

Gynécologie

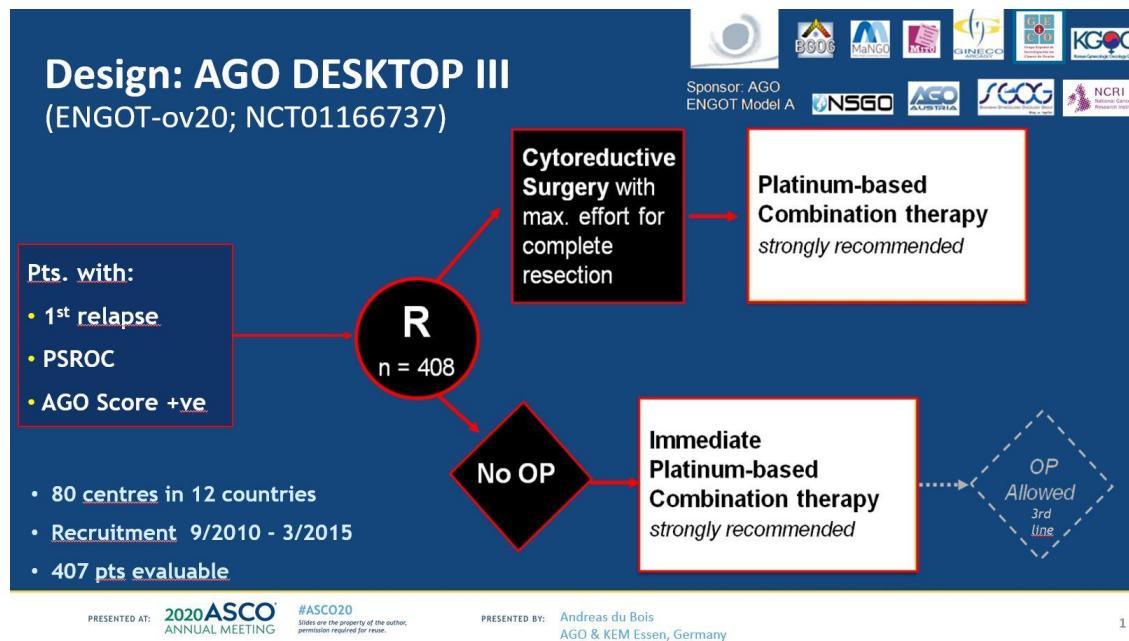
Dr Anne Floquet (oncologue médicale, Institut Bergonié)

Points Forts

- Tumeurs de l'ovaire en rechute:
 - Place de la chirurgie : essai randomisé **phase III DESKTOP III (A du Bois)**
 - Résultats finaux sur la survie globale
 - Olaparib en maintenance: essai randomisé **phase III SOLO 2 (A Poveda)**
 - Résultats finaux sur la survie globale
- Tumeurs trophoblastiques gestationnelles (TTG)
 - Apport de l'immunothérapie: essai **phase II TROPHIMMUN (B You)**

Essai DESKTOP III

Design



Objectif principal: survie globale

Objectifs secondaires:

SSP, taux de résection complète, morbi-mortalité

Rationnel

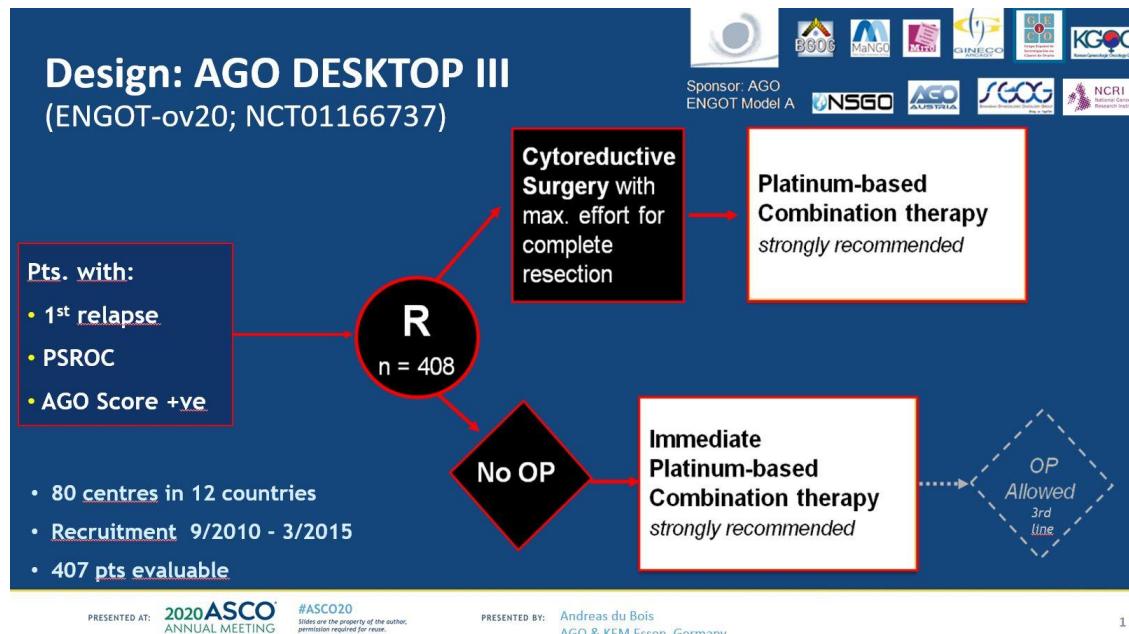
- Validation de la place d'une chirurgie complète à la rechute
- En situation de 1 ère rechute platine sensible
- Score AGO + :
 - ECOG 0
 - Aucun résidu à la chirurgie initiale
 - Volume ascite < 500 ml

Validation essais DESKTOP I et II

Harter P, du Bois A, Hahmann M, et al. Ann Surg Oncol 2006
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Analyse intermédiaire prévue à 122 Evt
 ASCO 2017: présentation bénéfice en SSP

Essai DESKTOP III

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AGO DESKTOP III: Surgery arm

(AGO-OVAR OP.4; ENGOT-ov20; NCT01166737)

Duration of surgery (minutes; median / quartiles)	222 (150 - 300)
GI-tract resection	35.8%
Stoma diversion temporary / permanent	3.7% / 4.2%
Blood loss (ml; median / quartiles)	250 (50 - 500)
RBC transfusion	17.6%
post-OP fever > 38°C	4.8%
Antibiotics (mainly for urinary tract infections)	19.7%
Re-laparotomy rate	3.7%
30-/90- days mortality	0 / 1 pat. (0.5%)
Macroscopic complete resection rate	74.2%

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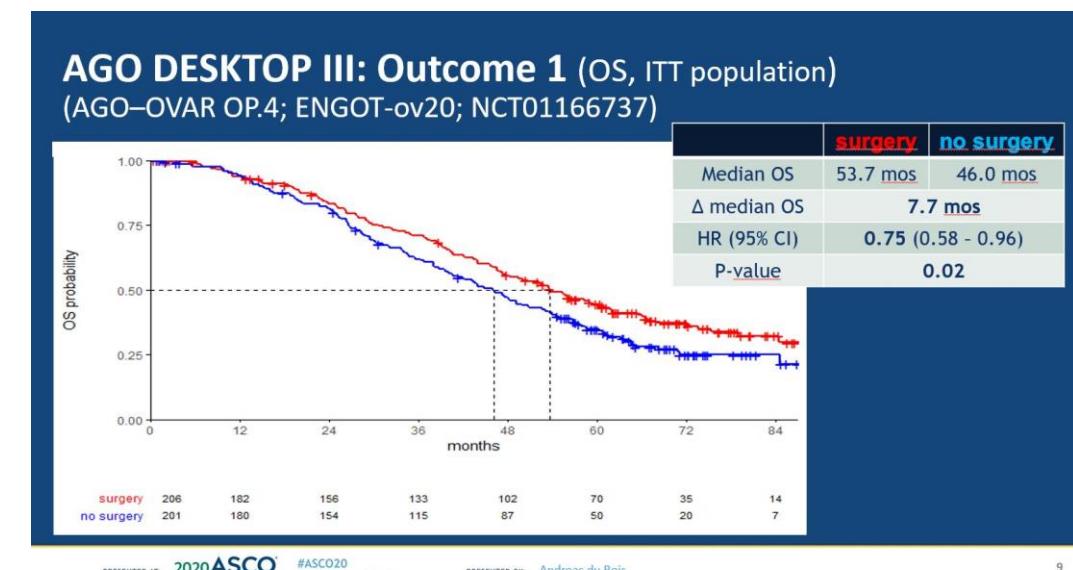
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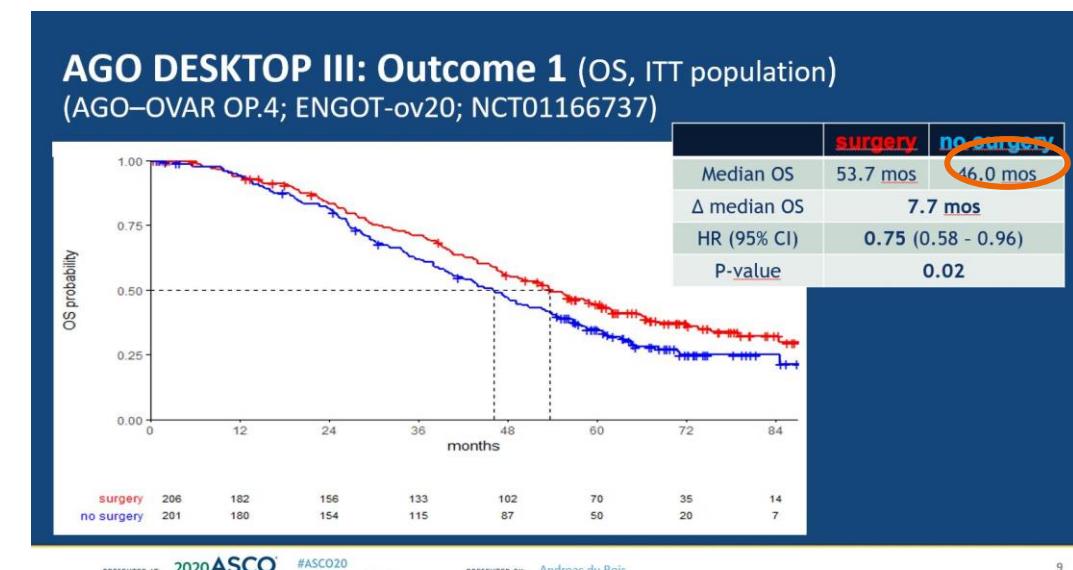
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AGO DESKTOP III: Outcome 1 (OS, ITT population) (AGO-OVAR OP.4; ENGOT-ov20; NCT01166737)



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AGO DESKTOP III: Outcome 2 (PFS, ITT population, after DB closure Jan 17th 2020) (AGO-OVAR OP.4; ENGOT-ov20; NCT01166737)



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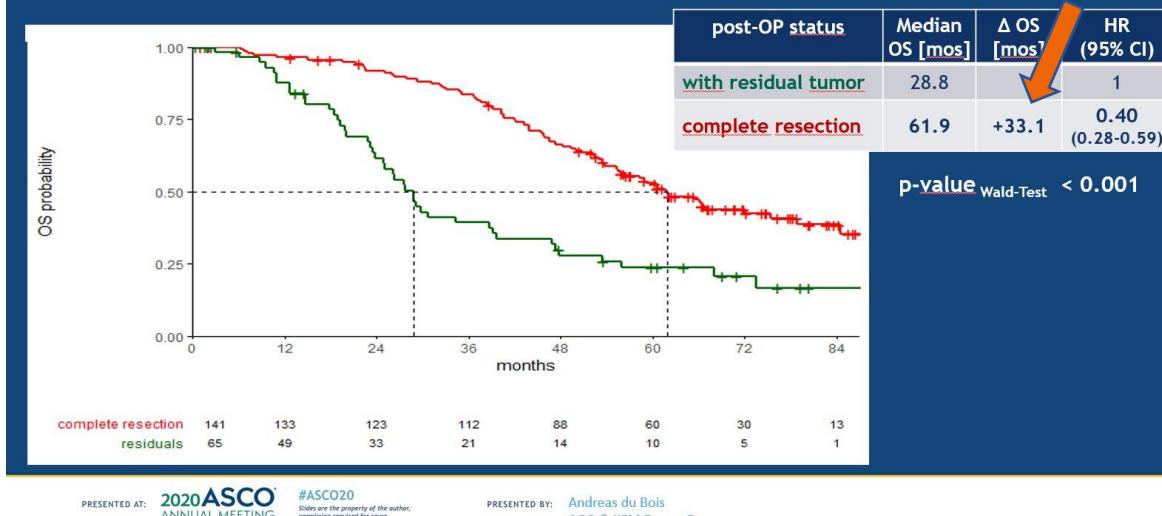
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Essai DESKTOP III

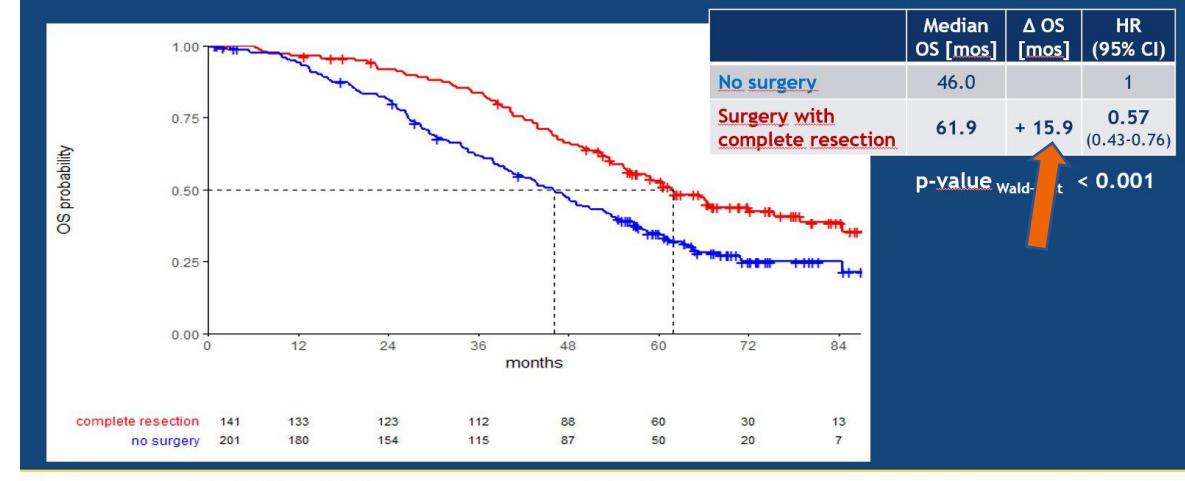
AGO DESKTOP III: post hoc Subgroup analysis – surgical arm only
(OS by surgical outcome) - (AGO-OVAR OP.4; ENGOT-ov20; NCT01166737)



Patientes opérées: impact de la chirurgie complète

Impact d'une chirurgie complète / chimio seule

AGO DESKTOP III: post hoc Subgroup analysis
(impact of complete resection – cohort with incomplete resection excluded)



Essai DESKTOP III

Essai DESKTOP III

AGO DESKTOP III: Conclusions

(AGO-OVAR OP.4; ENGOT-ov20; NCT01166737)

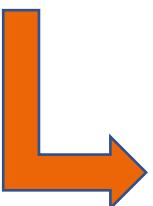
- DESKTOP III is the 1st prospectively randomised trial showing an OS benefit of debulking surgery in recurrent ovarian cancer.
- Cytoreductive surgery for pts with a Pt-free interval > 6 months and selected by the AGO Score significantly prolonged both overall and progression-free survival.
- The OS benefit was highest and exclusively seen in the cohort with complete resection indicating the importance of thorough selection process of both the right patient and centre.

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AGO DESKTOP III: translation into daily routine

(AGO-OVAR OP.4; ENGOT-ov20; NCT01166737)

- Patients with recurrent ovarian cancer and a platinum-free interval > 6 months should be evaluated regarding their eligibility for cytoreductive surgery:
 - AGO Score, imaging, patient & tumor characteristics
- and should be counseled for the options of secondary surgery (in specialized and experienced centres):
 - 50% AGO Score positive in pts with platinum-free interval > 6 mos
 - 75% complete resection in AGO Score positive pts
 - median survival gain > 12 mos *if complete resection* is achieved

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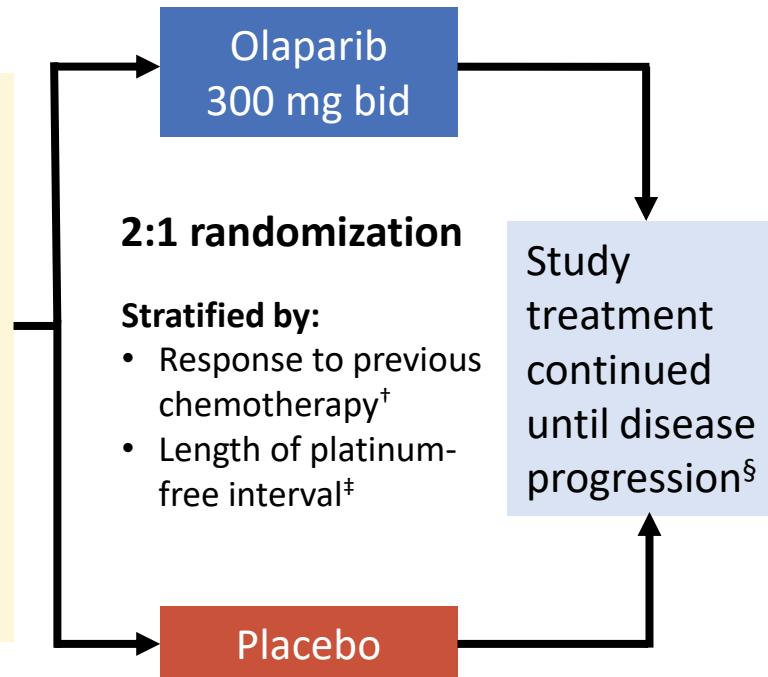
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SOLO2: study design

Eligible patients had:

- Relapsed, high-grade serous or endometrioid ovarian cancer*
- BRCAm
- Received ≥ 2 previous lines of platinum-based chemotherapy
- Responded to most recent platinum regimen



Primary endpoint

- Investigator-assessed PFS

Time-dependent secondary endpoints

- Overall survival
- PFS2
- TFST
- TSST
- TDT
- HRQoL[¶]

Final analysis

DCO: Feb 3, 2020

- Planned for 60% data maturity (~177 events)
- Prespecified adjusted OS analysis (RPSFT model, re-censored): to adjust for subsequent PARP inhibitor therapy in placebo group
- Post hoc OS sensitivity analysis (eCRF): to correct for patients mis-stratified at randomization
- Prespecified OS sensitivity analysis: Myriad gBRCAm subgroup

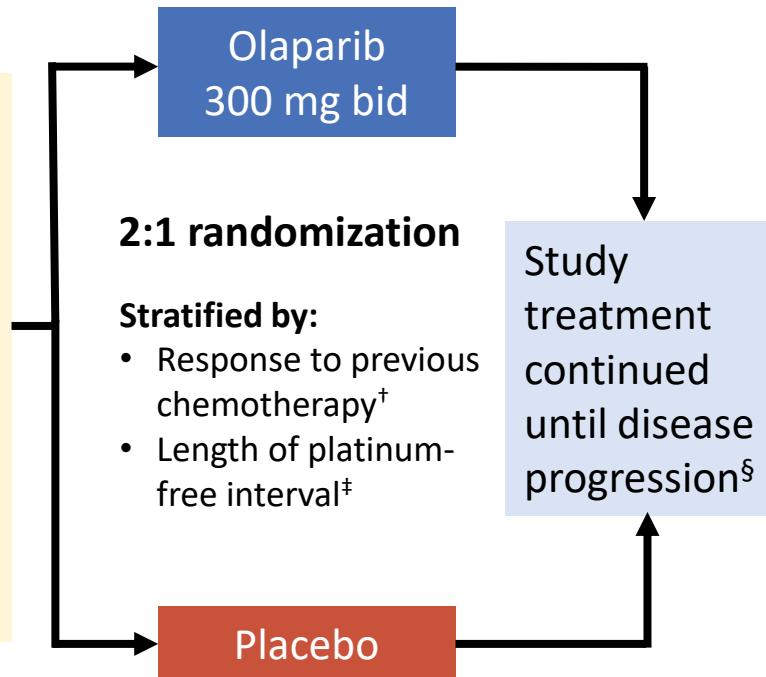
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eCRF, electronic case report form; gBRCAm, germline BRCA mutation; FACT-O, Functional Assessment of Cancer Therapy – Ovarian; HRQoL, health-related quality of life; PFS2, time to second progression; RPSFT, rank preserving structural failure time model; TDT, time to study treatment discontinuation or death; TFST, time to first subsequent therapy or death; TOI, trial outcome index; TSST, time to second subsequent therapy or death

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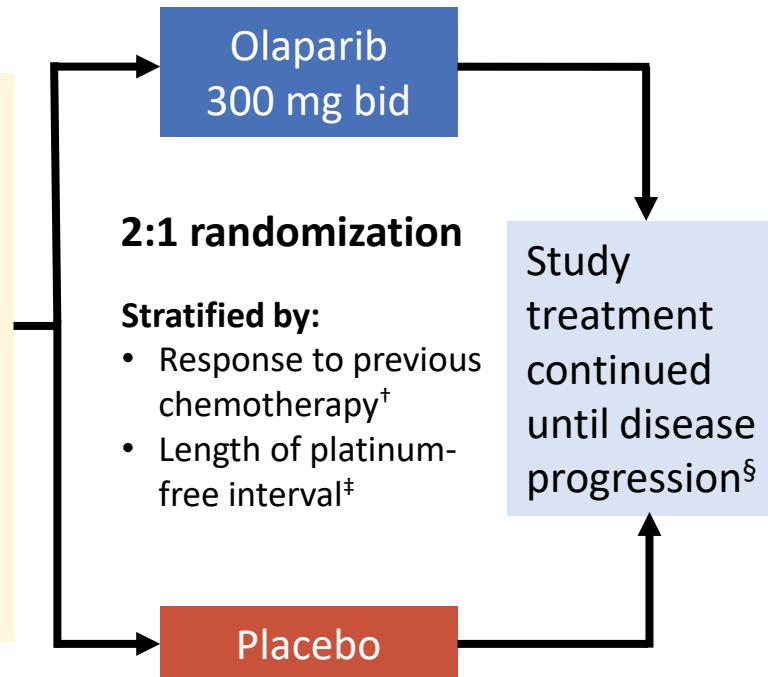
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Essai SOLO 2

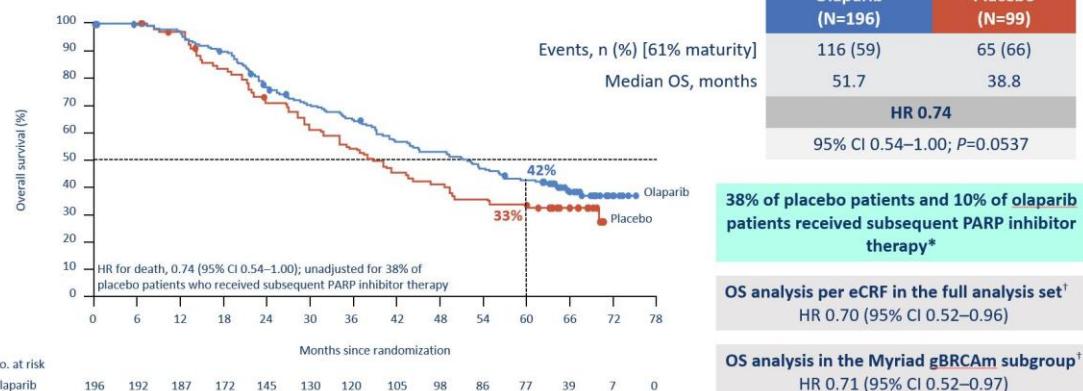
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SOLO2: final analysis of OS

Median OS improved by **12.9 months** with maintenance olaparib over placebo,
despite 38% of placebo patients receiving subsequent PARP inhibitor therapy



38% of placebo patients and 10% of olaparib patients received subsequent PARP inhibitor therapy*

OS analysis per eCRF in the full analysis set[†]
HR 0.70 (95% CI 0.52–0.96)

OS analysis in the Myriad gBRCAm subgroup[†]
HR 0.71 (95% CI 0.52–0.97)

*According to medical review of PARP inhibitor use

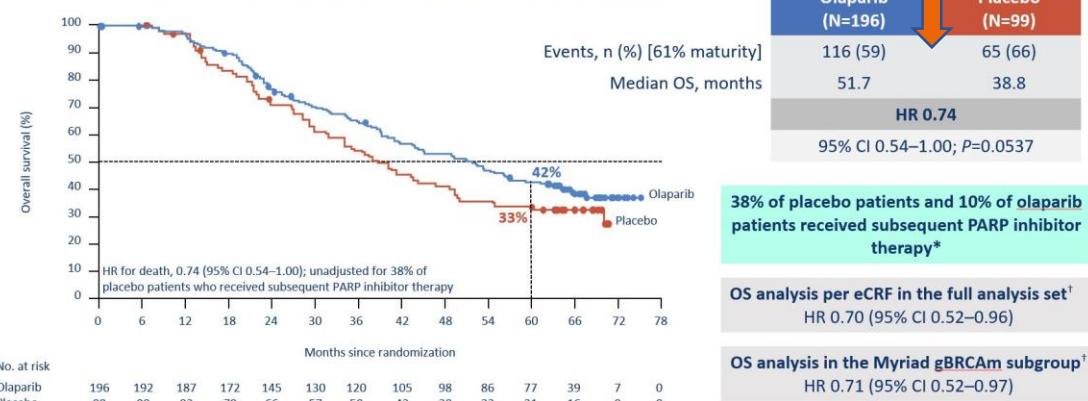
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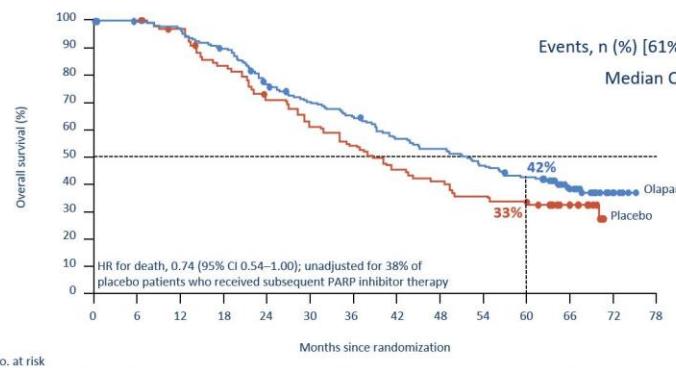
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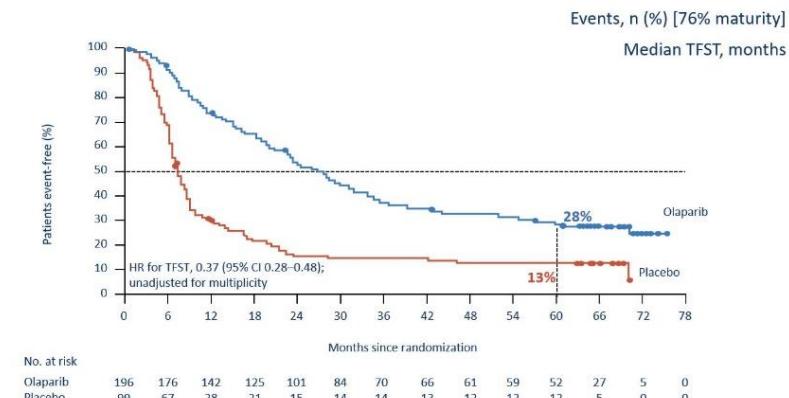
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SOLO2: time to first subsequent therapy

At 5 years, 28% of olaparib patients vs 13% of placebo patients were alive and had not received subsequent therapy

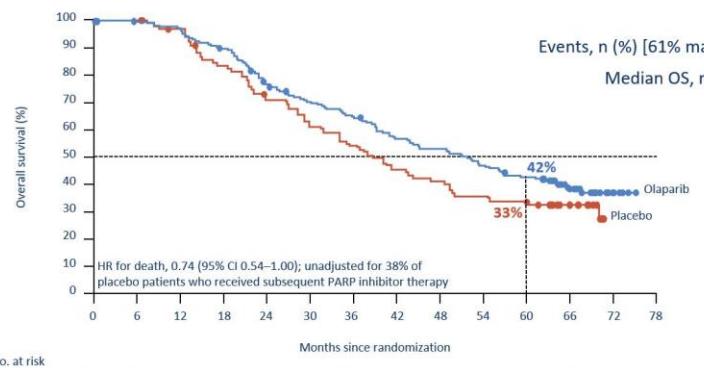


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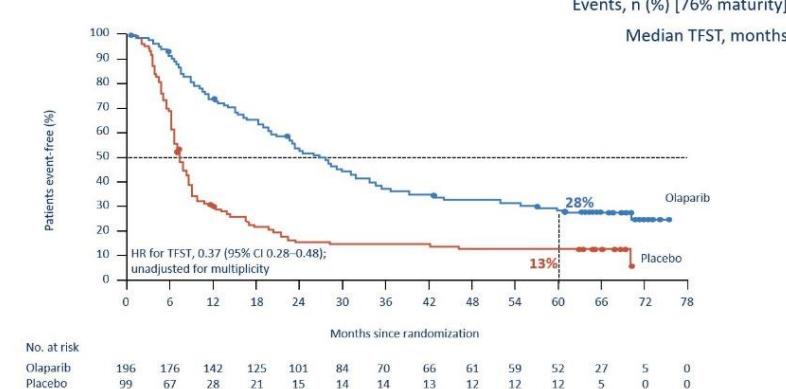
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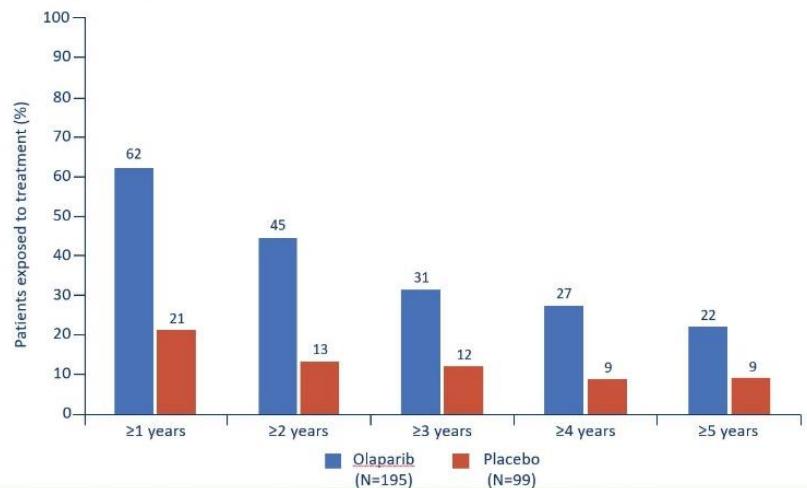


Essai SOLO 2

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SOLO2: duration of treatment exposure

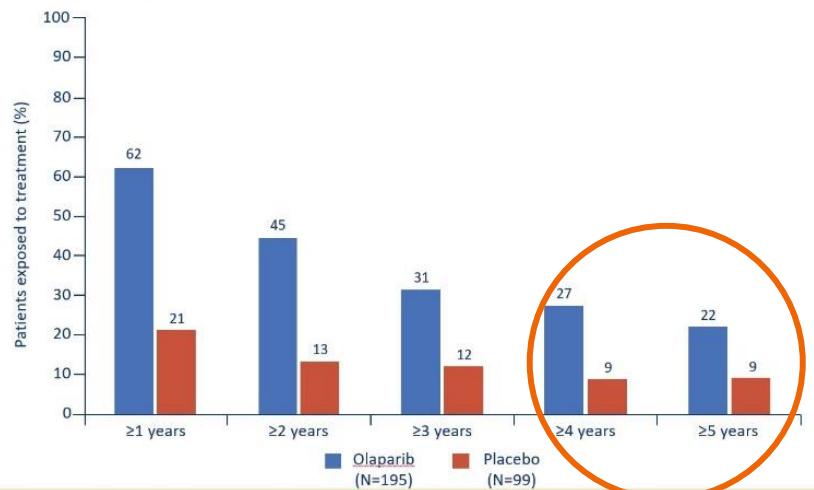
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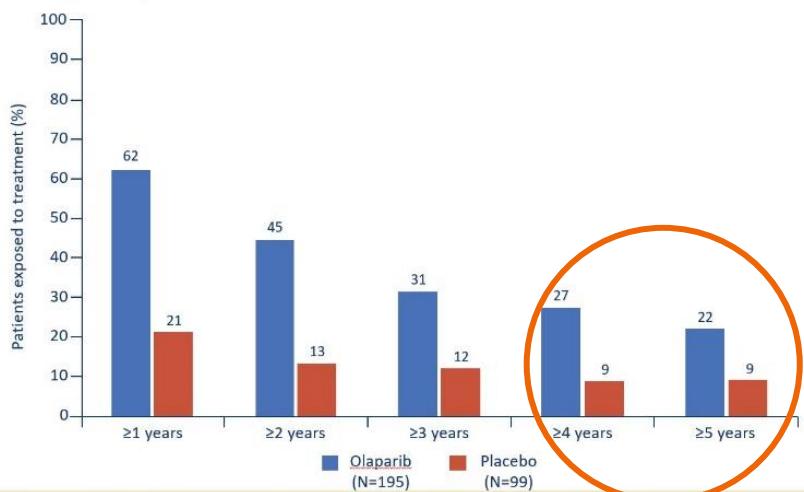
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SOLO2: safety overview – primary and final analyses*

Small increase in TEAEs, dose modifications and treatment discontinuations in the olaparib group compared with the primary analysis, despite longer treatment duration

	Olaparib (N=195)		Placebo (N=99)	
	Primary	Final	Primary	Final
Mean total treatment duration (SD), months	17.4 (9.8)	29.1 (24.7)	9.0 (8.1)	13.1 (18.6)
All-grade TEAEs, n (%)	192 (98)	194 (99)	94 (95)	94 (95)
Grade ≥3 TEAEs, n (%)	72 (37)	90 (46)	18 (18)	19 (19)
Serious TEAEs, n (%)	35 (18)	50 (26)	8 (8)	8 (8)
TEAEs leading to dose interruption, n (%)	88 (45)	97 (50)	18 (18)	19 (19)
TEAEs leading to dose reduction, n (%)	49 (25)	54 (28)	3 (3)	3 (3)
TEAEs leading to treatment discontinuation, n (%)	21 (11)	33 (17)	2 (2)	3 (3)

*Primary DCO: Sep 19, 2016; final DCO: Feb 3, 2020
SD, standard deviation; TEAE, treatment-emergent adverse event

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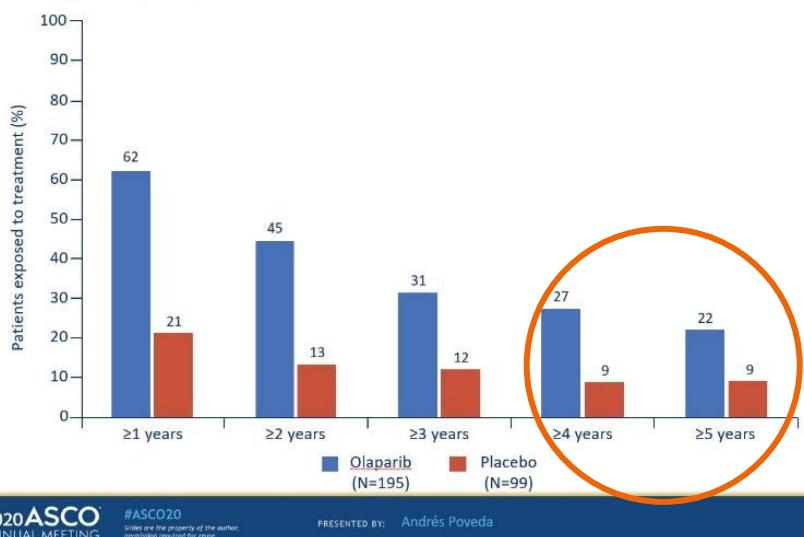
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SOLO2: AEs of special interest – primary and final analyses*†

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	Primary	Final	Primary	Final
Mean total treatment duration (SD), months	17.4 (9.8)	29.1 (24.7)	9.0 (8.1)	13.1 (18.6)
MDS/AML, n (%)	4 (2)	16 (8)	4 (4)	4 (4)
During the safety follow-up period (TEAE)	7 (4)	9 (5)	0	4 (4)
After the safety follow-up period (non-TEAE)				
Pneumonitis, n (%)	3 (2)	3 (2)	0	0

MDS/AML

- Actively solicited throughout study treatment and follow-up
- Incidences should be interpreted in the context of their late onset[‡] and the longer OS observed with olaparib vs placebo
- Association with the number of prior platinum regimens, olaparib treatment and other potential risk factors is being explored

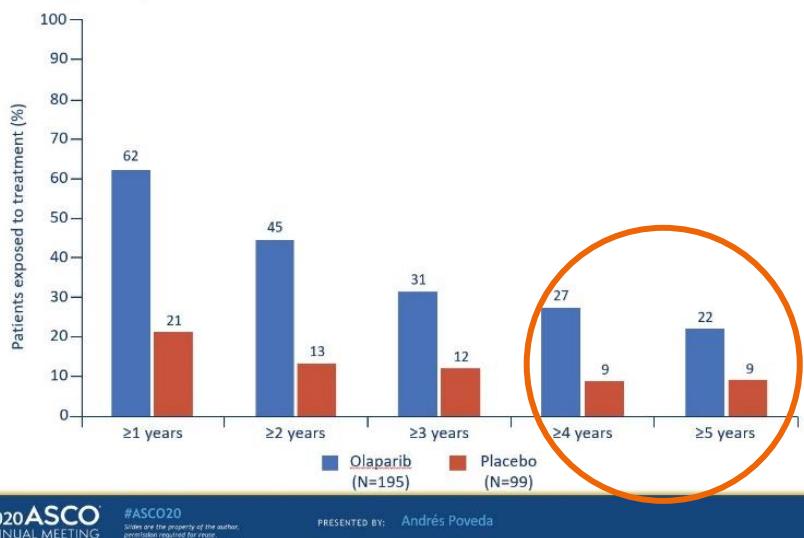
In patients with newly diagnosed ovarian cancer and a BRCAm, at median follow-up of 65 months, MDS/AML occurred in 1% of olaparib patients and no placebo patients¹

*Includes AEs that occurred outside safety follow-up period (during treatment and up to 30 days after discontinuation); [†]New primary malignancies (excluding hematologic malignancies) occurred in 1 olaparib patient (1%) and 1 placebo patient (1%) in the primary analysis, and in 8 olaparib patients (4%) and 2 placebo patients (2%) in the final analysis; [‡]After the safety follow-up period 1 AstraZeneca data on file for the SOLO1 trial (NCT0184986)

Essai SOLO 2

SOLO2: duration of treatment exposure

22% of patients received maintenance olaparib for ≥5 years, reflecting the therapeutic benefit and manageable tolerability of olaparib



SOLO2: safety overview – primary and final analyses*

Small increase in TEAEs, dose modifications and treatment discontinuations in the olaparib group compared with the primary analysis, despite longer treatment duration

	Olaparib (N=195)		Placebo (N=99)	
	Primary	Final	Primary	Final
Mean total treatment duration (SD), months	17.4 (9.8)	29.1 (24.7)	9.0 (8.1)	13.1 (18.6)
All-grade TEAEs, n (%)	192 (98)	194 (99)	94 (95)	94 (95)
Grade ≥3 TEAEs, n (%)	72 (37)	90 (46)	18 (18)	19 (19)
Serious TEAEs, n (%)	35 (18)	50 (26)	8 (8)	8 (8)
TEAEs leading to dose interruption, n (%)	88 (45)	97 (50)	18 (18)	19 (19)
TEAEs leading to dose reduction, n (%)	49 (25)	54 (28)	3 (3)	3 (3)
TEAEs leading to treatment discontinuation, n (%)	21 (11)	33 (17)	2 (2)	3 (3)

*Primary DCO: Sep 19, 2016; final DCO: Feb 3, 2020
SD, standard deviation; TEAE, treatment-emergent adverse event

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PRESENTED BY: Andrés Poveda

SOLO2: AEs of special interest – primary and final analyses*†

	Olaparib (N=195)		Placebo (N=99)	
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1. AstraZeneca data on file for the SOLO1 trial (NCT0184986)

Essai SOLO 2

Conclusions

- SOLO2 is the first Phase III trial of maintenance PARP inhibitor therapy to report OS data for women with PSROC and a BRCAm since the introduction of platinum-based chemotherapy
 - Maintenance olaparib provided a clinically meaningful prolongation of median OS by 12.9 months over placebo
- At 5 years, 42% of patients treated with olaparib were alive
 - 22% of patients remained on maintenance olaparib for ≥ 5 years
 - Time to first subsequent therapy was improved with olaparib vs placebo
- Few additional AEs, and dose modifications or discontinuations due to AEs, occurred in olaparib patients with longer-term treatment
 - MDS/AML incidences should be interpreted in the context of their late onset and the longer OS observed with olaparib vs placebo; potential risk factors will be further explored

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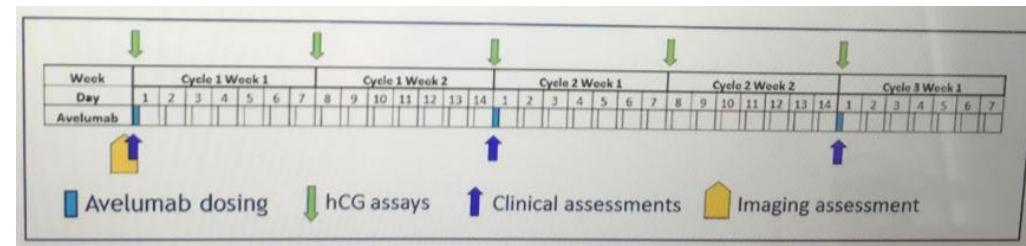
- Rappel:
 - TTG : maladies rares ≈ 1 grossesse/10 000
 - FIGO score ≤ 6: dite à « bas risque »
 - Traitement: MTX IM
 - Si échec:
 - Actinomycine ou poly-chimiothérapie (EMA-CO, EA-EP, BEP)
- Rationnel pour avélumab:
 - 100% PDL1 exprimé
 - Case reports d'efficacité du pembrolizumab
 - Profil de tolérance

Essai TROPHIMMUN

2 cohortes dans l'essai

- Cohorte A: résistance à la mono-chimiothérapie (MTX+/- ActinoD)
- Cohorte B: résistance à la poly-chimiothérapie
- Principal objectif: normalisation hCG
- Objectifs secondaires: tolérance, délai à rechute, SG

1 schéma de traitement



Avélumab: 10 mg/kg IV toutes les 2 semaines
jusqu'à normalisation hCG en maintenance 3 cycles
Monitorage biologique hebdomadaire

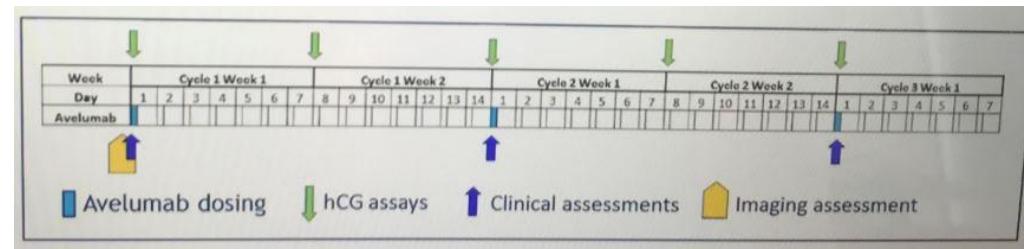
Plan Simon en 2 étapes: 6 patientes et si ≥ 3 réponses, 15 patientes

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Essai TROPHIMMUN

Caractéristiques patientes

N= 15 patientes (Déc 2016- Sept 2019)

Age médian: 34 ans

Score FIGO

0-2:0

3-4:5 (33%)

5-6:7 (46,7%)

≥ 7: 3 (20%)

Stade III avec atteinte pulmonaire: 47 %

100% pré traitées par MTX, 7 % avec ActinoD

Baseline hCG > 1000 UI/L: 27%

Nbre médian cycles: 8 (2-11)

Suivi médian: 30 mois

Résultats

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▪ Objectif ppal:

- **8 normalisation hCG (53,3%) avec un nbre médian de cycles à 9 (6-11)**
 - Aucune rechute
- 7 échecs (46,6%)
 - 6 monochimio
 - 2 polychimio
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▪ Objectifs secondaires:

- Tolérance excellente: aucun gr 3
- 93% gr ½ (Fatigue, NV, réaction injection, dysthyroidie, œil sec, diarrhées)

Essai TROPHIMMUN

POUR LA PRATIQUE

Car

- Importance du travail en réseau pour les tumeurs rares

N= 15

Age m

Score

0-2:0

3-4:5

5-6:7

≥ 7: 3

Stade

100%

Baseli

Nbre

- 1er essai d'immunothérapie dans TTG

- L'avélumab est efficace après échec d'1 ou 2 mono-chimiothérapies

- La réponse est indépendante du stade et du score FIGO

- Profil de tolérance favorable

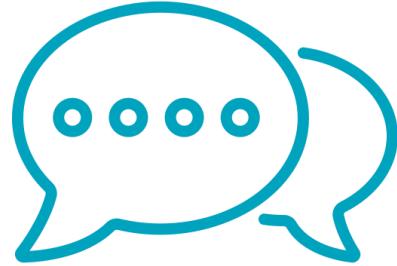
- L'avélumab représente une nouvelle option thérapeutique

- L'essai se poursuit dans la cohorte B

- Un nouvel essai est mis en place TROPHAMET

Suivi médian: 30 mois

- 93% gr ½ (Fatigue, NV, réaction injection, dysthyroidie, œil sec, diarrhées)



Des questions ?

Merci de votre écoute