

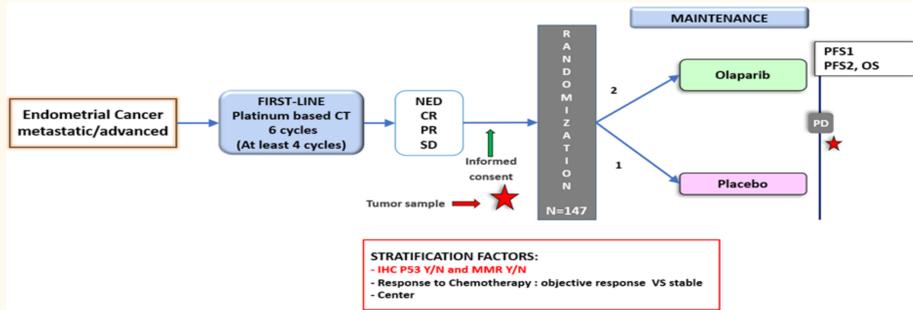
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## INTRODUCTION

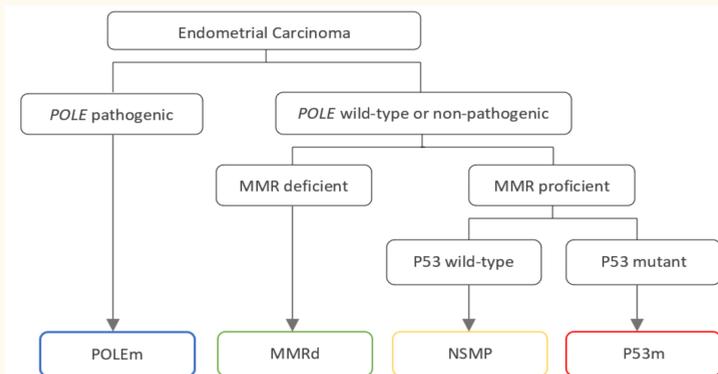
Here we present the baseline histo-molecular profile of the platinum-sensitive advanced EC included in the Utola multicenter, randomized phase 2 trial evaluating the efficacy of olaparib as maintenance therapy.

## STUDY DESIGN



## METHODOLOGY

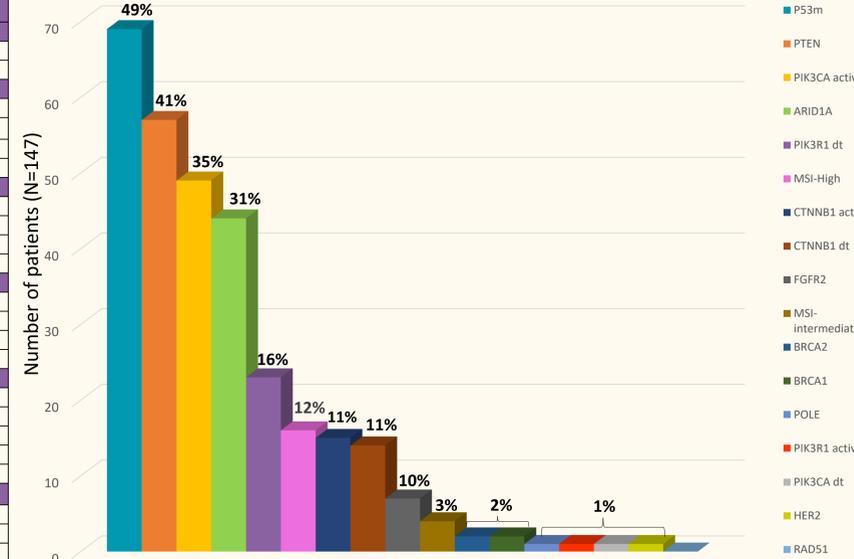
- 147 patients with objective response (OR) or stable disease (SD) after first line platinum chemotherapy were included.
- IHC (P53 and MMR) and NGS molecular status (including POLE, BRCA1/2 mutations, MSI sensor and genomic instability score [GIScar]) were obtained from archived tumor tissue.
- Molecular subgroups classification:



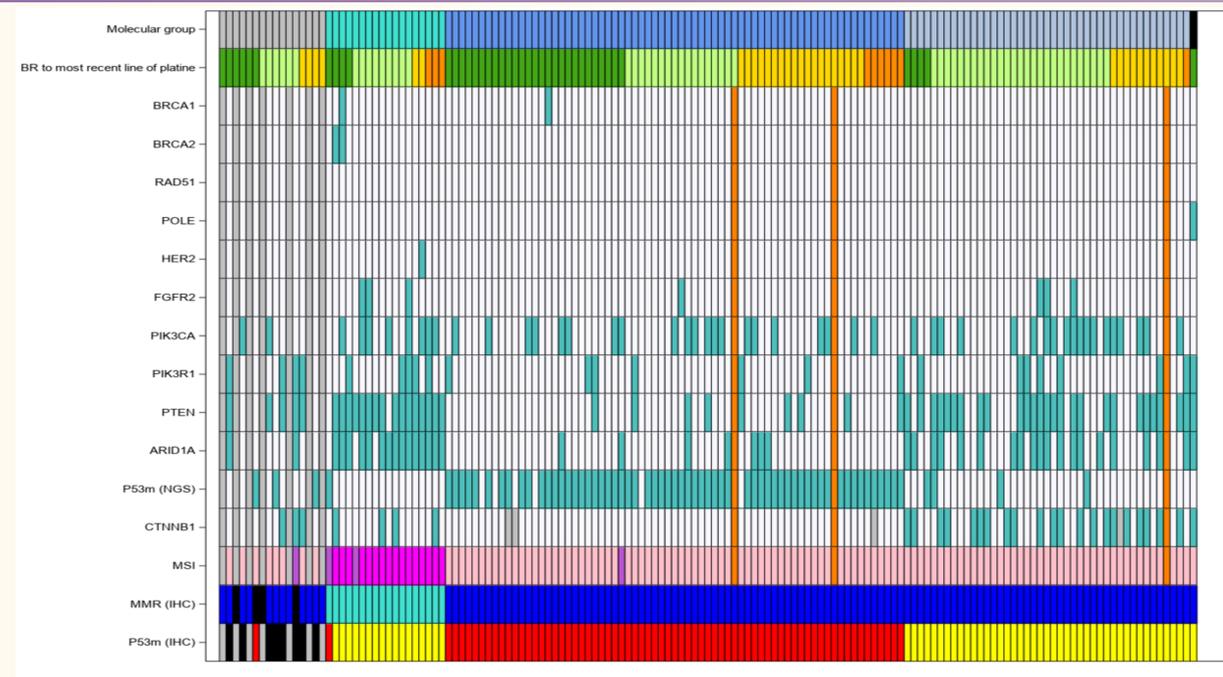
## PATIENTS CHARACTERISTICS

	dMMR N=18 (14%)	P53m N=69 (53%)	NSMP N=43 (33%)	POLE muté N=1	Total N=131 (100%)
<b>Age (years)</b>					
n	18	69	43	1	131
Mean (SD)	65.8 (10.3)	71.7 (7.9)	67.7 (8.9)	84.0 ( )	69.6 (8.9)
<b>Pathological type</b>					
n	18	69	43	1	131
Endometrioid	18 (100%)	38 (55.1%)	40 (93.0%)	1 (100%)	97 (74.0%)
Serous	0 (0.0%)	24 (34.8%)	2 (4.7%)	0 (0.0%)	26 (19.8%)
Others	0 (0.0%)	7 (10.1%)	3 (7.0%)	0 (0.0%)	8 (8.2%)
<b>OMS grade</b>					
n	18	69	43	1	131
Low grade (1 or 2)	11 (61.1%)	17 (24.6%)	33 (76.7%)	1 (100%)	62 (47.3%)
High grade (3)	7 (38.9%)	45 (65.2%)	9 (21.0%)	0 (0.0%)	61 (46.6%)
Unknown	0 (0.0%)	7 (10.2%)	1 (2.3%)	0 (0.0%)	8 (6.1%)
<b>Initial FIGO stage (%)</b>					
n	18	69	43	1	131
I/II	9 (50.0%)	20 (28.9%)	16 (37.2%)	1 (100%)	46 (35.1%)
III/IV	7 (38.8%)	41 (59.4%)	17 (39.5%)	0 (0.0%)	65 (49.6%)
Unknown	2 (11.1%)	8 (11.6%)	10 (23.3%)	0 (0.0%)	20 (15.3%)
<b>BR (%)</b>					
n	18	69	43	1	131
CR	4 (22.2%)	27 (39.1%)	4 (9.3%)	1 (100%)	36 (27.5%)
NED	3 (16.7%)	6 (8.7%)	1 (2.3%)	0 (0.0%)	10 (7.6%)
PR	9 (50.0%)	17 (24.6%)	27 (62.8%)	0 (0.0%)	53 (40.5%)
SD	2 (11.1%)	19 (27.5%)	11 (25.6%)	0 (0.0%)	32 (24.4%)
<b>Number of cycles</b>					
n	17	65	38	1	121
4 - 6	17 (100.0%)	63 (96.9%)	36 (94.7%)	0 (0.0%)	117 (96.7%)
6 - 8	0 (0.0%)	2 (3.1%)	2 (5.3%)	1 (100.0%)	4 (3.3%)
Missing data	1	4	5	0	10

## NGS RESULTS



## MOLECULAR CHARACTERISTICS



**BR to most recent line of platiné**

- CR
- PR
- SD
- NED

**Mutations**

- No mutation detected
- Mutation detected
- Not interpretable

**Microsatellites status**

- MSS
- MSI-intermediate
- MSI-High
- Not interpretable

**MMR (IHC)**

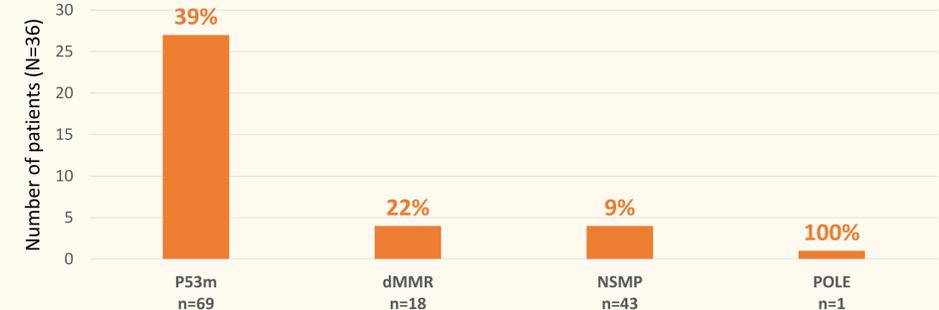
- Not informative
- dMMR
- pMMR

**P53 (IHC)**

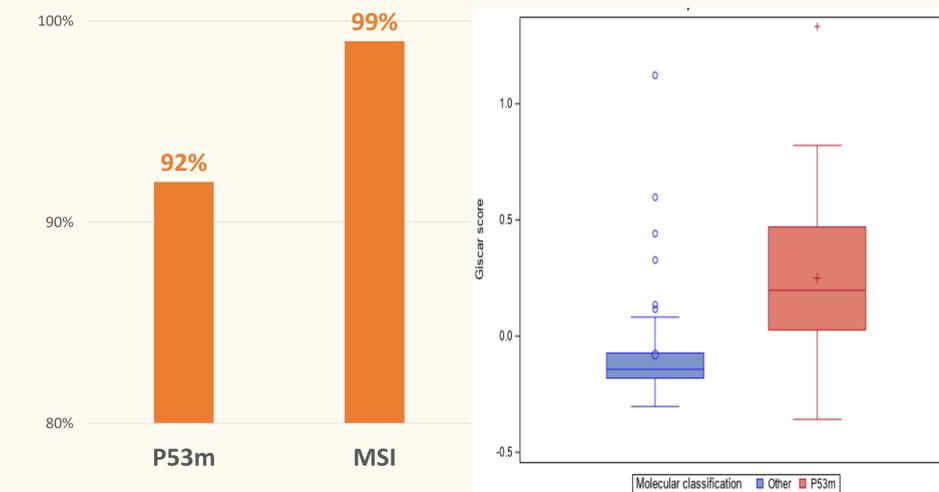
- Not informative
- Mutated
- Wild-type

## RESULTS

Complete response according to molecular subgroups:



High concordance between NGS/IHC for P53m and MSI status



## CONCLUSION

- More than half of UTOLA trial tumors are associated with poor prognosis molecular profiles.
- A high concordance of NGS MSI/P53 and IHC was observed.
- High platin sensitivity and genomic instability observed in P53m tumors reinforces the rational to evaluate olaparib in this population.

## ACKNOWLEDGMENTS

Thanks to all the patients and their families, investigators, pharmacists, CRA, pathologists, biologists, and all the study team and to Astra Zeneca for their financial support.