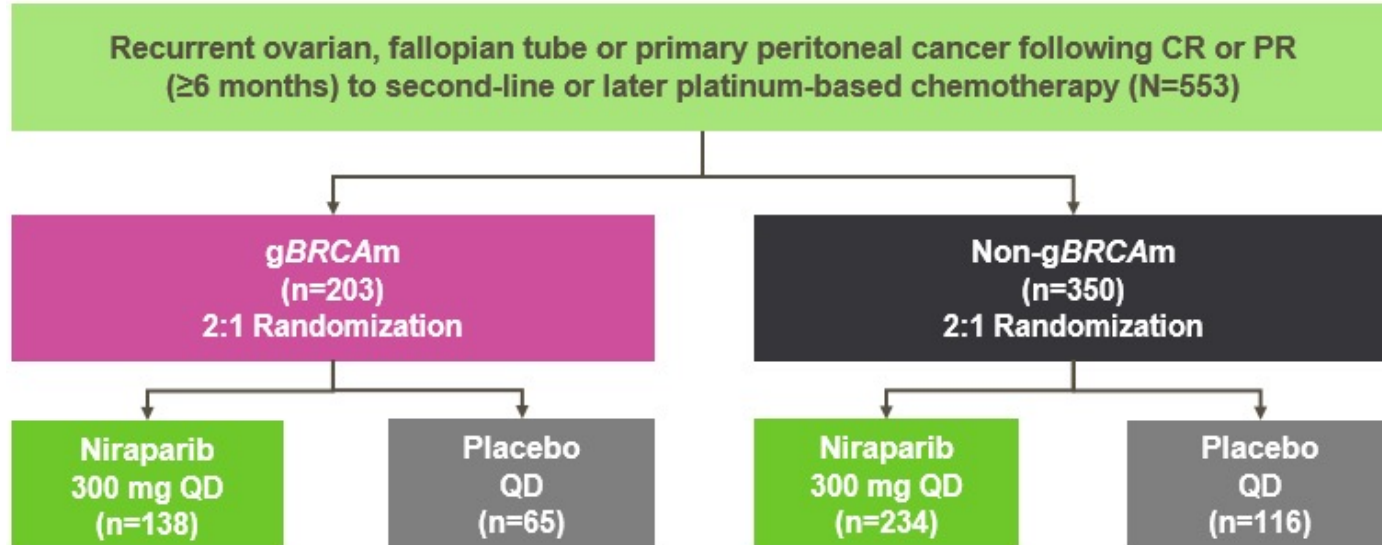


## SOLO 2 : Données de Tolérance

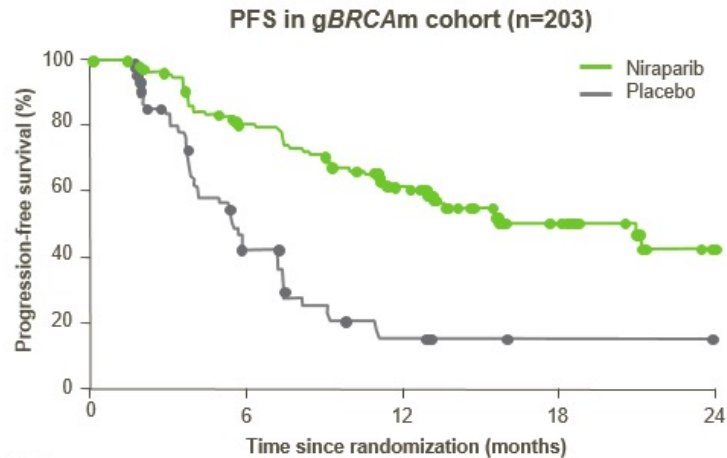
	Olaparib (n=195)			Placebo (n=99)		
	Grade 1-2	Grade 3	Grade 4	Grade 1-2	Grade 3	Grade 4
<b>Any adverse event</b>	120 (62%)	63 (32%)	8 (4%)	76 (77%)	15 (15%)	3 (3%)
<b>Non-haematological</b>						
Nausea	143 (73%)	5 (3%)	0	33 (33%)	0	0
Fatigue or asthenia*	120 (62%)	8 (4%)	0	37 (37%)	2 (2%)	0
Vomiting	68 (35%)	5 (3%)	0	18 (18%)	1 (1%)	0
Diarrhoea	62 (32%)	2 (1%)	0	20 (20%)	0	0
Dysgeusia	52 (27%)	0	0	7 (7%)	0	0
Headache	48 (25%)	1 (1%)	0	13 (13%)	0	0
Abdominal pain	42 (22%)	5 (3%)	0	28 (28%)	3 (3%)	0
Decreased appetite	43 (22%)	0	0	11 (11%)	0	0
Constipation	40 (21%)	0	0	20 (20%)	3 (3%)	0
Cough	32 (16%)	1 (1%)	0	5 (5%)	0	0
Arthralgia	29 (15%)	0	0	15 (15%)	0	0
Pyrexia	26 (13%)	0	0	6 (6%)	0	0
Dizziness	25 (13%)	1 (1%)	0	5 (5%)	0	0
Dyspnoea	21 (11%)	2 (1%)	0	1 (1%)	0	0
Back pain	22 (11%)	0	0	11 (11%)	2 (2%)	0
Dyspepsia	22 (11%)	0	0	8 (8%)	0	0
Abdominal pain upper	21 (11%)	0	0	12 (12%)	0	0
Nasopharyngitis	21 (11%)	0	0	11 (11%)	0	0
Urinary tract infection	17 (9%)	1 (1%)	0	10 (10%)	0	0
<b>Haematological</b>						
Anaemia†	47 (24%)	36 (18%)	2 (1%)	6 (6%)	2 (2%)	0
Neutropenia‡	28 (14%)	8 (4%)	2 (1%)	2 (2%)	3 (3%)	1 (1%)
Thrombocytopenia§	25 (13%)	2 (1%)	0	2 (2%)	1 (1%)	0
Hypomagnesaemia	28 (14%)	0	0	10 (10%)	0	0
Blood creatinine increased	21 (11%)	0	0	1 (1%)	0	0
Leucopenia	17 (9%)	2 (1%)	1 (1%)	1 (1%)	0	0

# NOVA : Niraparib phase III en rechute platine-S Design

Deux cohortes indépendantes : gBRCAm / non-gBRCAm  
Critère principal: PFS

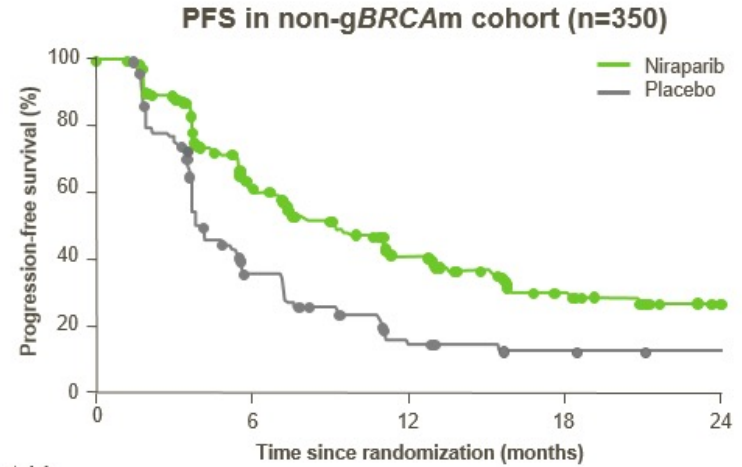


# NOVA critère principal : PFS



No. at risk	0	3	6	9	12	15	18	21	24				
Niraparib	138	125	107	98	89	79	63	44	28	26	16	3	1
Placebo	65	52	34	21	12	8	6	2	2	2	1	1	0

	Niraparib (n=138)	Placebo (n=65)
mPFS (95% CI), months	21.0 (12.9–NR)	5.5 (3.8–7.2)
HR (95% CI)	0.27 (0.17–0.41)	
P value	<0.0001	



No. at risk	0	3	6	9	12	15	18	21	24				
Niraparib	234	188	145	113	88	75	57	41	23	21	16	7	3
Placebo	116	88	52	33	23	19	10	8	4	4	3	1	1

	Niraparib (n=234)	Placebo (n=116)
mPFS (95% CI), months	9.3 (7.2–11.2)	3.9 (3.7–5.5)
HR (95% CI)	0.45 (0.34–0.61)	
P value	<0.0001	

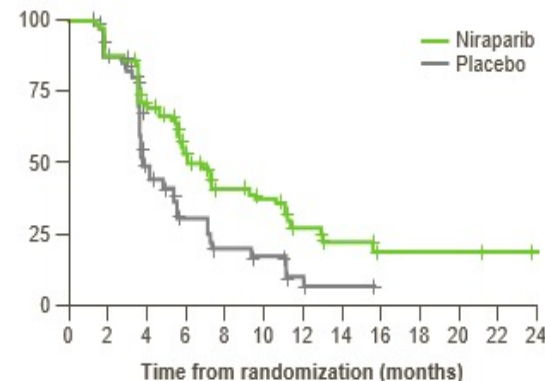
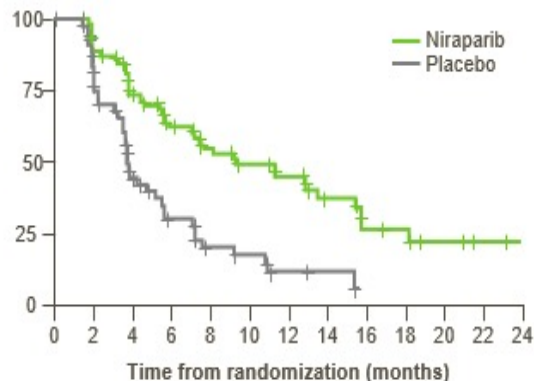
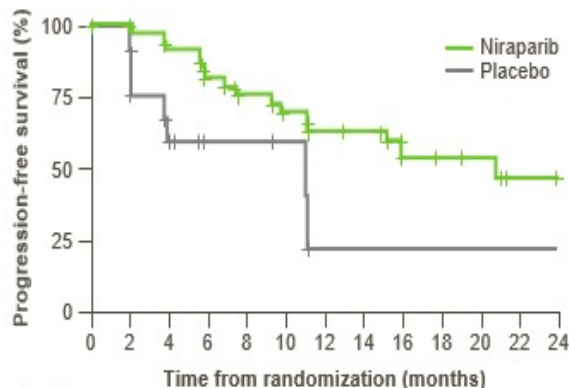
# NOVA, analyses exploratoires : PFS sous-groupes dans la cohorte non-gBRCAm

HRd

HRp

sBRCAm

BRCAwT



No. at risk		0	2	4	6	8	10	12	14	16	18	20	22	24
Niraparib	35	32	29	26	23	21	19	17	9	8	7	2	1	
Placebo	12	9	7	4	4	3	1	1	1	1	1	1	1	

No. at risk		0	2	4	6	8	10	12	14	16	18	20	22	24
Niraparib	71	58	46	38	29	25	21	12	7	6	4	2	1	
Placebo	44	32	19	12	7	6	3	2	0					

No. at risk		0	2	4	6	8	10	12	14	16	18	20	22	24
Niraparib	92	73	54	35	26	22	11	8	3	3	3	2	1	
Placebo	42	35	19	11	7	6	2	2	0					

**20.9 months vs 11.0 months**  
**HR 0.27** (CI 0.08–0.90); P=0.0248

**9.3 months vs 3.7 months**  
**HR 0.38** (CI 0.23–0.63; P=0.0001

**6.9 months vs 3.8 months**  
**HR 0.58**, CI 0.36–0.92; P=0.0226

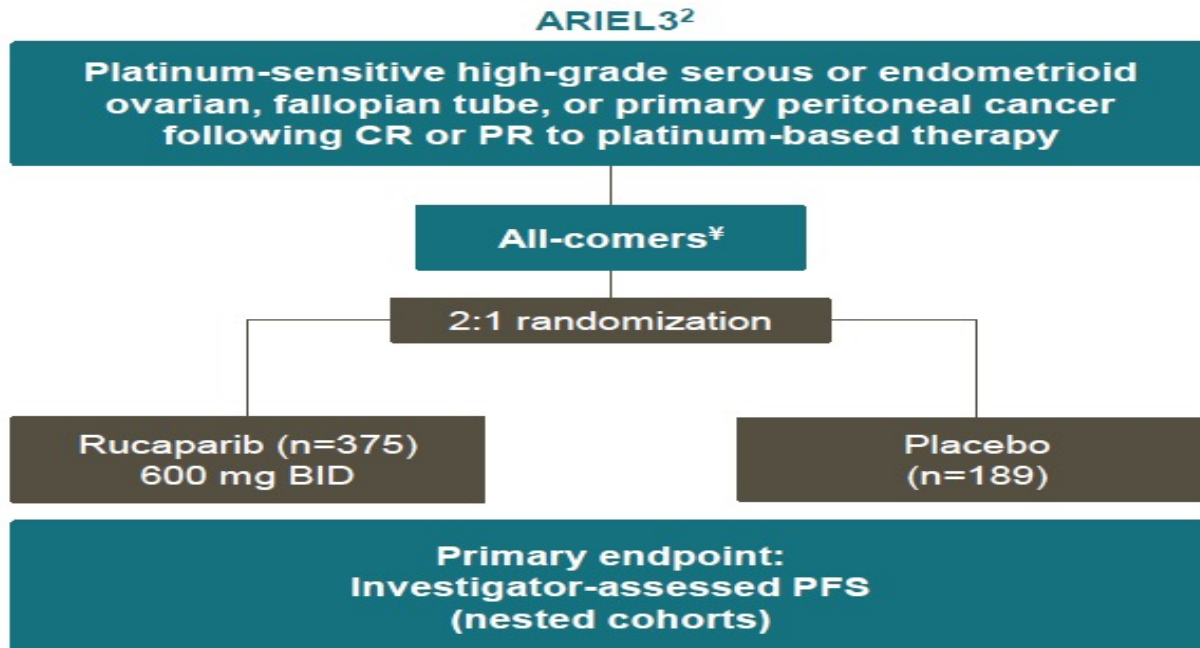
# NOVA : données de tolérance

**Table 2. Adverse Events.\***

Event	Niraparib (N=367)		Placebo (N=179)	
	Any Grade	Grade 3 or 4	Any Grade	Grade 3 or 4
	<i>number of patients (percent)</i>			
Nausea	270 (73.6)	11 (3.0)	63 (35.2)	2 (1.1)
Thrombocytopenia†	225 (61.3)	124 (33.8)	10 (5.6)	1 (0.6)
Fatigue‡	218 (59.4)	30 (8.2)	74 (41.3)	1 (0.6)
Anemia§	184 (50.1)	93 (25.3)	12 (6.7)	0
Constipation	146 (39.8)	2 (0.5)	36 (20.1)	1 (0.6)
Vomiting	126 (34.3)	7 (1.9)	29 (16.2)	1 (0.6)
Neutropenia¶	111 (30.2)	72 (19.6)	11 (6.1)	3 (1.7)
Headache	95 (25.9)	1 (0.3)	17 (9.5)	0
Decreased appetite	93 (25.3)	1 (0.3)	26 (14.5)	1 (0.6)
Insomnia	89 (24.3)	1 (0.3)	13 (7.3)	0
Abdominal pain	83 (22.6)	4 (1.1)	53 (29.6)	3 (1.7)
Dyspnea	71 (19.3)	4 (1.1)	15 (8.4)	2 (1.1)
Hypertension	71 (19.3)	30 (8.2)	8 (4.5)	4 (2.2)
Diarrhea	70 (19.1)	1 (0.3)	37 (20.7)	2 (1.1)
Dizziness	61 (16.6)	0	13 (7.3)	0
Cough	55 (15.0)	0	8 (4.5)	0
Back pain	49 (13.4)	2 (0.5)	21 (11.7)	0
Arthralgia	43 (11.7)	1 (0.3)	22 (12.3)	0
Dyspepsia	42 (11.4)	0	17 (9.5)	0
Nasopharyngitis	41 (11.2)	0	13 (7.3)	0
Urinary tract infection	38 (10.4)	3 (0.8)	11 (6.1)	2 (1.1)
Palpitations	38 (10.4)	0	3 (1.7)	0
Dysgeusia	37 (10.1)	0	7 (3.9)	0
Myalgia	30 (8.2)	1 (0.3)	18 (10.1)	0
Abdominal distention	28 (7.6)	0	22 (12.3)	1 (0.6)

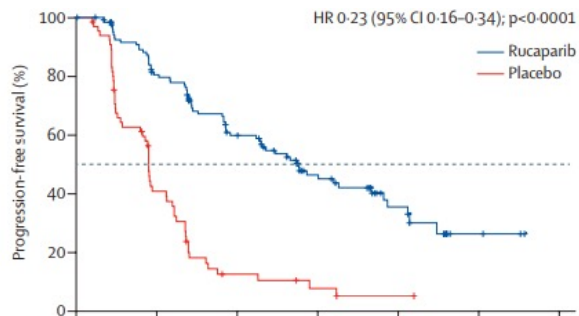
# ARIEL 3 : Rucaparib, phase III en rechute platine-S Design

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# ARIEL 3, critère principal : PFS

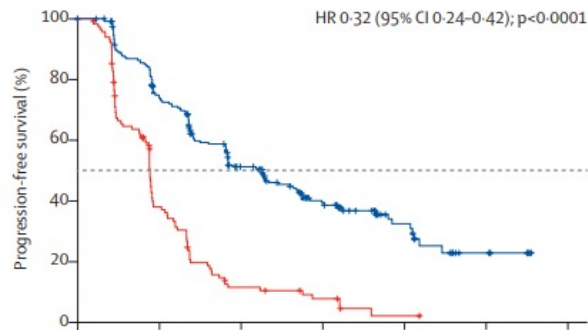
## mPFS BRCAm



Number at risk (censored)	
Rucaparib	130 (0) 93 (14) 63 (21) 35 (37) 15 (51) 3 (60) 0 (63)
Placebo	66 (0) 24 (5) 6 (7) 3 (8) 1 (9) 0 (10) 0 (10)

mPFS: 16,6 mois vs 5,4 mois

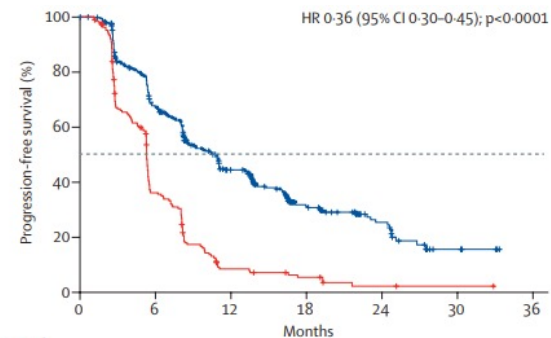
## mPFS HRd



Number at risk (censored)	
Rucaparib	236 (0) 161 (20) 96 (36) 54 (60) 21 (86) 5 (97) 0 (102)
Placebo	118 (0) 40 (10) 11 (12) 6 (14) 1 (16) 0 (17) 0 (17)

mPFS: 13,6 mois vs 5,4 mois

## mPFS en ITT

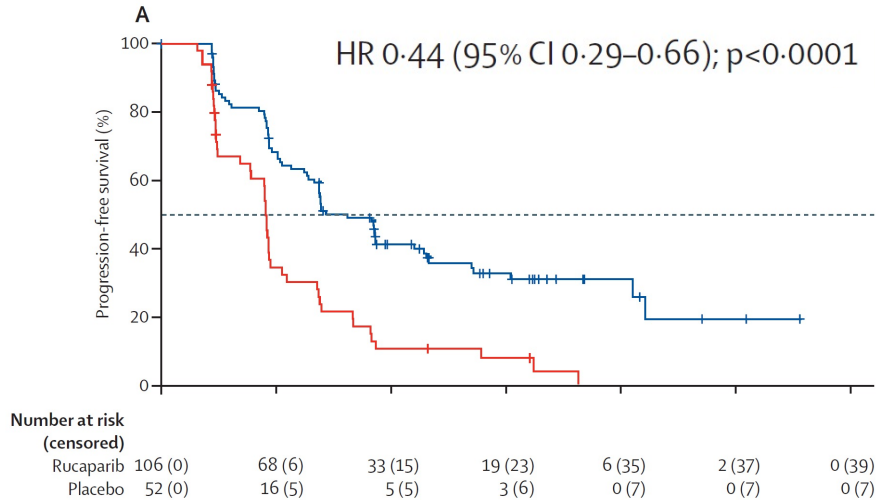


Number at risk (censored)	
Rucaparib	375 (0) 228 (36) 128 (61) 65 (93) 26 (123) 5 (136) 0 (141)
Placebo	189 (0) 63 (12) 13 (16) 7 (18) 2 (20) 1 (21) 0 (22)

mPFS: 10,8 mois vs 5,4 mois

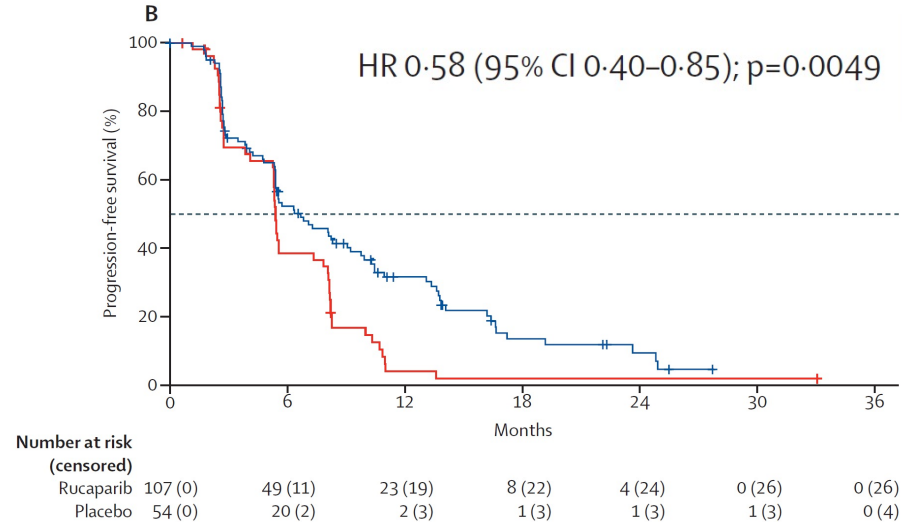
# ARIEL 3, Analyses exploratoires BRCAwt

## BRCAwt / HRd



mPFS: 9,7 mois vs 5,4 mois

## HRp



mPFS: 6,7 vs 5,4 mois



# ARIEL 3 : données de tolérance

	Rucaparib (n=372)				Placebo (n=189)			
	Any grade	Grade 1-2	Grade 3	Grade 4	Any grade	Grade 1-2	Grade 3	Grade 4
At least one AE	372 (100%)*	163 (44%)	179 (48%)	24 (6%)	182 (96%)†	154 (81%)	24 (13%)	2 (1%)
<b>Blood and lymphatic system disorders</b>								
Decreased haemoglobin concentration (anaemia)	139 (37%)	69 (19%)	67 (18%)	3 (1%)	11 (6%)	10 (5%)	0	1 (1%)
Decreased neutrophil count (neutropenia)	67 (18%)	42 (11%)	19 (5%)	6 (2%)	9 (5%)	7 (4%)	1 (1%)	1 (1%)
Decreased platelet count (thrombocytopenia)	104 (28%)	85 (23%)	13 (3%)	6 (2%)	5 (3%)	5 (3%)	0	0
<b>Gastrointestinal disorders</b>								
Abdominal distension	41 (11%)	41 (11%)	0	0	22 (12%)	22 (12%)	0	0
Abdominal pain	111 (30%)	102 (27%)	9 (2%)	0	49 (26%)	48 (25%)	1 (1%)	0
Upper abdominal pain	52 (14%)	50 (13%)	2 (1%)	0	10 (5%)	10 (5%)	0	0
Constipation	136 (37%)	129 (35%)	7 (2%)	0	45 (24%)	43 (23%)	2 (1%)	0
Diarrhoea	118 (32%)	116 (31%)	2 (1%)	0	41 (22%)	39 (21%)	2 (1%)	0
Dyspepsia	54 (15%)	53 (14%)	1 (<1%)	0	9 (5%)	9 (5%)	0	0
Nausea	280 (75%)	266 (72%)	14 (4%)	0	69 (37%)	68 (36%)	1 (1%)	0
Vomiting	136 (37%)	121 (33%)	15 (4%)	0	28 (15%)	26 (14%)	2 (1%)	0
<b>General disorders and administration site conditions</b>								
Fatigue (asthenia)	258 (69%)	233 (63%)	25 (7%)	0	83 (44%)	78 (41%)	5 (3%)	0
Peripheral oedema	39 (10%)	38 (10%)	1 (<1%)	0	14 (7%)	14 (7%)	0	0
Pyrexia	44 (12%)	44 (12%)	0	0	8 (4%)	8 (4%)	0	0
<b>Infections and infestations</b>								
Upper respiratory tract infection	41 (11%)	41 (11%)	0	0	6 (3%)	4 (2%)	2 (1%)	0
<b>Investigations</b>								
Increase in alanine aminotransferase or aspartate aminotransferase concentration‡	126 (34%)	87 (23%)	39 (10%)	0	7 (4%)	7 (4%)	0	0
Increase in blood creatinine concentration	57 (15%)	56 (15%)	1 (<1%)	0	3 (2%)	3 (2%)	0	0

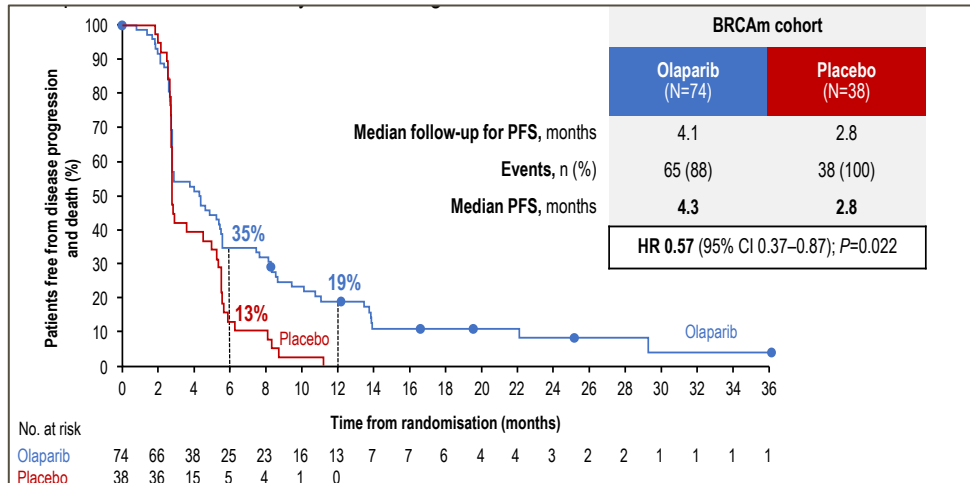
	Rucaparib (n=372)				Placebo (n=189)			
	Any grade	Grade 1-2	Grade 3	Grade 4	Any grade	Grade 1-2	Grade 3	Grade 4
<b>Metabolism and nutrition disorders</b>								
Decreased appetite	87 (23%)	85 (23%)	2 (1%)	0	26 (14%)	26 (14%)	0	0
Hypomagnesaemia	40 (11%)	39 (10%)	1 (<1%)	0	11 (6%)	11 (6%)	0	0
<b>Musculoskeletal and connective tissue disorders</b>								
Arthralgia	57 (15%)	55 (15%)	2 (1%)	0	24 (13%)	24 (13%)	0	0
Back pain	45 (12%)	45 (12%)	0	0	28 (15%)	28 (15%)	0	0
<b>Nervous system disorders</b>								
Dizziness	54 (15%)	54 (15%)	0	0	15 (8%)	14 (7%)	1 (1%)	0
Dysgeusia	146 (39%)	146 (39%)	0	0	13 (7%)	13 (7%)	0	0
Headache	67 (18%)	66 (18%)	1 (<1%)	0	30 (16%)	29 (15%)	1 (1%)	0
<b>Psychiatric disorders</b>								
Insomnia	53 (14%)	53 (14%)	0	0	15 (8%)	15 (8%)	0	0
<b>Respiratory, thoracic, and mediastinal disorders</b>								
Cough	54 (15%)	54 (15%)	0	0	25 (13%)	25 (13%)	0	0
Dyspnoea	50 (13%)	50 (13%)	0	0	14 (7%)	14 (7%)	0	0
<b>Skin and subcutaneous tissue disorders</b>								
Photosensitivity reaction	64 (17%)	62 (17%)	2 (1%)	0	1 (1%)	1 (1%)	0	0
Pruritus	47 (13%)	47 (13%)	0	0	19 (10%)	19 (10%)	0	0
Rash	46 (12%)	45 (12%)	1 (<1%)	0	17 (9%)	17 (9%)	0	0

Data are n (%). AE=adverse event. \*Includes six patients who died from a treatment-emergent adverse event. †Includes two patients who died from a treatment-emergent adverse event. ‡Elevations were generally transient, self-limiting, and not associated with other signs of liver toxicity.

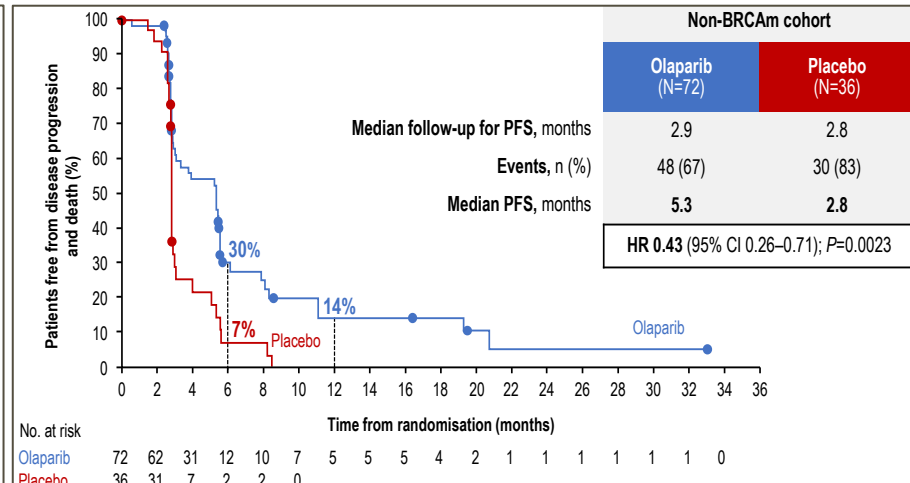
Table 2: Treatment-emergent adverse events of any grade reported in at least 10% of patients in either group in the safety population

# Place du Re-challenge iPARP : Essai OREO

## Cohorte BRCAm

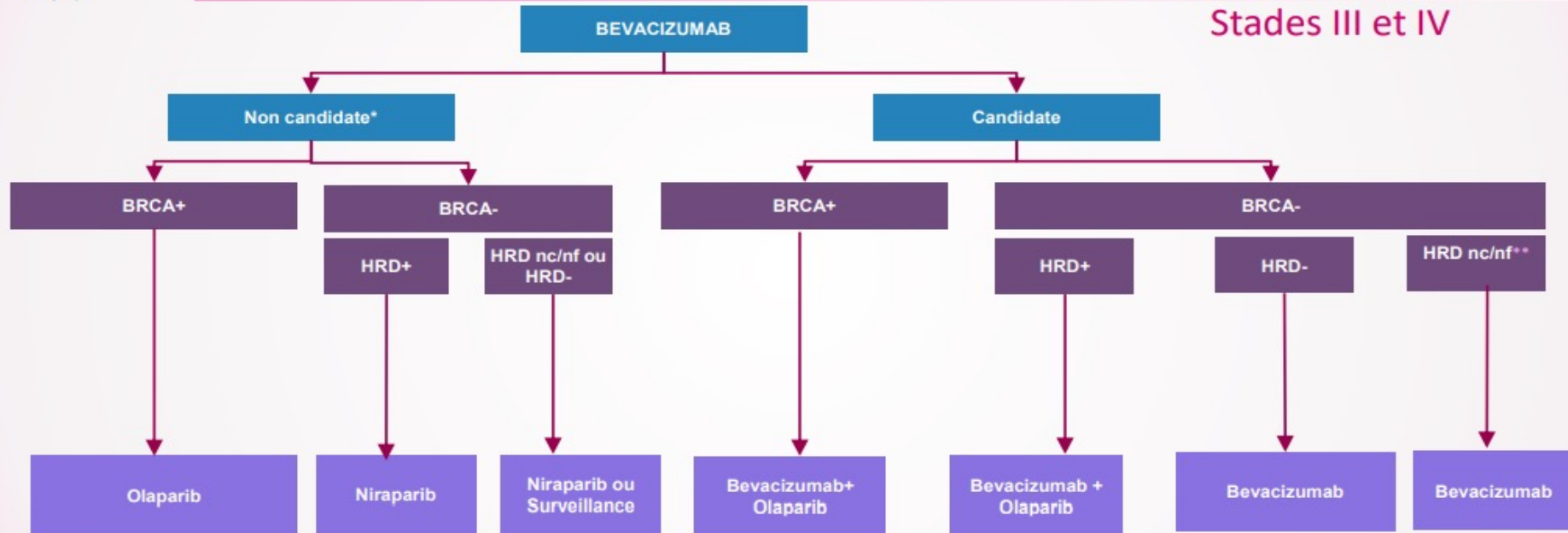


## Cohorte non-BRCAm



# Algorithme de choix thérapeutiques avec les nouvelles ATU et post-ATU disponibles en 2021

Cancer ovaire – haut grade –  
Stades III et IV



\*Non candidate: contre-indication ou option du bévacizumab non retenue par le médecin

HRD + : Test HRD positif (le test a identifié une défaillance de la recombinaison homologue)

HRD- : Test HRD négatif (le test n'a pas identifié de défaillance de la recombinaison homologue)

HRDnf : test non fait (à faire)

HRDnc : test non contributif (à refaire)

# Conclusion

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une avancée majeure en 1L et en rechute

Importance recherche mutation BRCA et statut HRD systématiquement

Un plus grand choix de traitements en 1L et en rechute pour les patientes

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MERCI