



LUNG CANCER **UPDATES**

ASCO HIGHLIGHTS

31 MAYO - 4 JUNIO 2019



Con la colaboración de:

 Bristol-Myers Squibb
 illumina®
 Lilly



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Iniciativa científica de:
GECP
lung cancer
research

Mantenimiento, tratamiento de KRAS+ e inhPARP

Dr. Javier Garde

Día 3

Con la colaboración de:



Bristol-Myers Squibb

illumina®

Lilly

ADENOCARCINOMA DE PULMÓN: MANTENIMIENTO

- ABSTRACT 9002: ECOG-ACRIN 5508 Beva vs Pem vs Beva+Pem
- ABSTRACT 9003: COMPASS Beva vs Beva + Pem

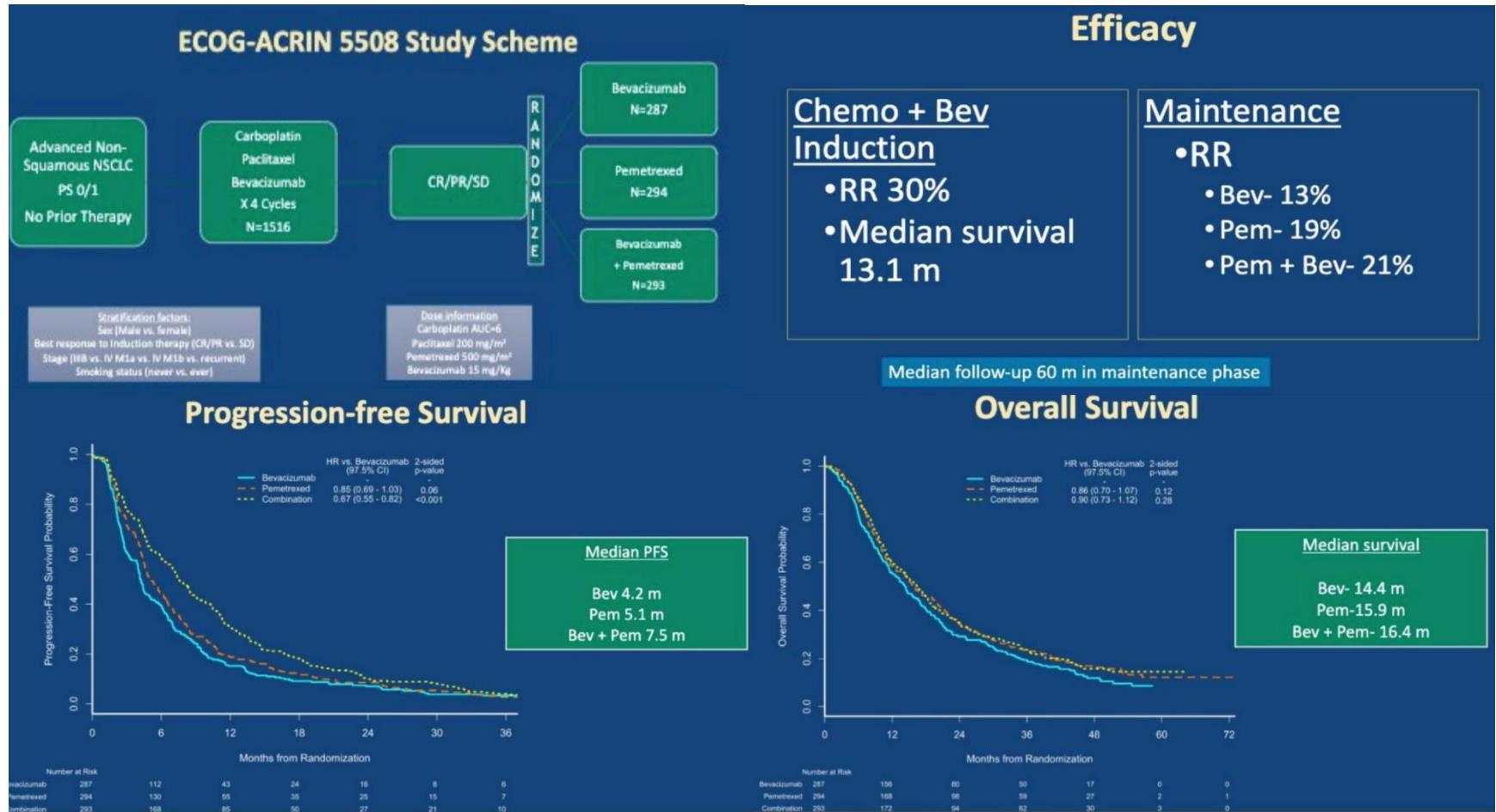
KRAS +

- ABSTRACT 9021: Docetaxel + Trametinib

HRRD +

- ABSTRACT 9022: Talazoparib

9002: ECOG-ACRIN 5508



Treatment-related Grades 3/4 Toxicity

Treatment Group	Grade 3/4 toxicity (%)		
	Bevacizumab	Pemetrexed	Bevacizumab + Pemetrexed
Anemia	2/0	7/0	6/<1*
Lymphopenia	1/0	4/1*	7/1*
Neutropenia	1/0	5/2*	8/3*
Leucopenia	0/0	4/1*	4/1*
Thrombocytopenia	0/0	2/1*	2/2*
Hyponatremia	2/0	2/0	4/<1
Fatigue	2/0	7/0*	8/0*
Proteinuria	4/0*	<1/0	3/0
Hypertension	16*	5/0	19/0
Worst degree	27/2	32/5	43/7*

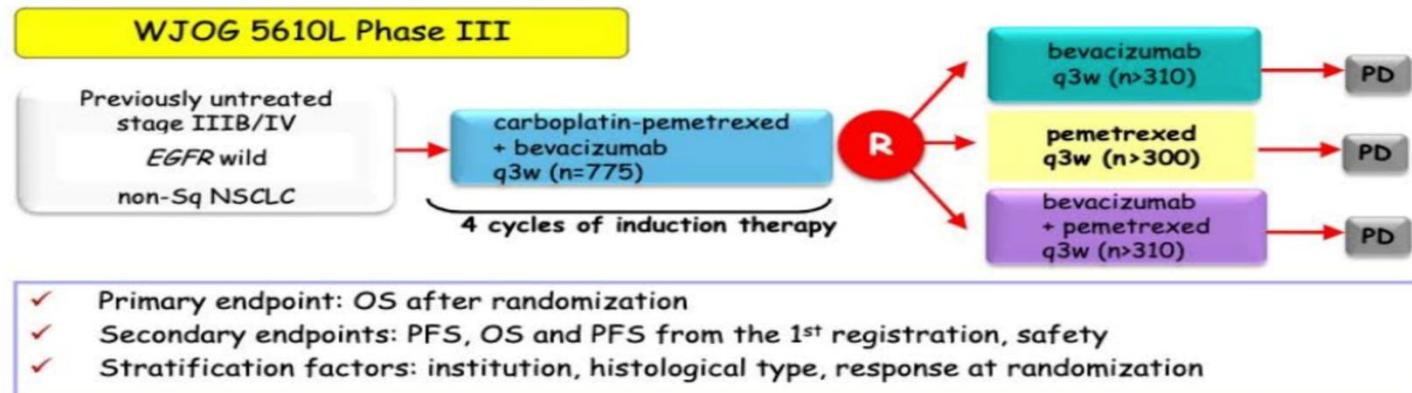
Includes treatment-related AE occurring in $\geq 4\%$ of patients

* Represents P value ≤ 0.02

9003 COMPASS: Beva vs Beva-Pemetrexed

Study design

COMPASS was designed in 2009



Toxicities grade 3 or greater

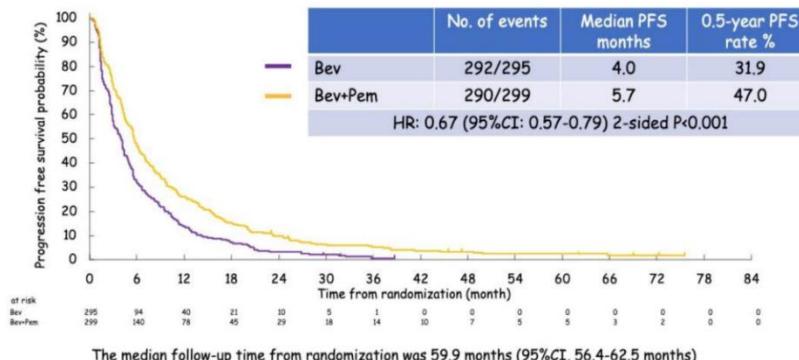


	Induction phase		Maintenance phase			
	Car+Pem+Bev n=895		Bev n=295	Bev+Pem n=299		
Anemia	172	19.2%	1	0.3%	14	4.7%
White blood cell count decreased	164	18.3%	0	0.0%	16	5.4%
Neutrophil count decreased	379	42.3%	3	1.0%	42	14.0%
Platelet count decreased	277	30.9%	1	0.3%	3	1.0%
Hypertension	111	12.4%	49	16.6%	35	11.7%
Anorexia	69	7.7%	1	0.3%	7	2.3%

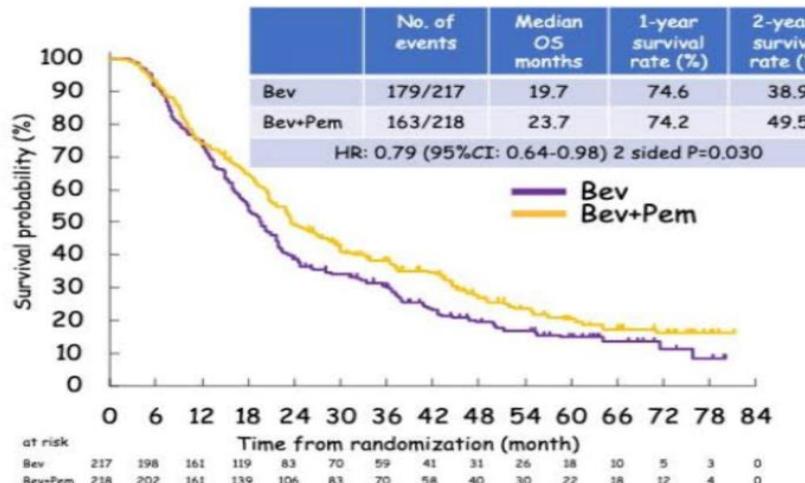
Takashi S, et al. A randomized phase III study of continuous maintenance bevacizumab with or without pemetrexed after induction therapy with carboplatin, pemetrexed, and bevacizumab for advanced non-squamous non-small cell lung cancer without sensitizing EGFR mutations: the COMPASS study

9003 COMPASS: Beva vs Beva-Pemetrexed

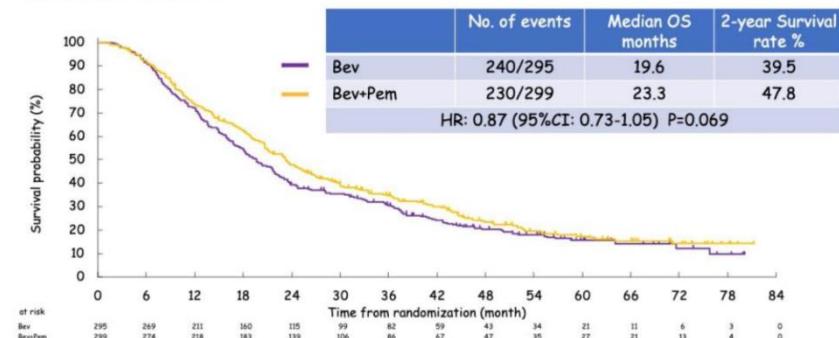
Progression-free survival after randomization



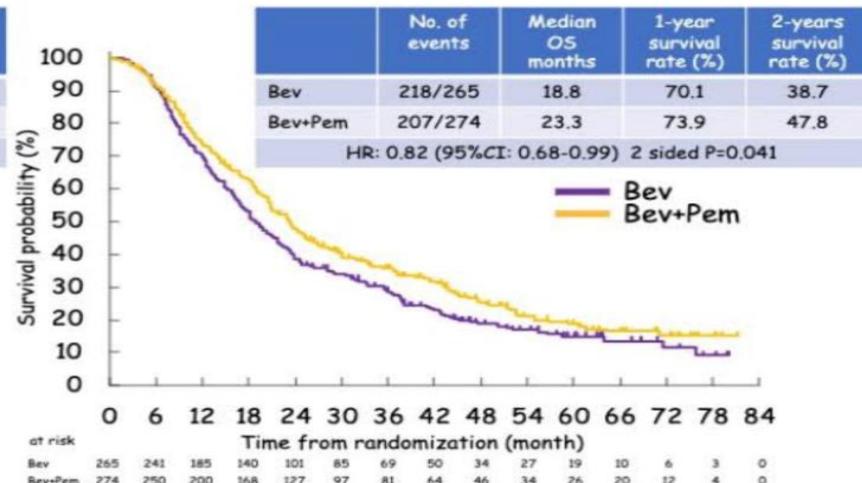
● <70 years old



Overall survival from randomization :Primary endpoint

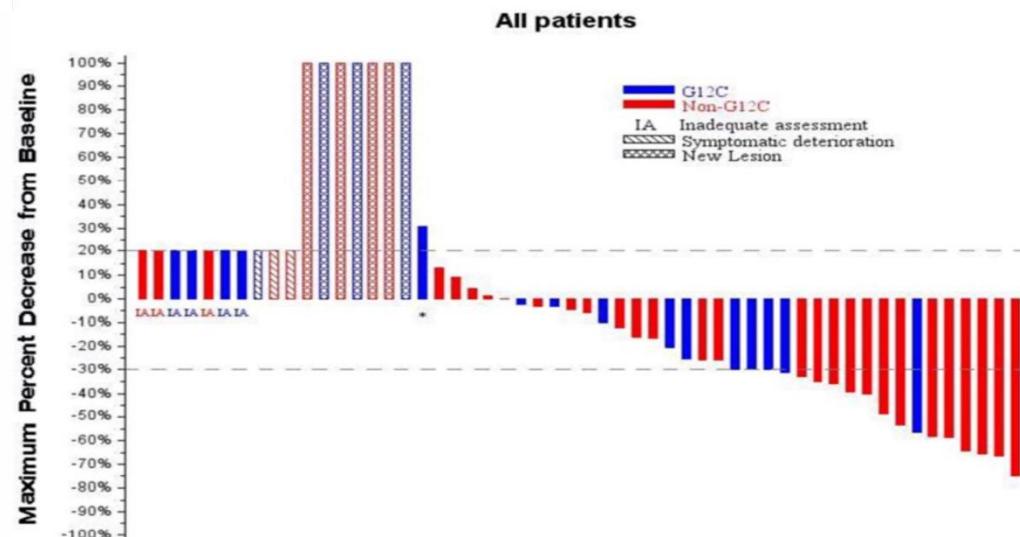
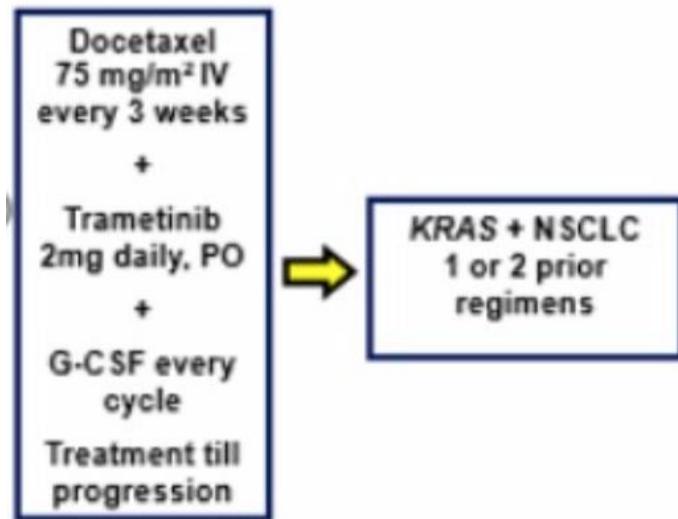


● wild-type EGFR



Takashi S, et al. A randomized phase III study of continuous maintenance bevacizumab with or without pemetrexed after induction therapy with carboplatin, pemetrexed, and bevacizumab for advanced non-squamous non-small cell lung cancer without sensitizing EGFR mutations: the COMPASS study

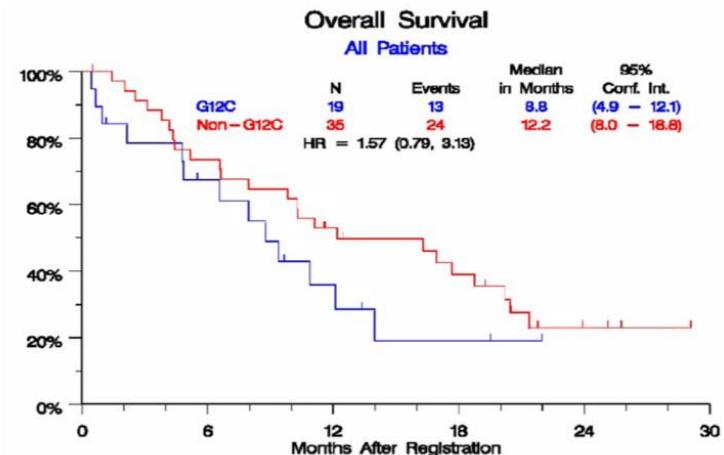
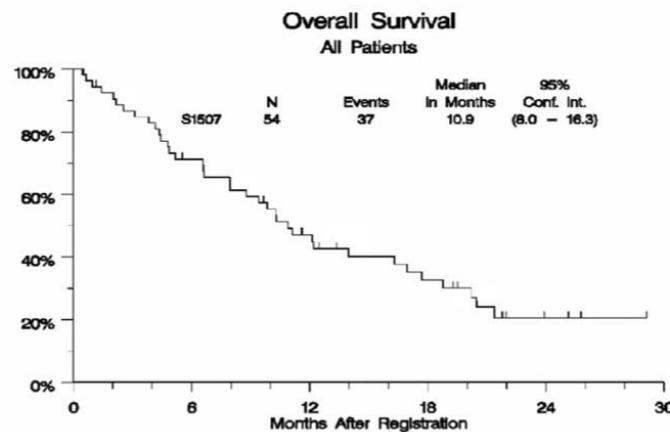
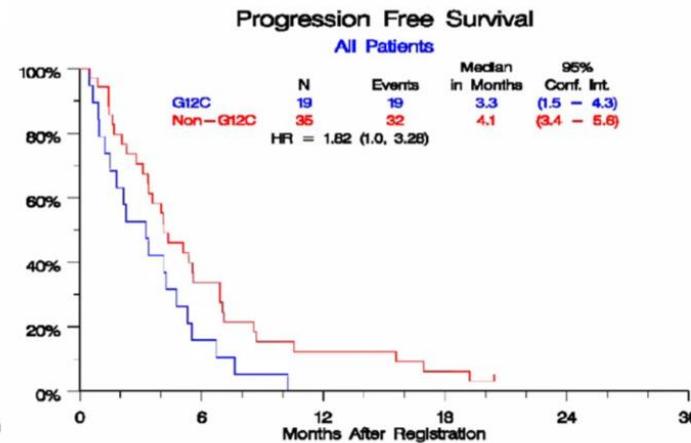
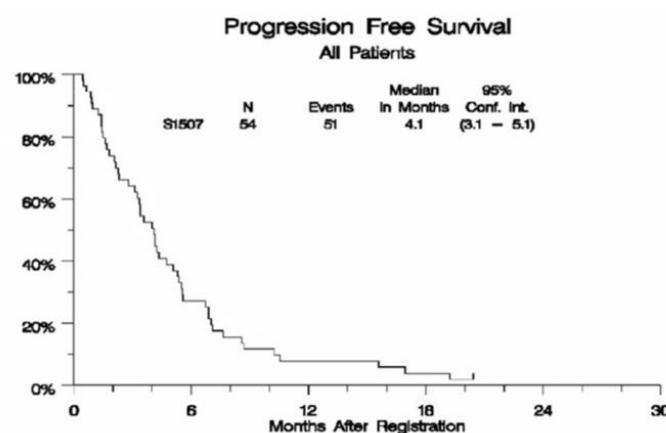
9021: KRAS+ Docetaxel + Trametinib



	All	G12C	Non-G12C
Response	33% (95% CI: 21%-47%)	26% (95% CI: 9%-51%)	37% (95% CI: 21%-55%)
PFS (median in months)	4.1 (95% CI- 3.1- 5.1)	3.3 (95% CI: 1.5-4.3)	4.1 (95% CI: 3.4- 5.6)
OS (median in months)	11.1 (95% CI- 8- 17)	8.8 (95% CI: 4.9-12.1)	16.3 (95% CI: 9.9-17.7)

ABSTRACT 9021, Shirish et al, S1507: Phase II study of docetaxel and trametinib in patients with G12C or non-G12C KRAS mutation positive (+) recurrent non-small cell lung cancer (NSCLC)

9021: KRAS+ Docetaxel + Trametinib



ABSTRACT 9021, Shirish et al, S1507: Phase II study of docetaxel and trametinib in patients with G12C or non-G12C KRAS mutation positive (+) recurrent non-small cell lung cancer (NSCLC)

AMG 510: NSCLC KRAS 12C+

Phase 1 Study Evaluating the Safety, Tolerability, Pharmacokinetics (PK) and Efficacy of AMG 510, a Novel Small Molecule KRAS^{G12C} Inhibitor, in Advanced Solid Tumors

Marwan G Fakih, MD;¹ Bert Howard O'Neil, MD;² Timothy J Price, MBBS, FRACP;³
Gerald S Falchook, MD;⁵ Jayesh Desai, MBBS, FRACP;⁶ James Kuo, MBBS, FRACP;⁷
Ramaswamy Govindan, MD;⁸ Erik Rasmussen, MS;⁴ Phuong Khanh Morrow, MD;⁴
Jude Ngang, PharmD;⁴ Haby Henary, MD;⁴ David Hong, MD⁹

AMG 510 First in Human Study Design

This is a multicenter, open-label, phase 1, first in human study (NCT 03600883) in adult patients with locally advanced or metastatic KRAS^{G12C} mutant solid tumors

Key Eligibility Criteria

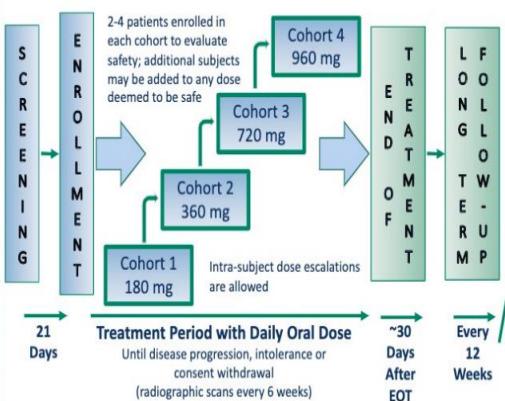
- Documented locally-advanced or metastatic KRAS^{G12C} measurable or evaluable solid tumors
- Received prior standard therapy appropriate for tumor type and stage of disease
- No active brain metastases

Primary Endpoints

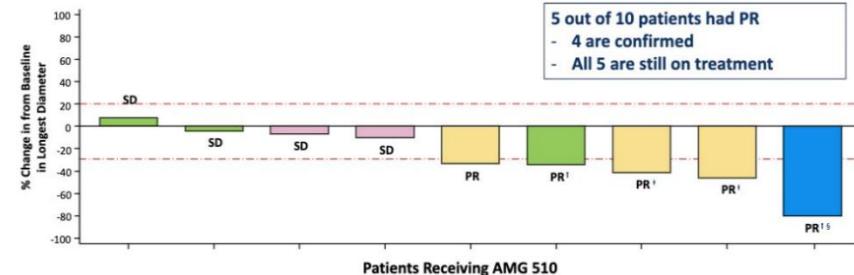
- Safety and tolerability including the incidence of AEs and DLTs

Key Secondary Endpoints

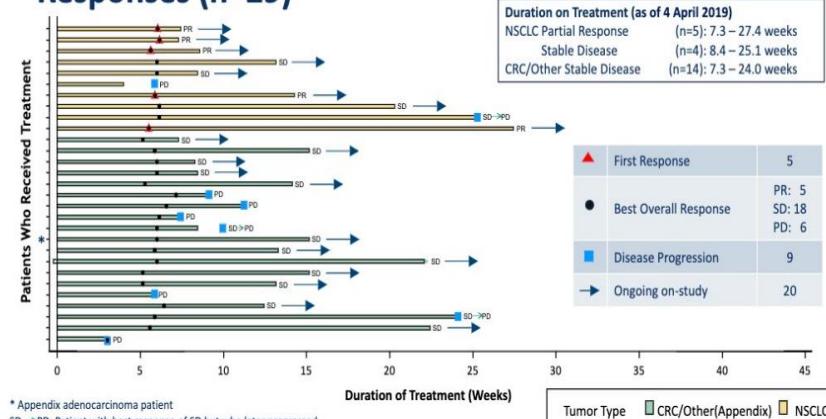
- PK, best response
- Objective response rate, duration of response and duration of stable disease and PFS



NSCLC: Best Tumor Response* (n=10)



Duration of Treatment by Tumor Types and Responses (n=29)

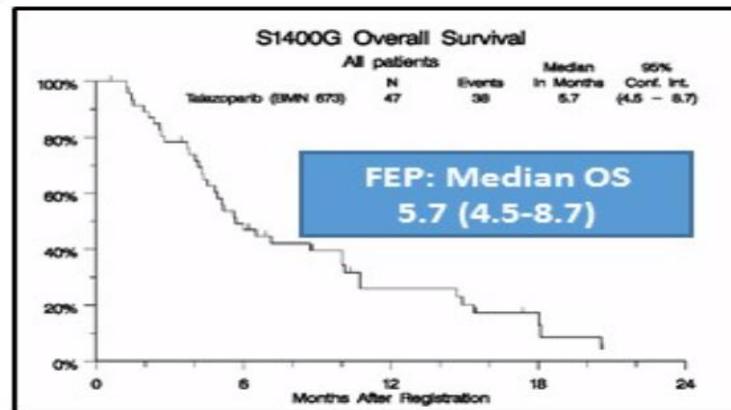
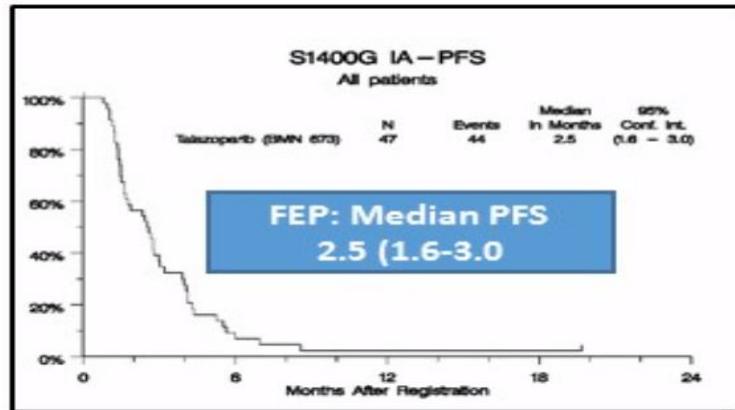


9022 Talazoparib en Ca Epidermoide HRRD+

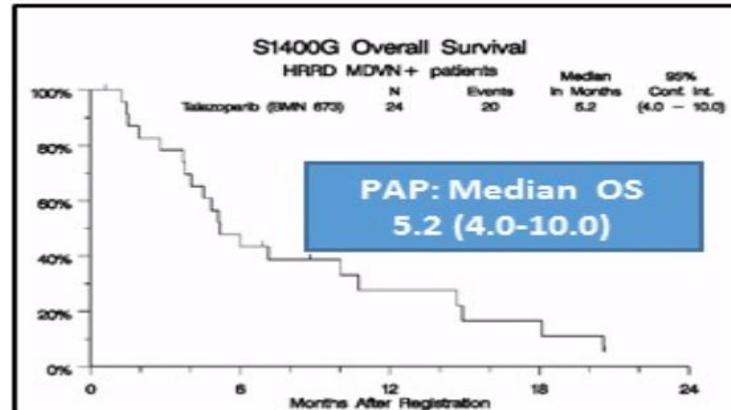
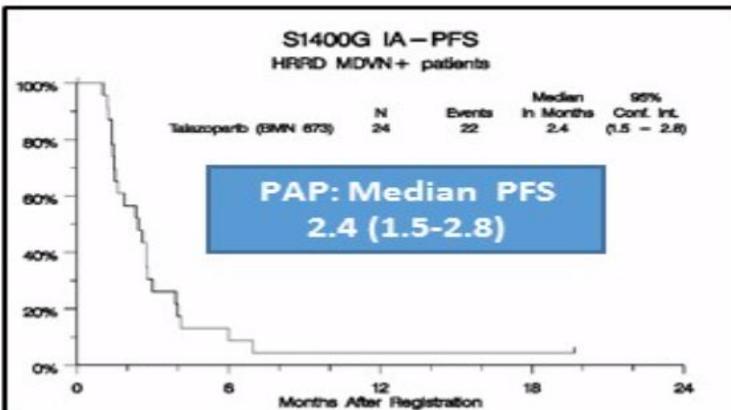
Patients Characteristics	
Demographics	
Age (median)	66.7 (37.5-82.1)
Male/Female	39/8 (83%/17%)
Black/White	7/40 (15%/85%)
# of prior lines	
0	11 (23%)
1	13 (28%)
≥2	23 (49%)
PS 0/1	10/37 (21%/79%)
Efficacy by Biomarker Subgroup	
FEP:N=47	
ORR	5 (11%; 95%CI: 4-23)
DCR	24 (51%; 95%CI: 36-66)
PAP: N=24 (51%)	
ORR	1 (4%; 95%CI: 0-21)
DCR	13 (54%; 95%CI: 33-74)

Frequency of HRRD gene mutations		
FANCM***	7	15%
FANCD2	1	2%
FANCF	2	4%
FANCA	4	9%
BRCA1	6	13%
BRCA2*	9	19%
BRIP1	2	4%
ATM	3	6%
ATR	4	9%
PALB2	3	6%
CHEK1*	3	6%
CHEK2	2	4%
RPA1	1	2%
NBN	2	4%
>1 mutation	2	4%
(* denotes patients with objective response)		

9022 Talazoparib en Ca Epidermoide HRRD+



Full Evaluable Population (FEP) with mutation in any study-defined HRRD genes



Primary Analysis Population (PAP) with mutation in *ATM*,
ATR, *BRCA1*, *BRCA2*, *PALB2* genes