

XXIV

SIMPOSIO DE REVISIONES EN CÁNCER

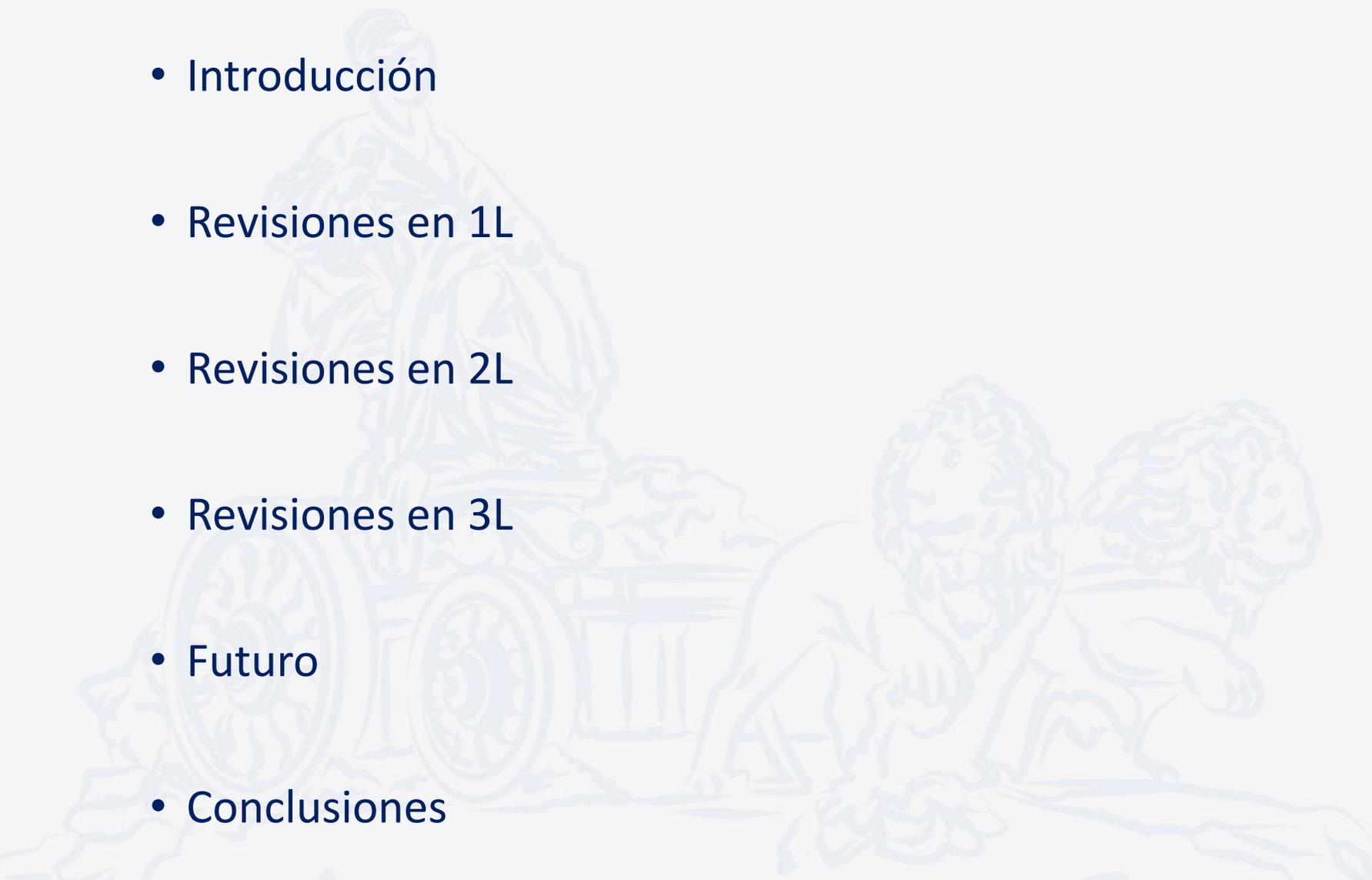
“Tratamiento médico del cáncer en el año 2022”

Tratamiento del Cáncer Gástrico con **Antiangiogénicos**

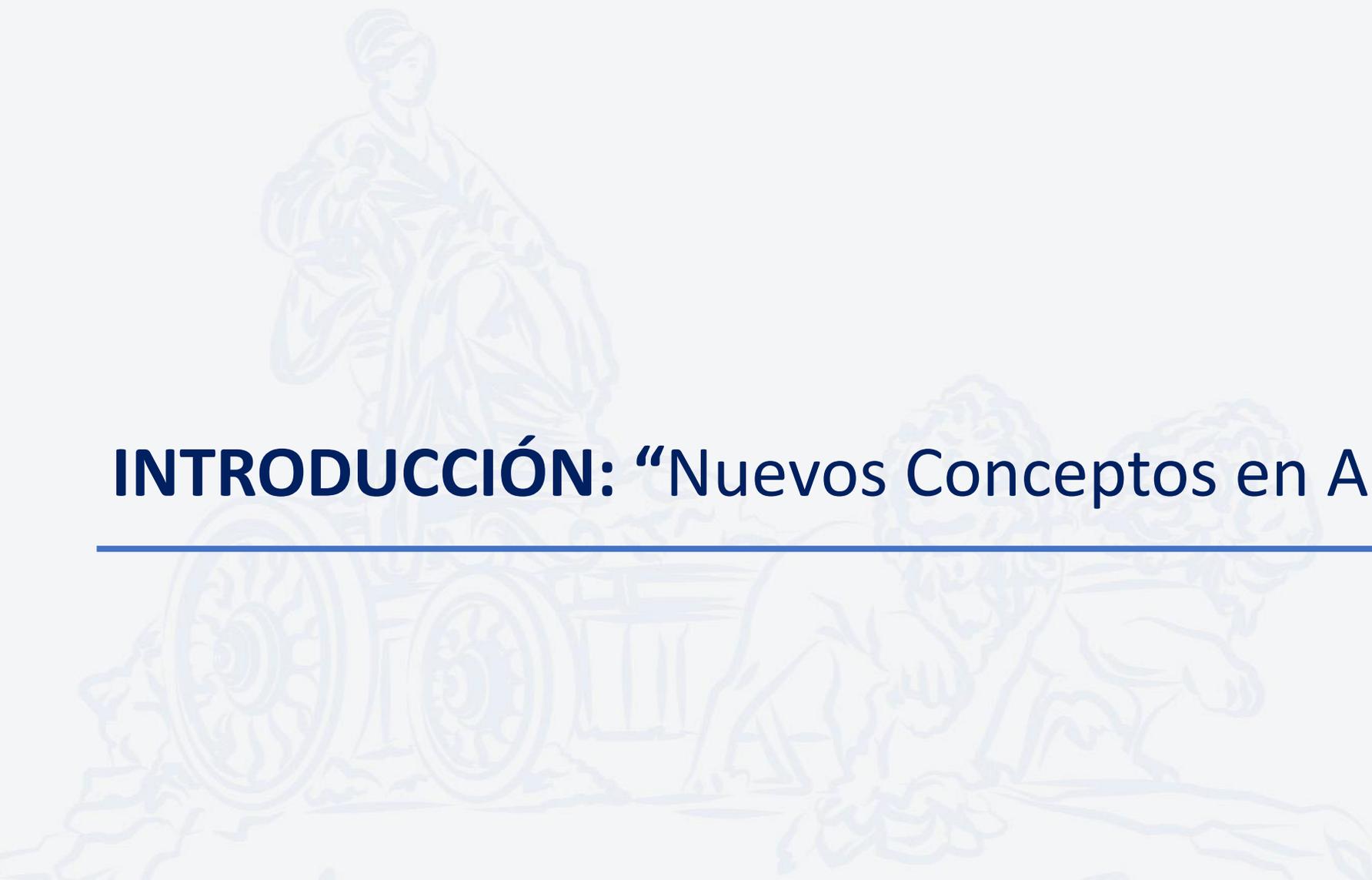
Ana Fernández Montes
Complejo Hospitalario Universitario de Ourense



- Employment: Complejo Hospitalario Universitario Ourense
- Consultant or Advisory Role: BMS, Amgen, MSD, Eisai, Sanofi, Servier, Roche, Bayer, Lilly
- Speaking: Amgen, Servier, AstraZeneca, Lilly, Eisai, Sanofi, Bayer, Seagen

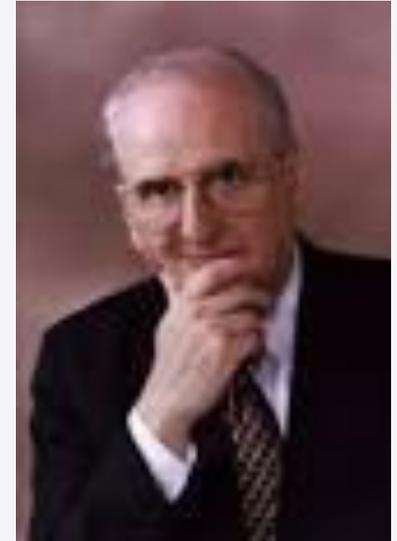
- Introducción
 - Revisiones en 1L
 - Revisiones en 2L
 - Revisiones en 3L
 - Futuro
 - Conclusiones
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INTRODUCCIÓN: “Nuevos Conceptos en Angiogénesis”

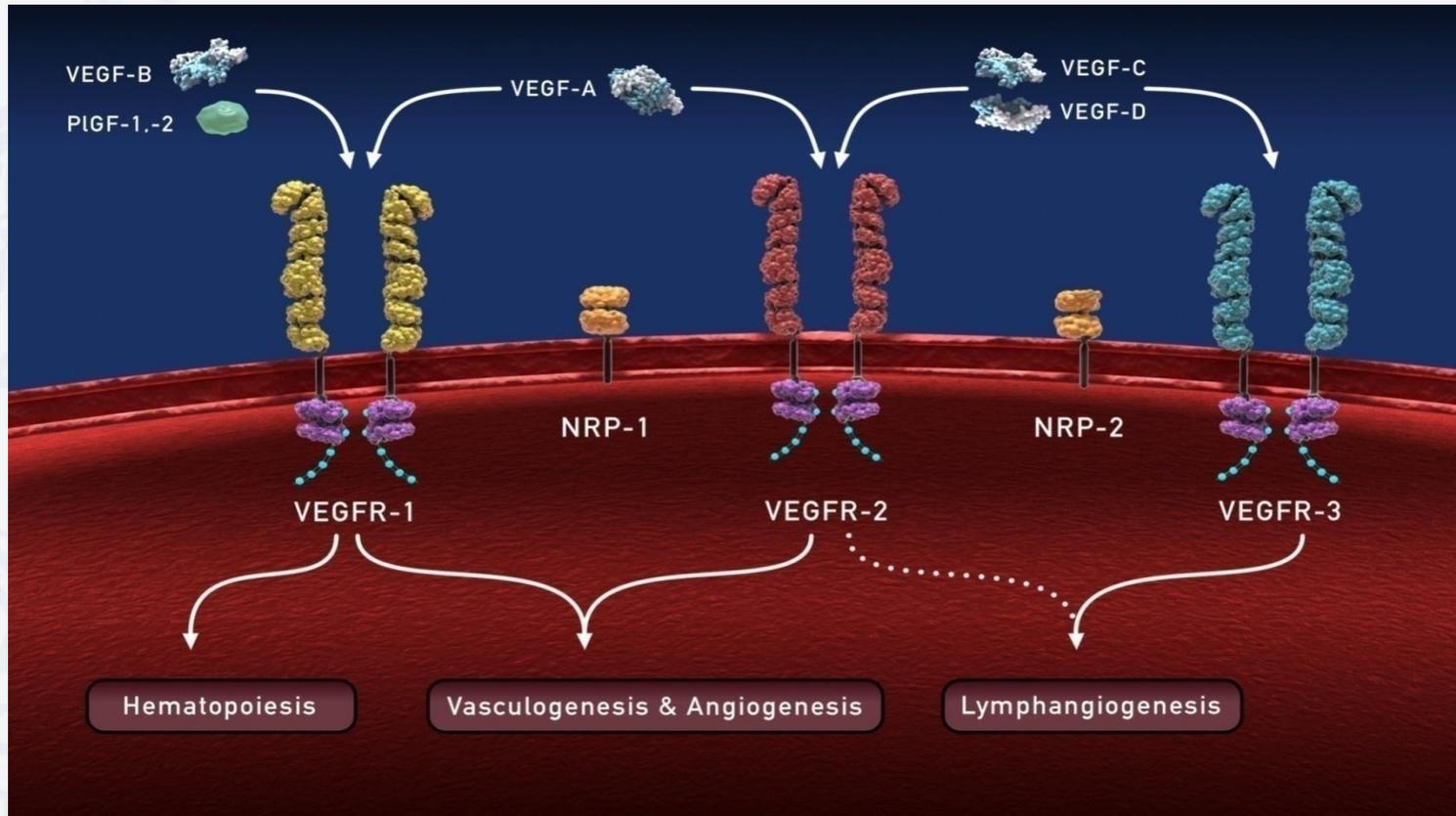


1. Angiogénesis diferente de vasculogénesis (descrita ya en 1971) y es el mecanismo por el que crecen los tumores

‘En ausencia de vascularización, los tumores sólidos permanecen latentes y de un tamaño de 2–3mm³, estando su tamaño limitado por la capacidad del oxígeno y los nutrientes para difundirse en el interior del tumor’



2. Los "actores principales" son VEGF y VEGFR

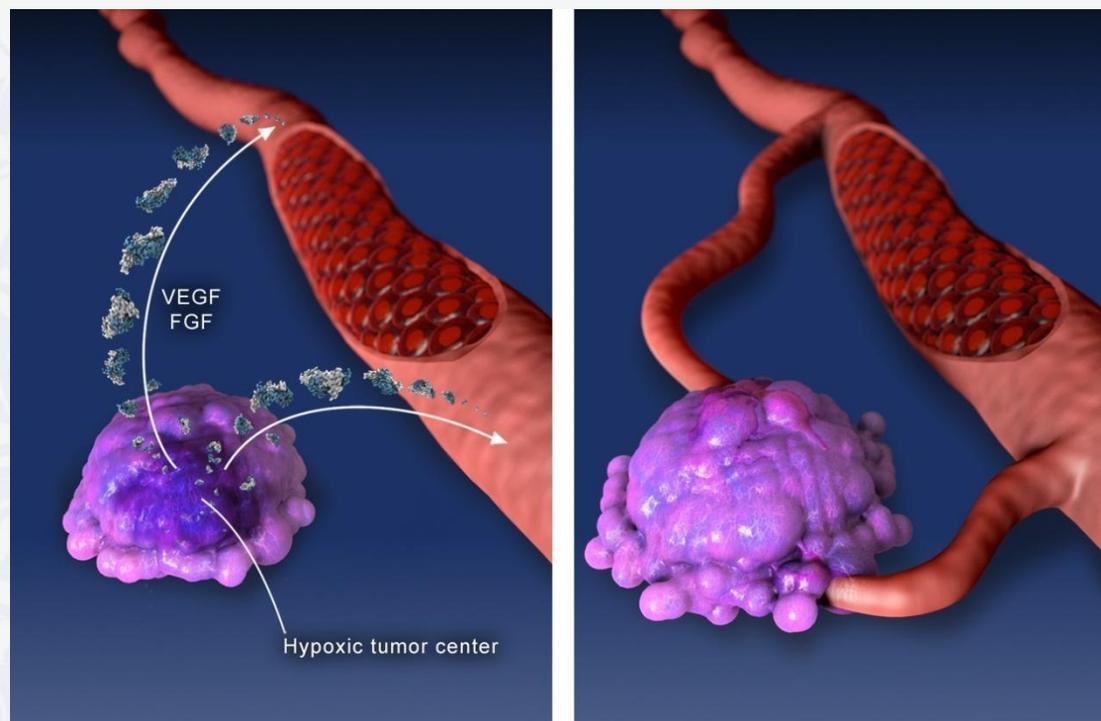


Cada inhibidor actúa en una diana diferente

1. Revisado en Adams and Alitalo. *Nat Rev Mol Cell Biol* 2007;8(6):464-78.
2. Reviewed in Hicklin and Ellis. *J Clin Oncol* 2005;23(5):1011-27.

3. La Hipoxia tumoral es el principal estímulo para la secreción de VEGF

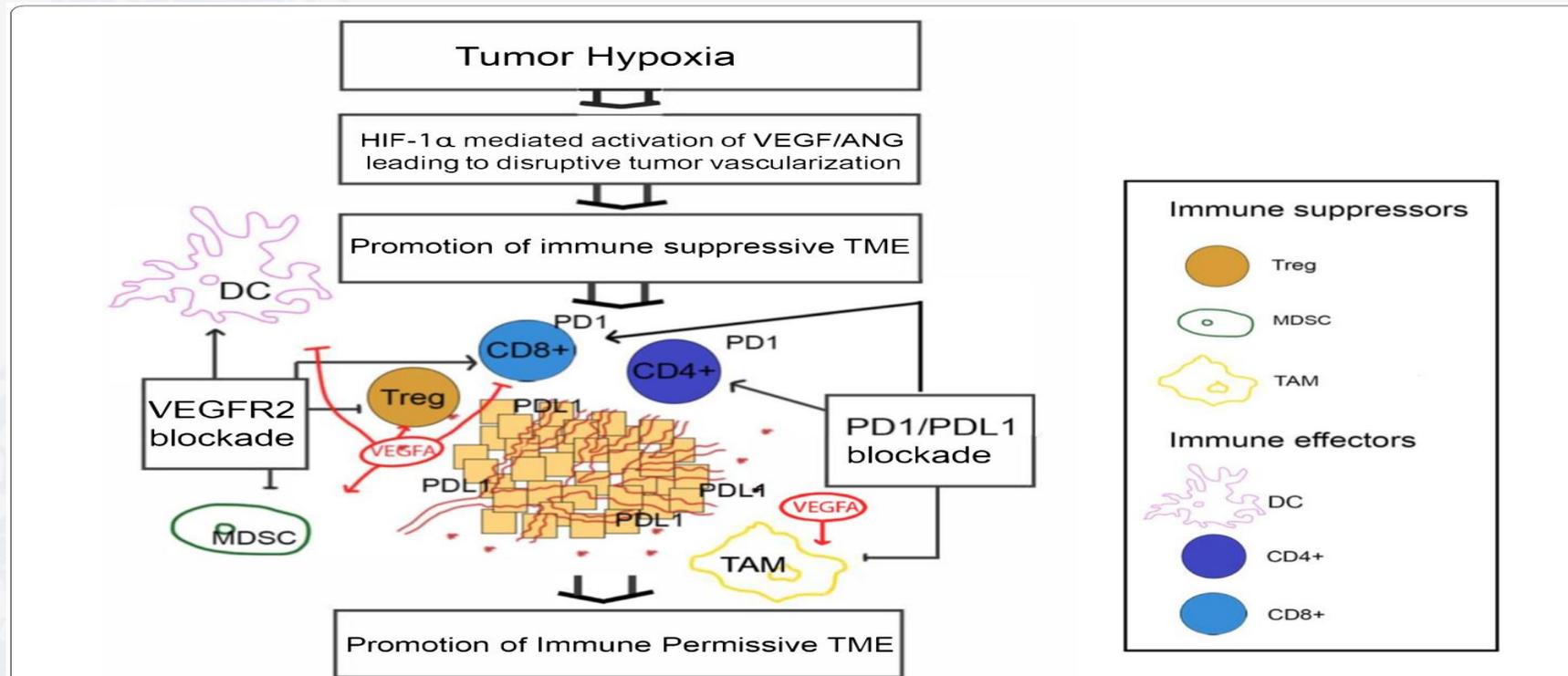
Un exceso de VEGF inicia el proceso angiogénico tumoral



1. Revisado en Adams and Alitalo. *Nat Rev Mol Cell Biol* 2007;8(6):464-78.
2. Reviewed in Hicklin and Ellis. *J Clin Oncol* 2005;23(5):1011-27.

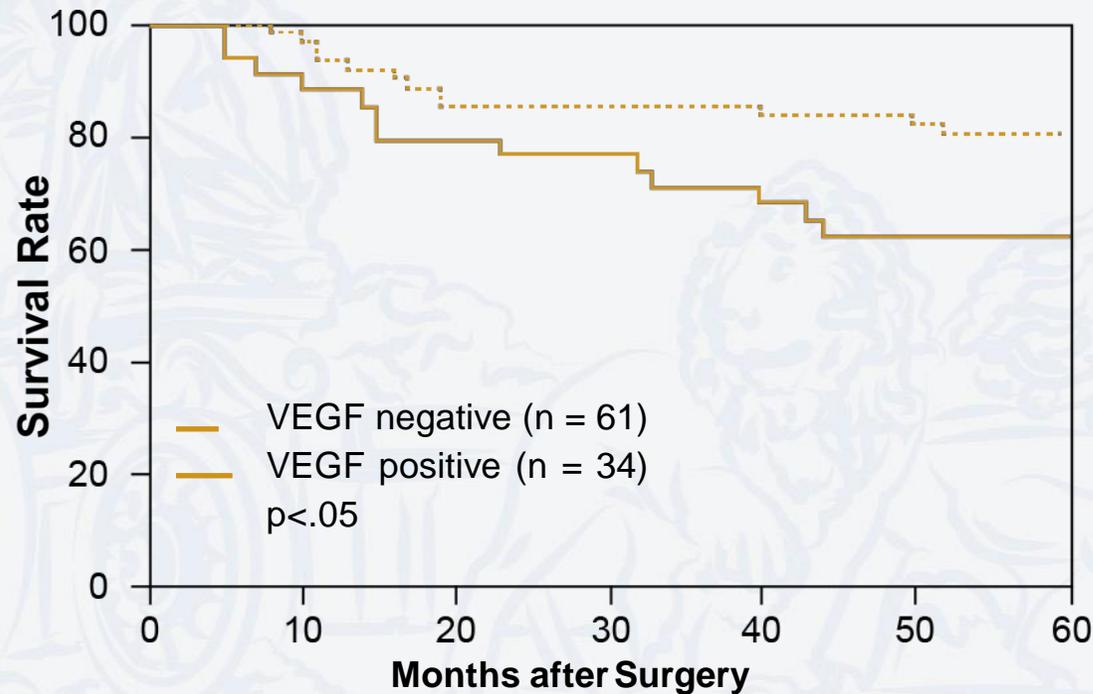
4. La Hipoxia tumoral conduce a un microambiente (TME) "inmunosupresor"

- Con la secreción de VEGFA se inhibe la función de CD8+, maduración células dendríticas
- Establece potencial sinergia entre anti PD-1/PD-L1 y antiangiogénicos

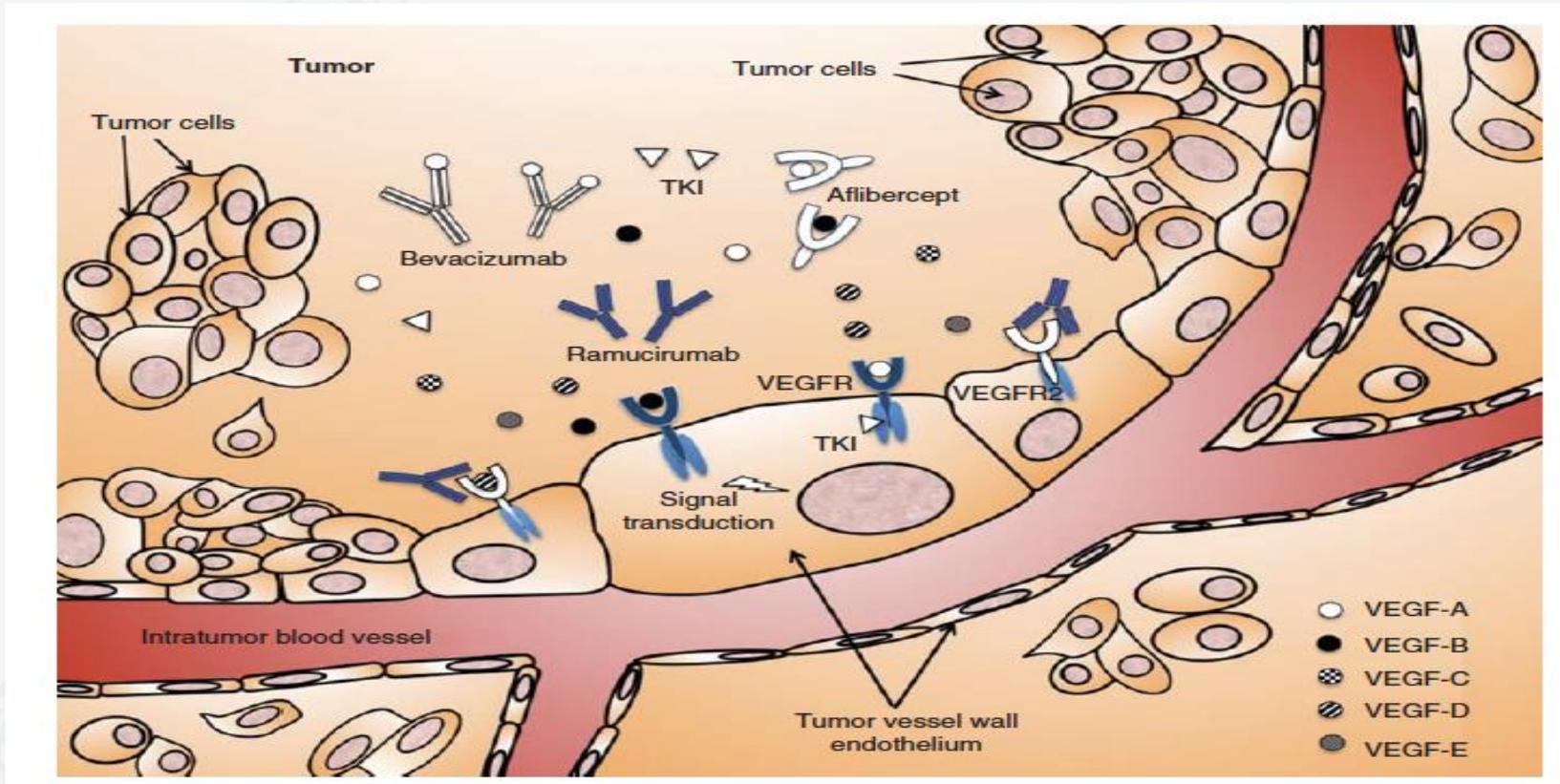


5. La sobreexpresión de VEGF se correlaciona con mayor agresividad y peor pronóstico en Adenocarcinomas gástricos y de la UEG

Tasa de supervivencia en el cáncer de estómago después de una resección potencialmente curativa (por la expresión tumoral del VEGF [inmunohistoquímica])



6. Sabemos que los diferentes antiangiogénicos (TKIs o anticuerpos) tienen diferentes mecanismos de acción



Fase III

- Bevacizumab
- Ramucirumab
- Apatinib

PRIMERA LÍNEA: Una historia de fracasos...



1. Bevacizumab (AntiVEGF - A) no impacta en SG (Fase III AVAGAST; n: 774; 19% Panamericanos)

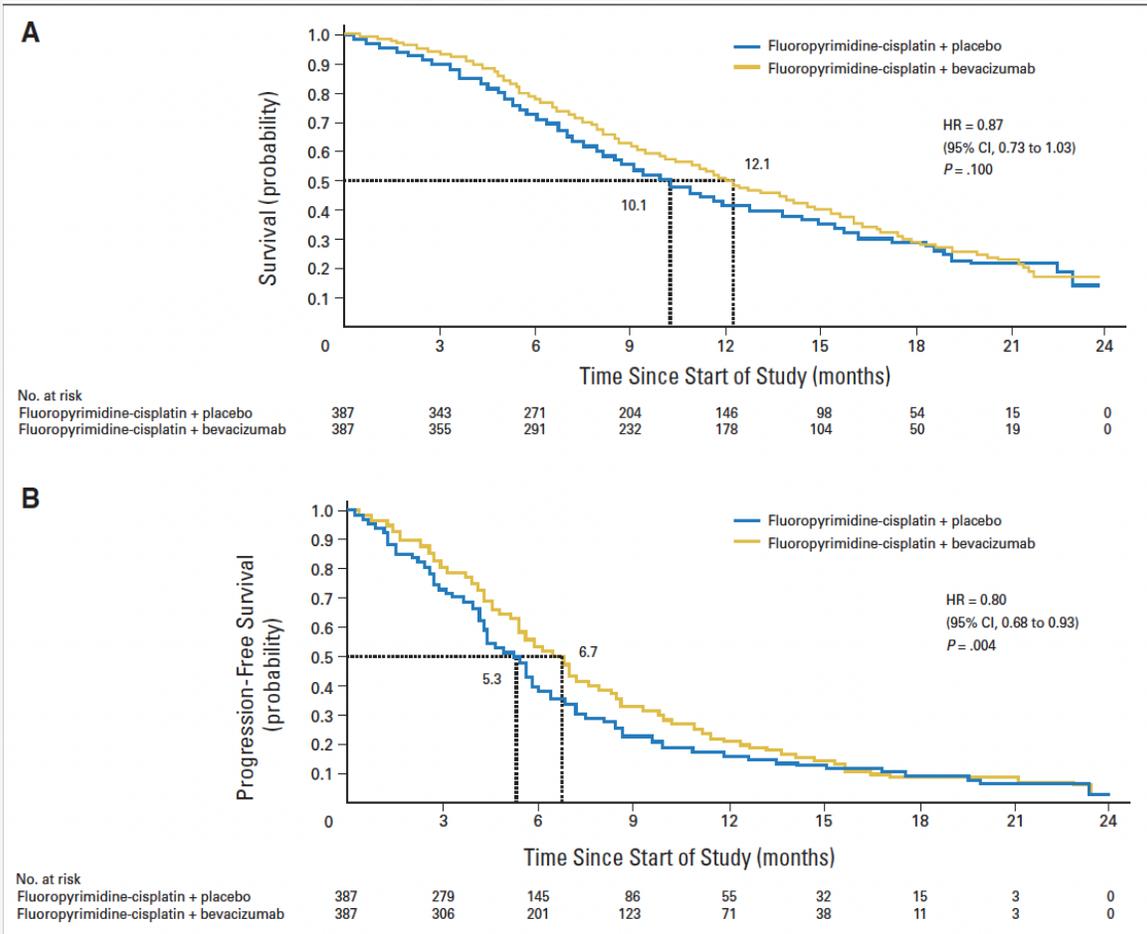
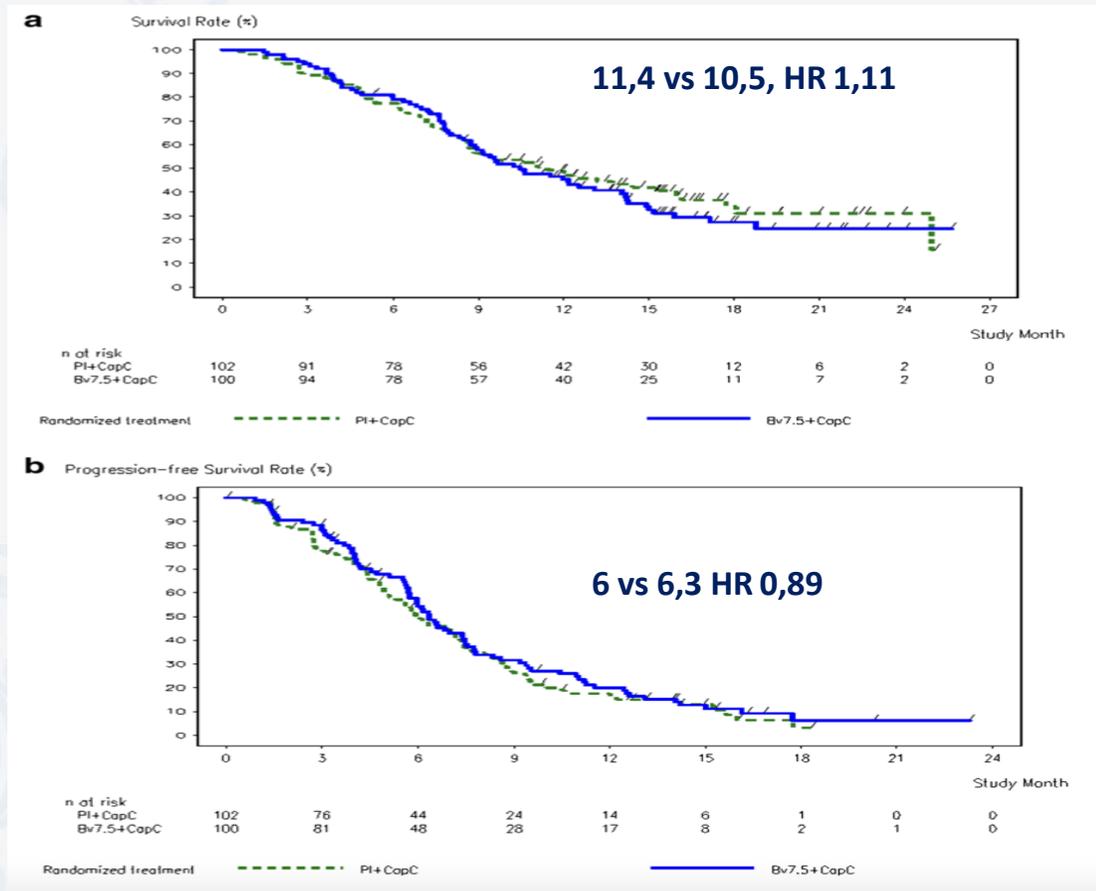


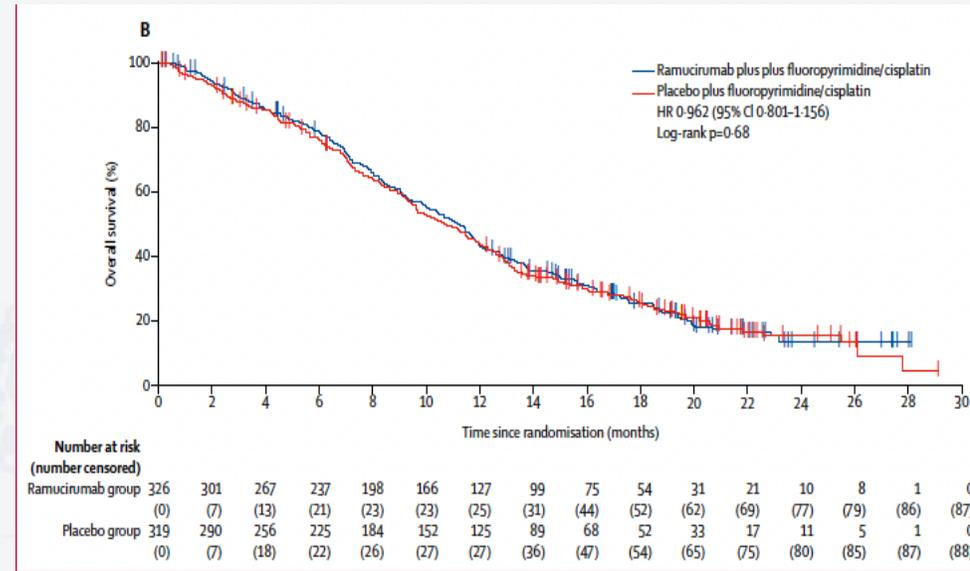
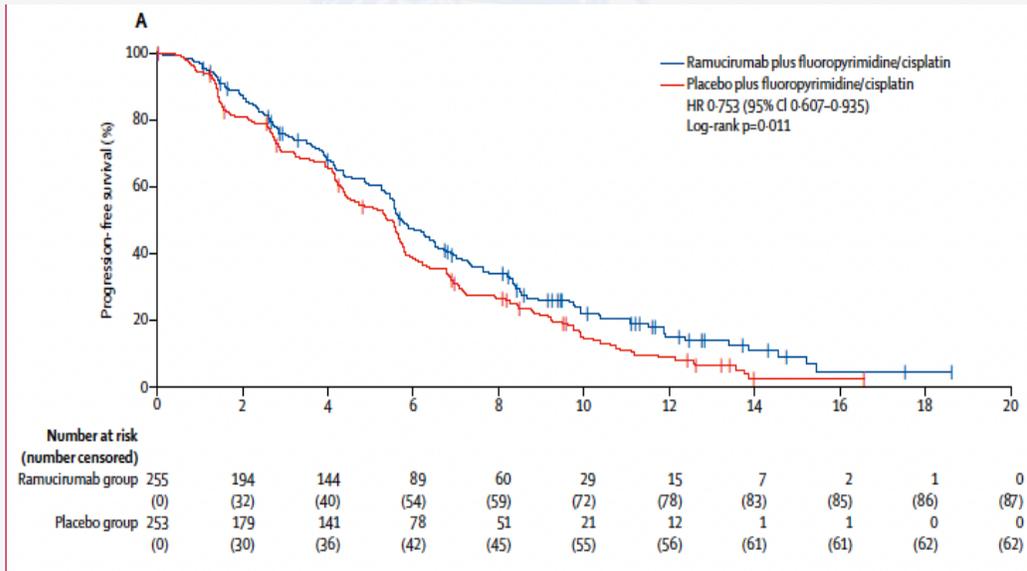
Table 4. Baseline Characteristics and Efficacy by Region (intention-to-treat population)

Efficacy	Asia		Europe				Pan-America					
	Fluoropyrimidine-Cisplatin +		Fluoropyrimidine-Cisplatin +		Fluoropyrimidine-Cisplatin +		Fluoropyrimidine-Cisplatin +					
	Bevacizumab (n = 188)	Placebo (n = 188)	Bevacizumab (n = 125)	Placebo (n = 124)	Bevacizumab (n = 74)	Placebo (n = 75)	Bevacizumab (n = 74)	Placebo (n = 75)				
Median overall survival, months	13.9	12.1	0.97	0.75 to 1.25	11.1	8.6	0.85	0.63 to 1.14	11.5	6.8	0.63	0.43 to 0.94
Median progression-free survival, months	6.7	5.6	0.92	0.74 to 1.14	6.9	4.4	0.71	0.54 to 0.93	5.9	4.4	0.65	0.46 to 0.93
Response rate	142	132			109	110			60	55		
Overall response rate	47.9	45.5	1.10	0.69 to 1.77	41.3	28.2	1.79	1.02 to 3.15	50.0	36.4	1.75	0.83 to 3.69

1. Bevacizumab (AntiVEGF - A) no impacta en SG (Fase III AVATAR, China; n:202)

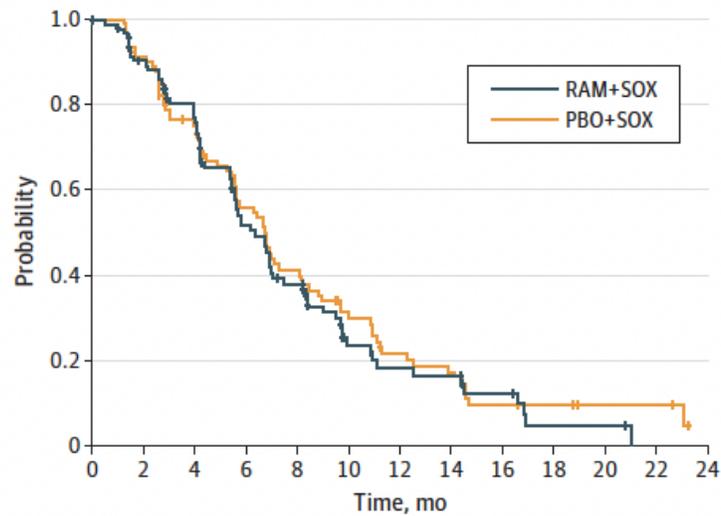


2. Ramucirumab (AntiVEGFR - 2) no impacta en SG (Fase III RAINFALL, n:645)



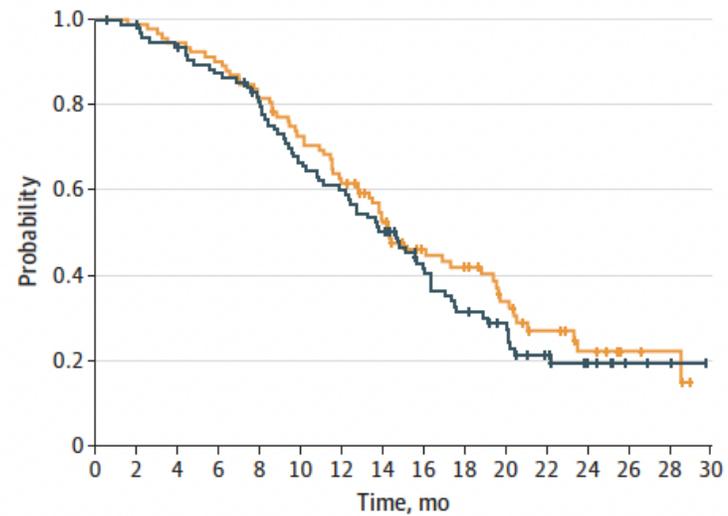
2. Ramucirumab (AntiVEGFR - 2) no impacta en SG (Fase II RAINSTORM, China, n:189)

A Progression-free survival



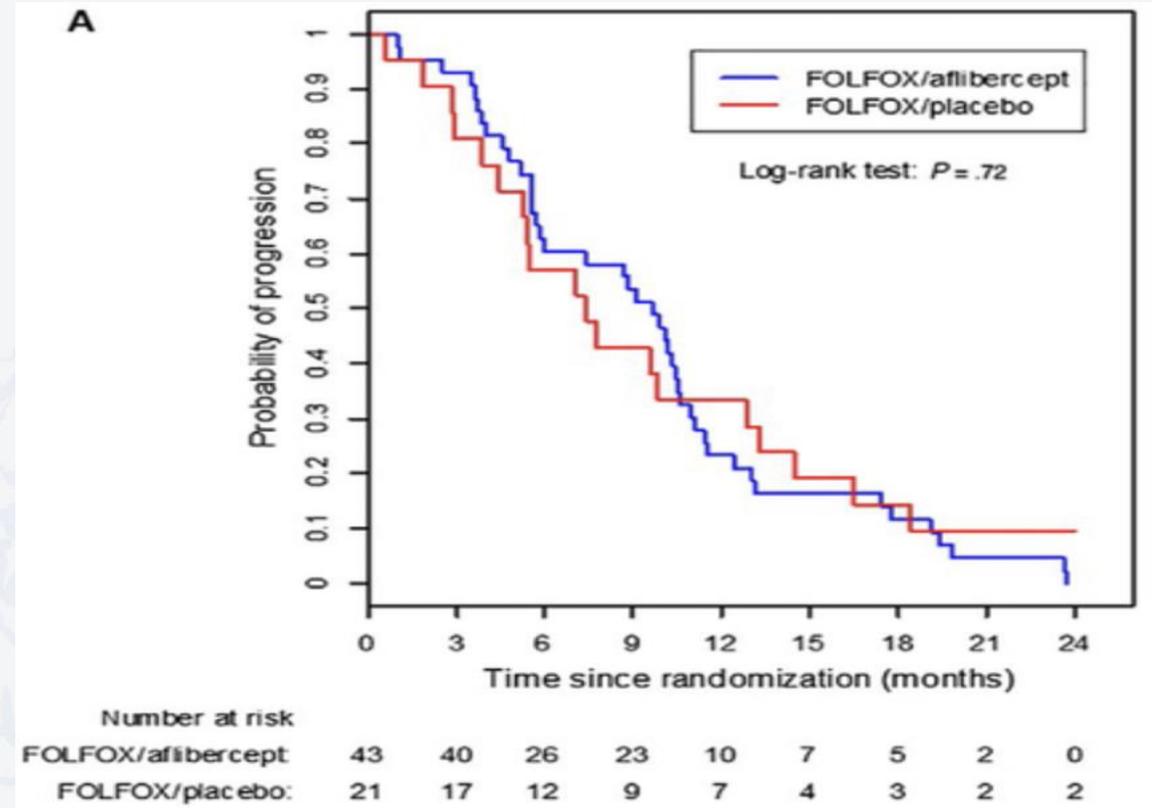
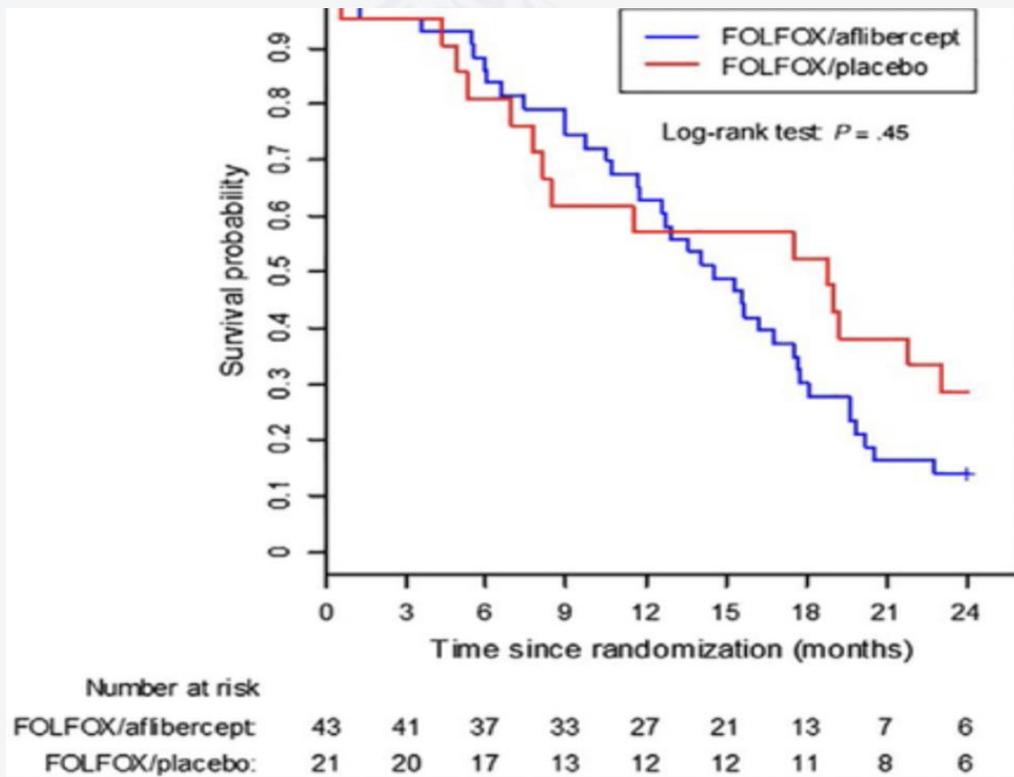
No. at risk	0	2	4	6	8	10	12	14	16	18	20	22	24
RAM+SOX	96	82	67	42	30	14	10	9	6	2	2	0	0
PBO+SOX	93	81	64	46	34	22	15	12	6	5	3	3	0

B Overall survival

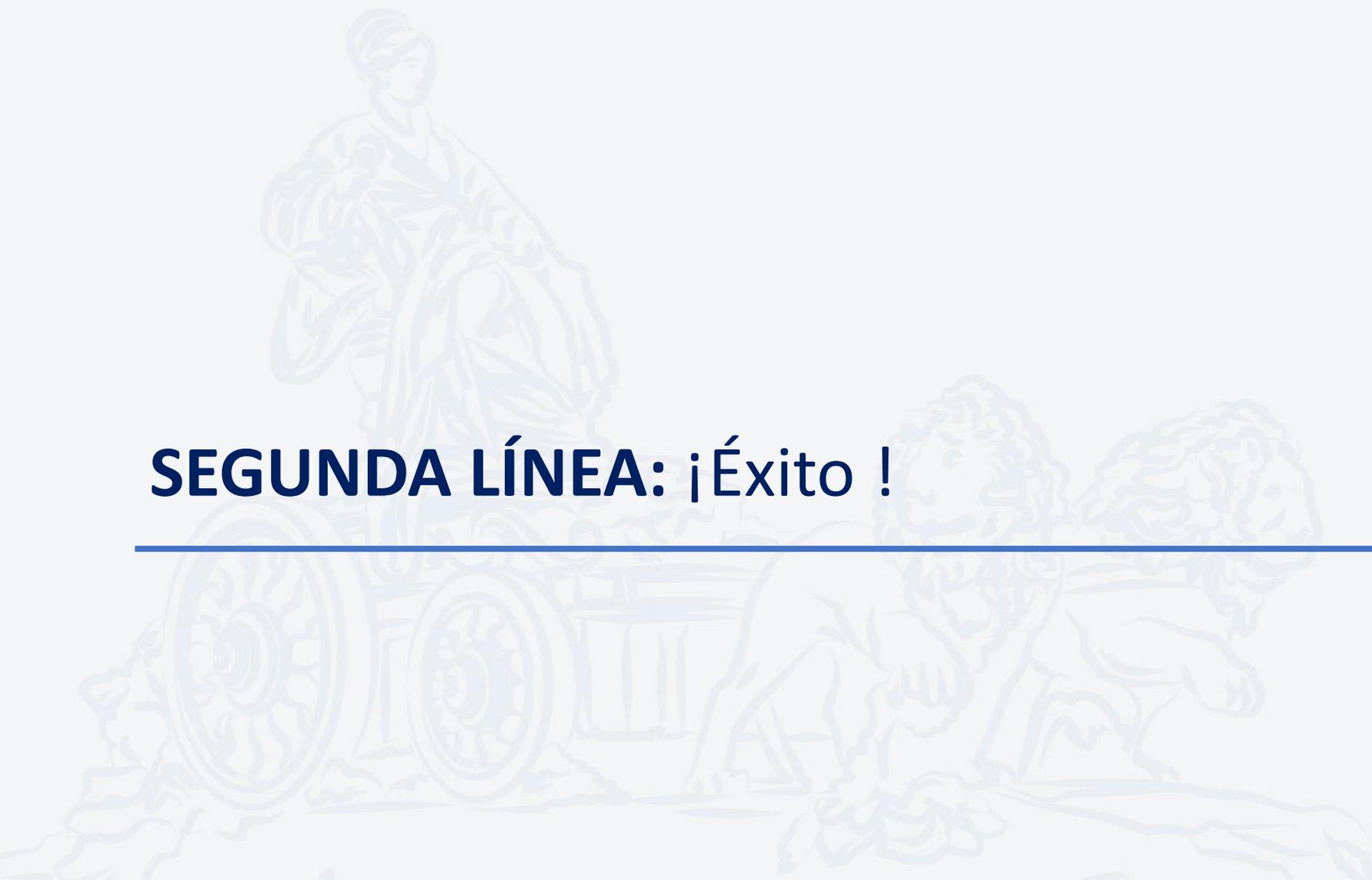


No. at risk	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
RAM+SOX	96	95	89	82	74	61	55	46	33	25	20	12	7	3	2	0
PBO+SOX	93	91	87	83	75	66	56	44	33	30	21	14	9	4	3	0

3. Afibercept, combinado con FOLFOX no impacta en SG (Fase II) no impacta ni en SG ni en SLP (n:64)



SEGUNDA LÍNEA: ¡Éxito !

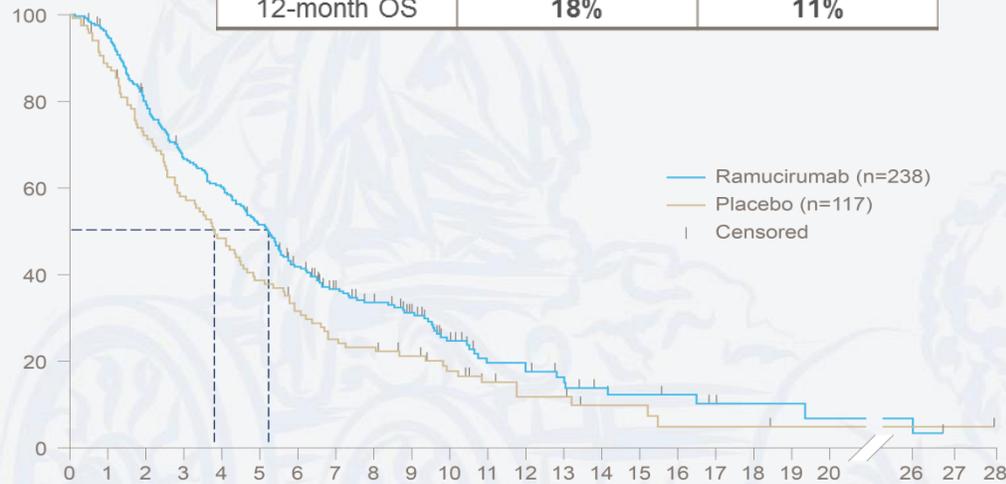


1. Un 40% llegarán a 2L y diferentes citotóxicos demostraron beneficio frente a PLACEBO.

Publicación	Estudio, País	N	Droga	SG	Incremento
Thuss-Patience PC. Eur J Ca 2011	AIO Alemania	40	Irinotecan Vs BSC	4 vs 2.4 P 0.012	HR 0.48 1.6 meses
Kang JH. JCO 2012	Corea	202	Irino/Docetaxel Vs BSC	5.3 vs 3.8 P 0.007	HR 0.66 1.5 meses
Ford HE. Lancet Oncol 2014	COUGAR02 Reino Unido	168	Docetaxel Vs BSC	5.2 vs 3.6 P 0.01	HR 0.67 1.6 meses
Hironaka JCO 2013	WJOG 4007	223	Paclitaxel vs Irinorecán	9.5 vs 8.4 P:0.38	HR 1.13 Menos tóxico paclitaxel

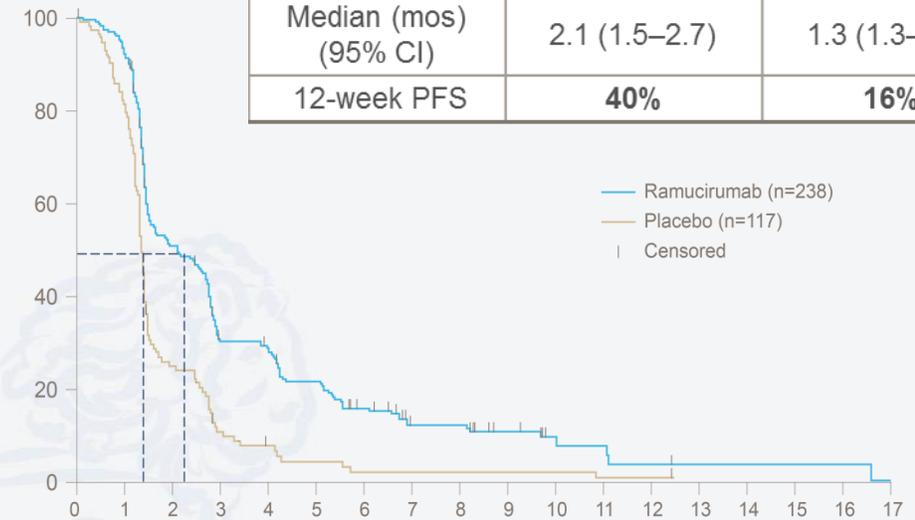
2. Ramucirumab (antiVEGFR2) es superior a placebo (Fase III, REGARD, n:355).

HR (95% CI)=0.776 (0.603–0.998) p value=0.047		
	Ramucirumab	Placebo
Patients / Events	238 / 179	117 / 99
Median (mos) (95% CI)	5.2 (4.4–5.7)	3.8 (2.8–4.7)
6-month OS	42%	32%
12-month OS	18%	11%



No. at risk		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	26	27	28
Ramucirumab	238	154	92	49	17	7	3	0	0																
Placebo	117	66	34	20	7	4	2	1	0																

HR (95% CI)=0.483 (0.376–0.620)		
Log rank p value (stratified) <0.0001		
	Ramucirumab	Placebo
Patients / Events	238 / 199	117 / 108
Median (mos) (95% CI)	2.1 (1.5–2.7)	1.3 (1.3–1.4)
12-week PFS	40%	16%

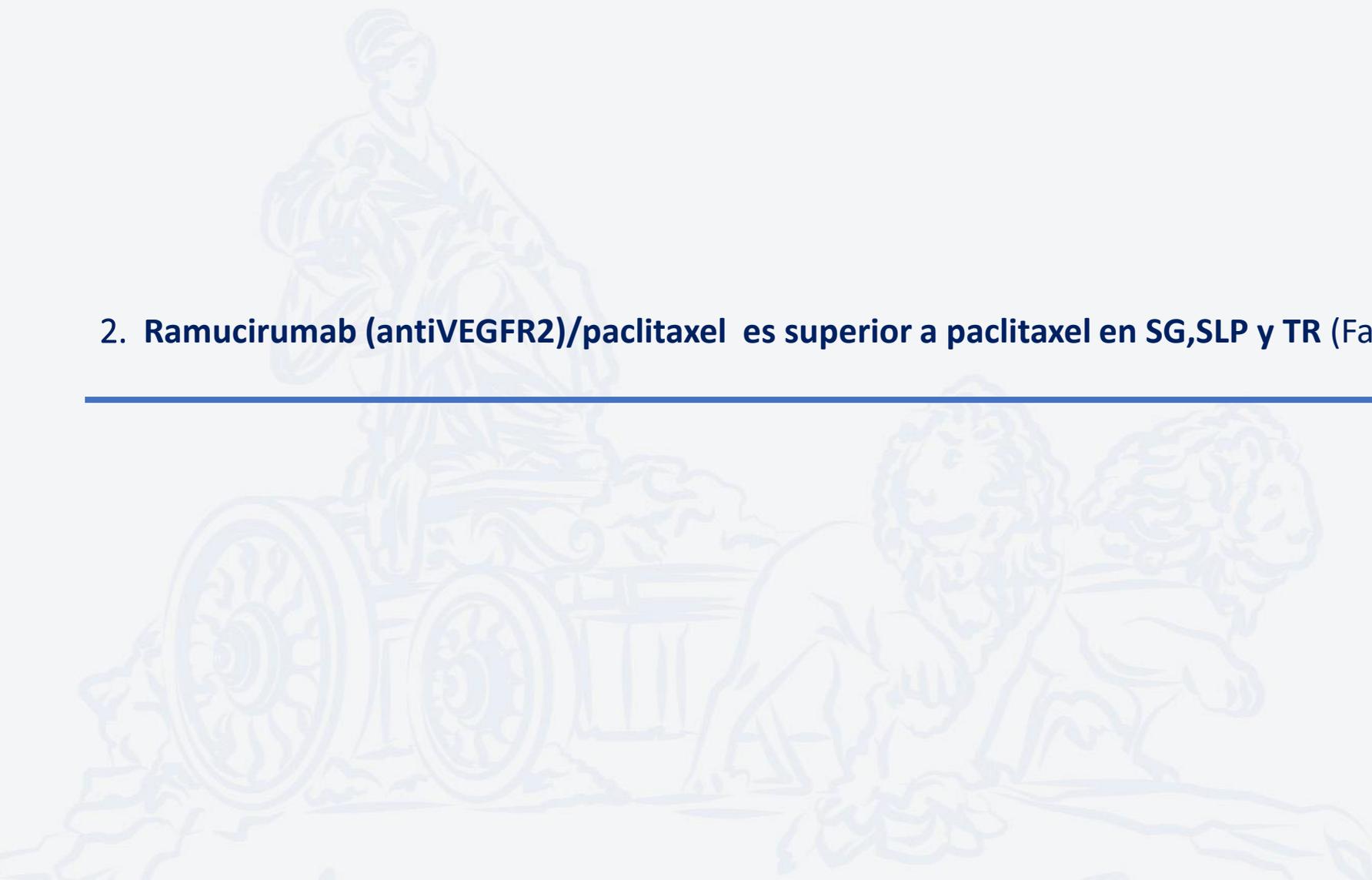


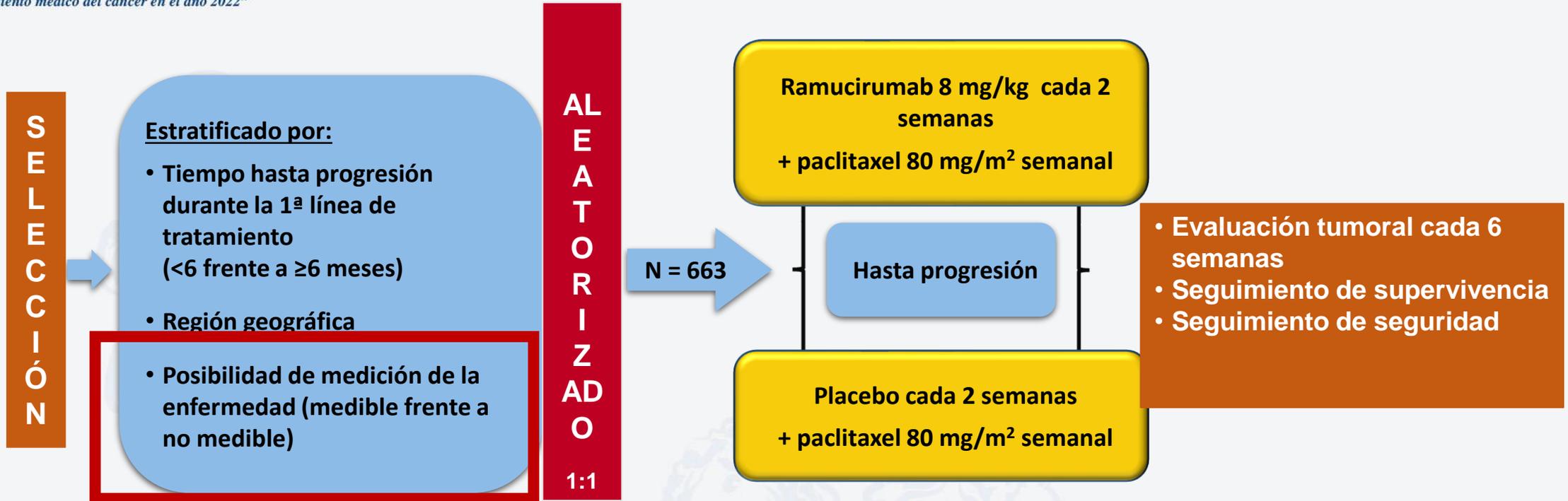
No. at risk		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Ramucirumab	238	213	113	65	61	45	30	18	18	11	5	4	2	1	1	1	1	1	0
Placebo	117	92	27	11	7	4	2	2	2	2	2	1	1	0	0	0	0	0	0

2. Ramucirumab (antiVEGFR2) es superior a placebo (Fase III, REGARD, n:355).

	Ramucirumab (n=238)	Placebo (n=117)
Respuesta Completa	1 (<1 %)	0
Respuesta Parcial	7 (3 %)	3 (3%)
Enfermedad Estable	108 (45 %)	24 (21%)
Enfermedad Progresiva	78 (33%)	63 (54%)
Sin evaluación	44 (18 %)	27 (23%)

2. Ramucirumab (antiVEGFR2)/paclitaxel es superior a paclitaxel en SG,SLP y TR (Fase III, RAINBOW, n:665).





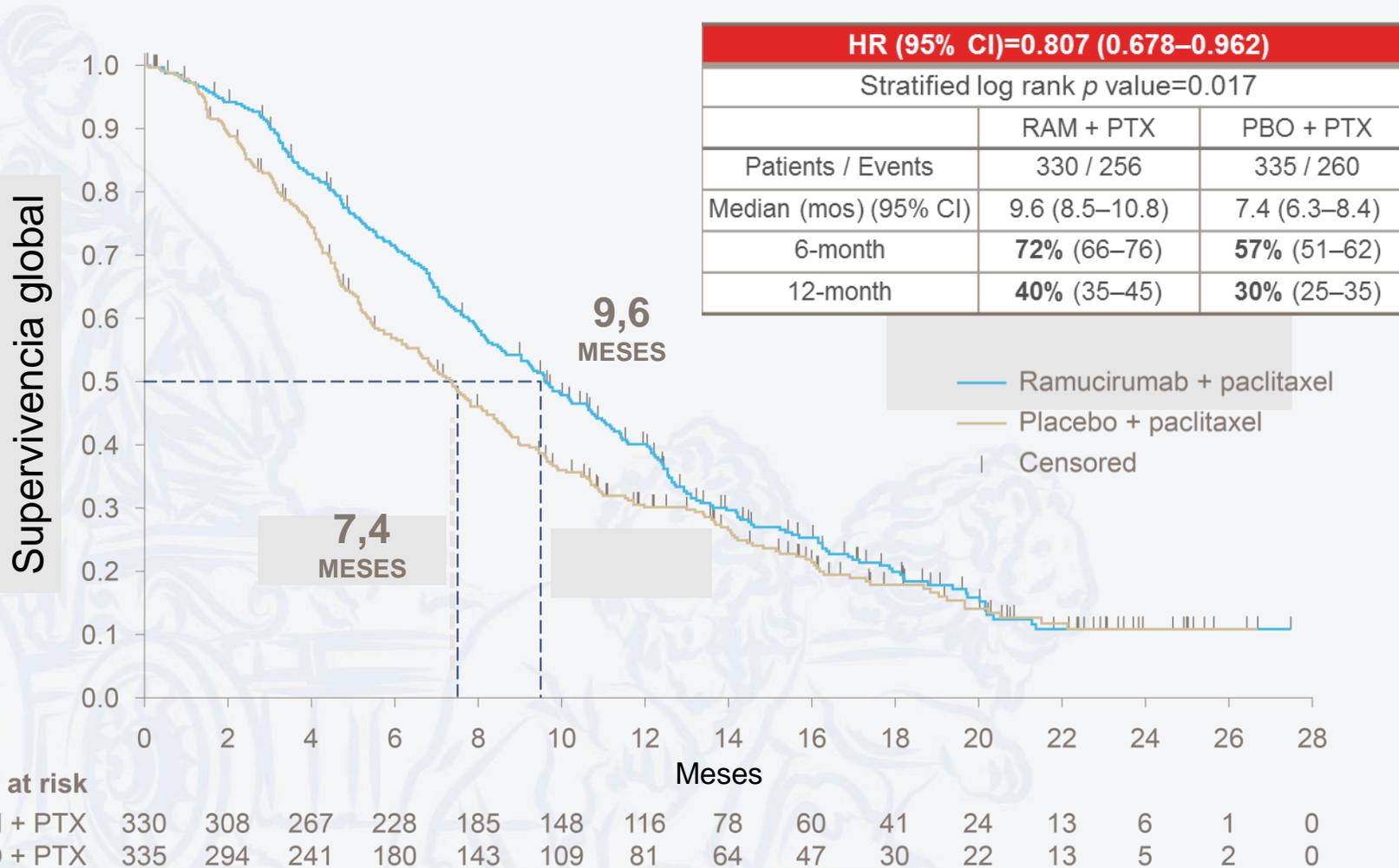
Población de pacientes

- Adenocarcinoma gástrico o de la UGE (metastásico o localmente avanzado y no resecable)
- Tratamiento de primera línea con doblete platino / fluoropirimidina con o sin una antraciclina
- Los pacientes experimentaron progresión durante la primera línea de tratamiento o en los 4 meses siguientes
- EG ECOG 0/1
- Sin metástasis en el SNC

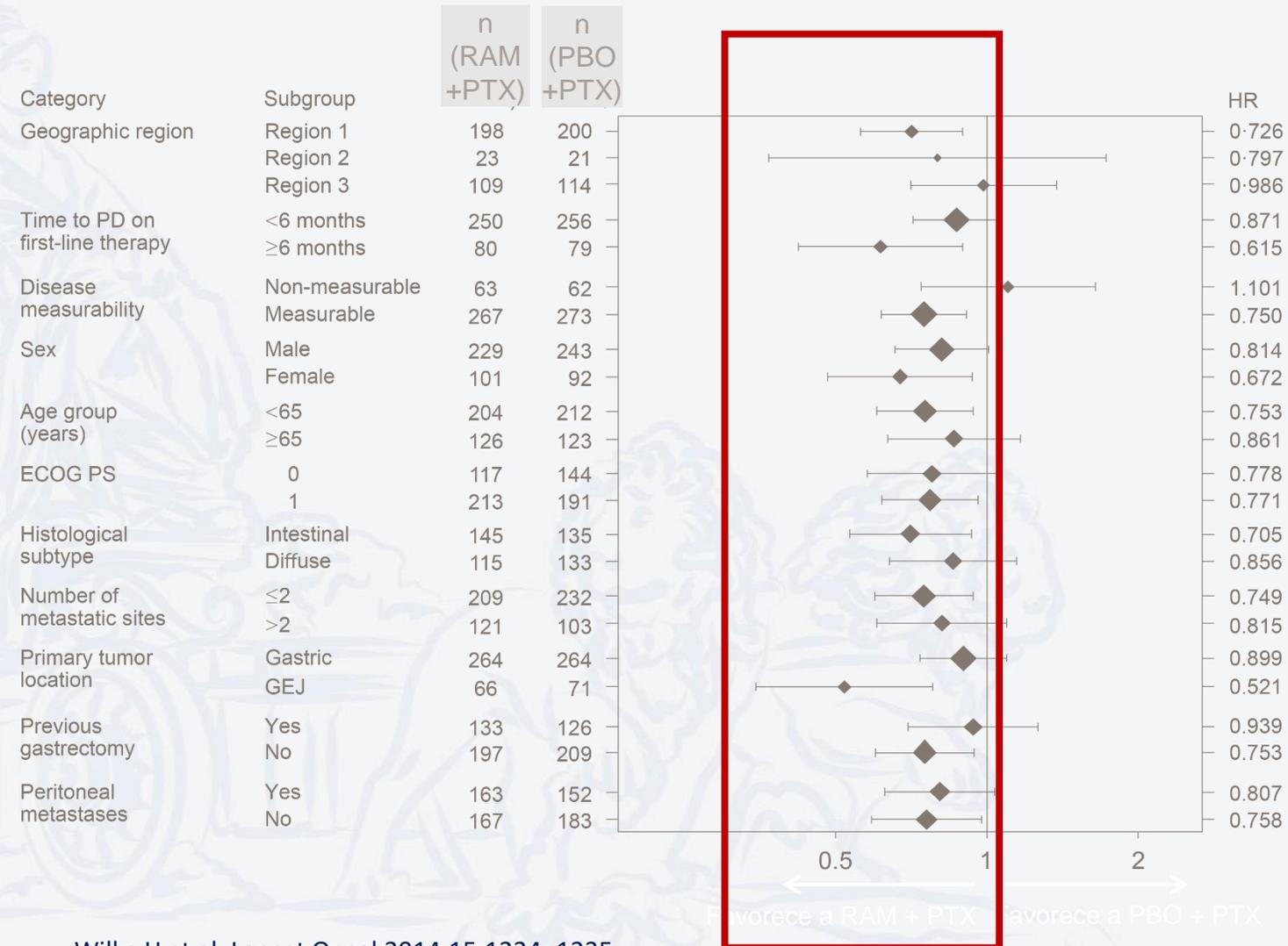
RAINBOW :Características basales

		Ram+Pac N=330 n (%)		Plc+Pac N=335 n (%)	
Tipo de cáncer	Gástrico	264	(80,0)	264	(78,8)
	UGE	66	(20,0)	71	(21,2)
Subtipo histológico	Intestinal	145	(43,9)	135	(40,3)
	Difuso	115	(34,8)	133	(39,7)
	Mixto	21	(6,4)	14	(4,2)
	Desconocido/ausente	49	(14,8)	53	(15,8)
Tumor primario	Presente	209	(63,3)	209	(62,4)
Número de sitios metastásicos	0-2	209	(63,3)	232	(69,3)
	≥ 3	121	(36,7)	103	(30,7)
Metástasis peritoneales	Sí	163	(49,4)	152	(45,4)
Extensión de la enfermedad	Metastásica	324	(98,2)	324	(96,7)
Pérdida de peso (Pasados 3 meses)	< 10 %	277	(83,9)	286	(85,4)
	≥ 10 %	53	(16,1)	47	(14,0)

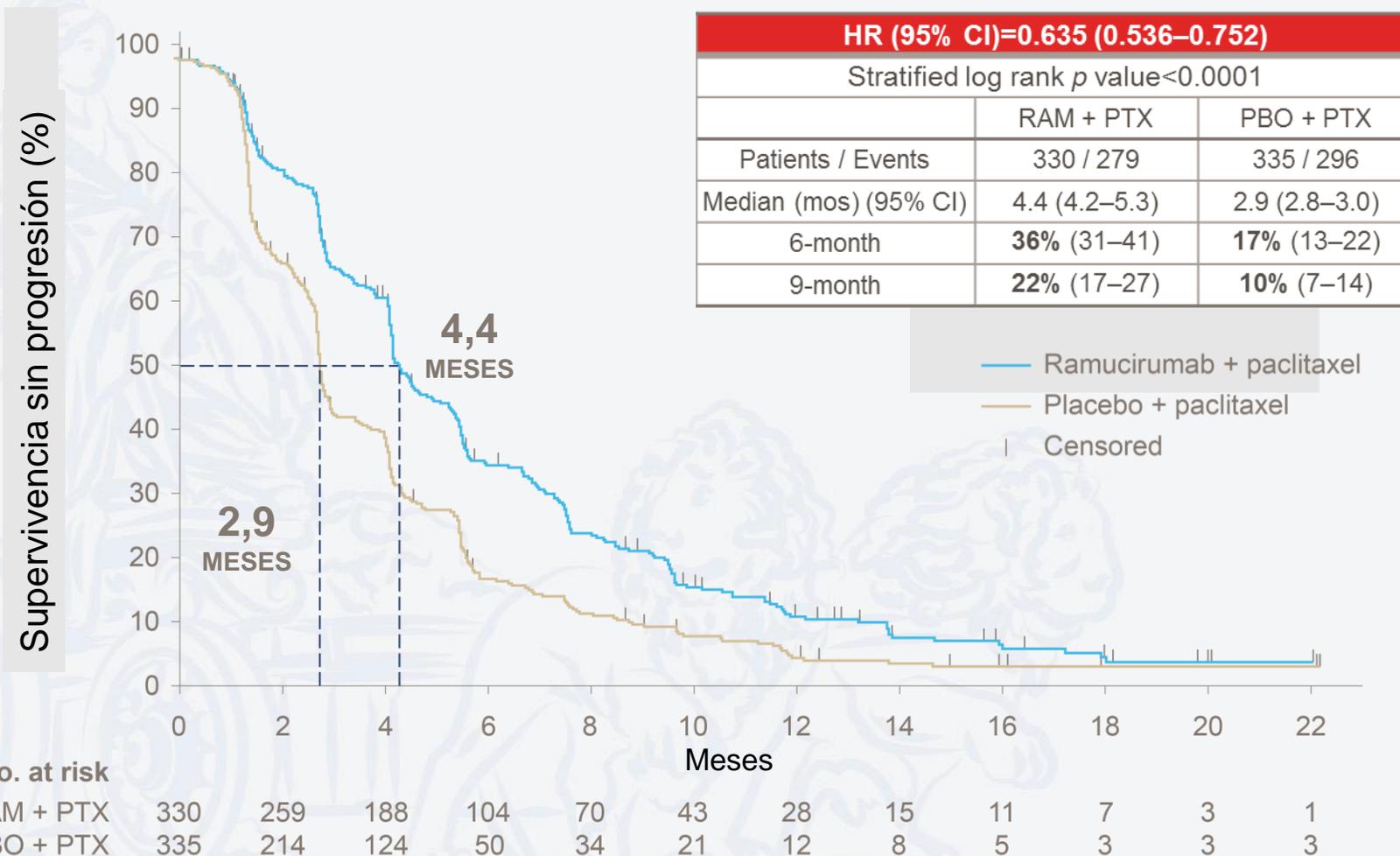
RAINBOW : SG



RAINBOW : Todos los subgrupos se benefician



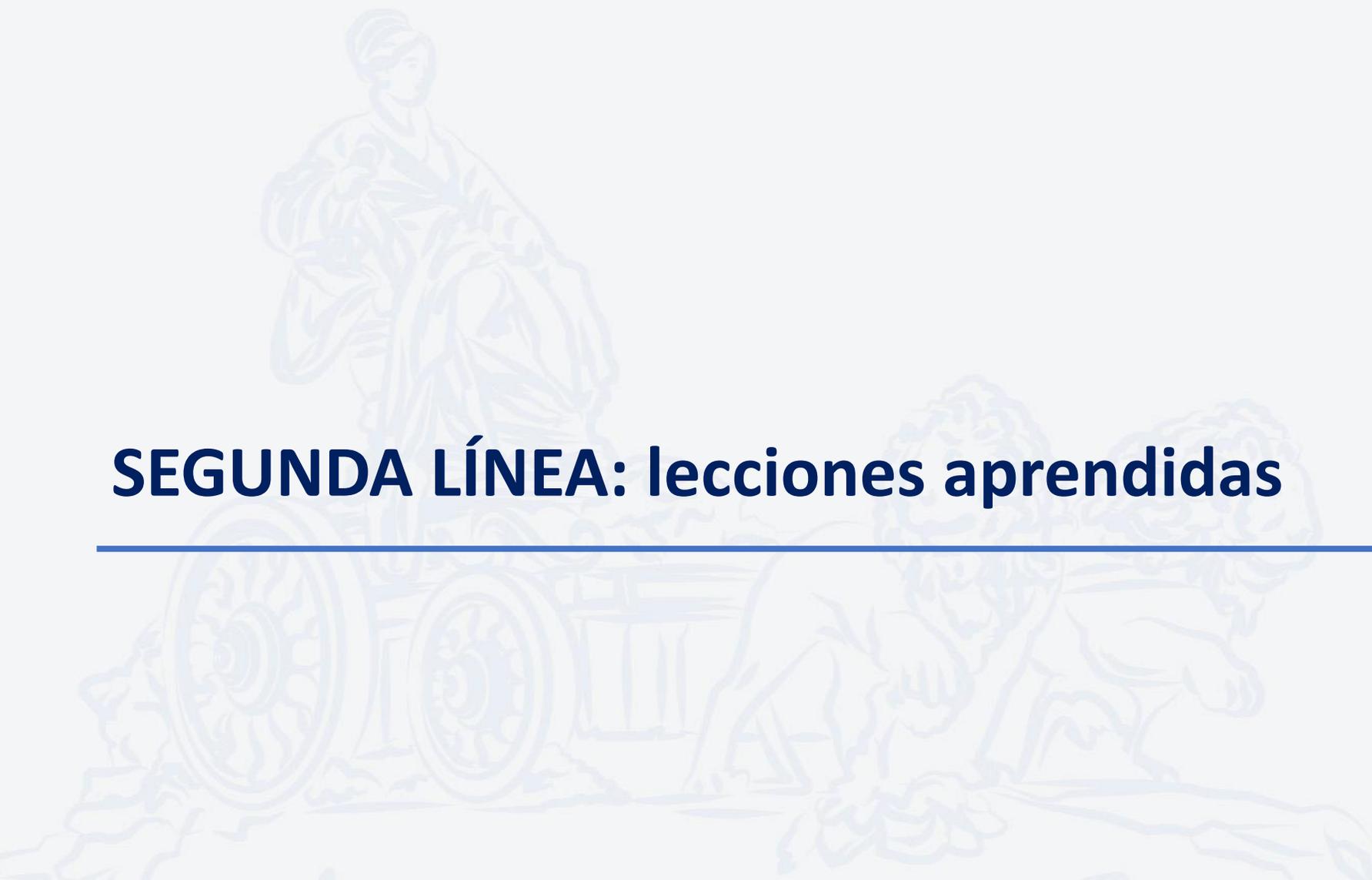
RAINBOW : SLP



WHAT ELSE....?



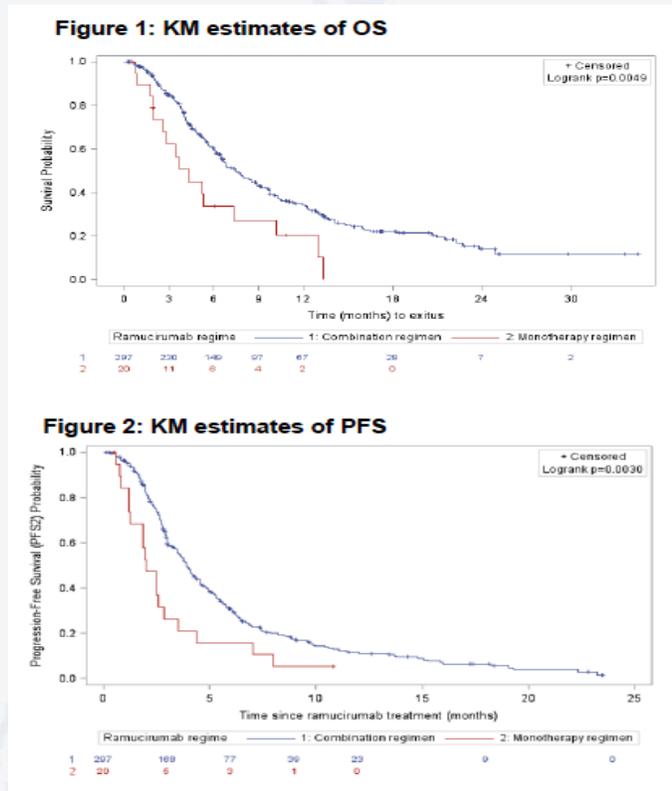
SEGUNDA LÍNEA: lecciones aprendidas



1. Estudios de Vida Real: RAMIS y RAMOSS



1. Los estudios de vida real (RAMIS, n:317) corroboran los hallazgos de los Fase III RAINBOW y REGARD



SG 7.2 ms (7.4 combinación vs 4.3 monoterapia)

SLP 3.8 ms (3.9 combinación vs 2 monoterapia)

Tpo a PE (TTP) 4.3ms (4.5 combinación y 2.5 monoterapia)

RR medible (2.9% CR y 17.6% PR):19.2% .
RAINBOW 28%

RR no medible: 35.3% no progresión

Solo 2.2% ajustes de dosis de ramucirumab

P43

Ramucirumab effectiveness in patients with advanced gastric cancer (AGC) or gastro-esophageal junction (GEJ) adenocarcinoma in clinical practice in Spain: *Sub-analysis of RAMIS study*

N:173

Subanálisis en pacientes tratados en combinación, ECOG 0/1

SG mediana: 10.3 meses

SLP mediana : 4.9 meses

Figure 1. KM estimates for OS

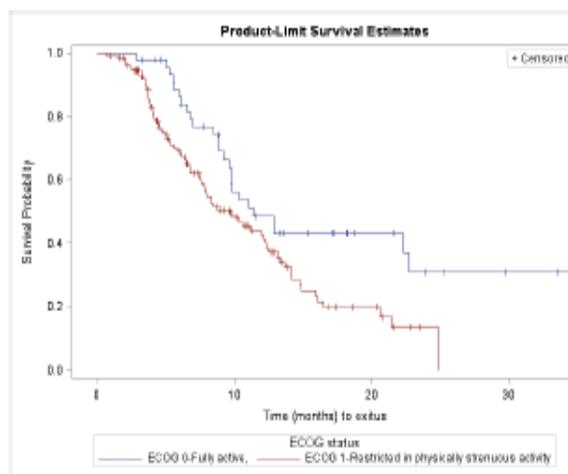
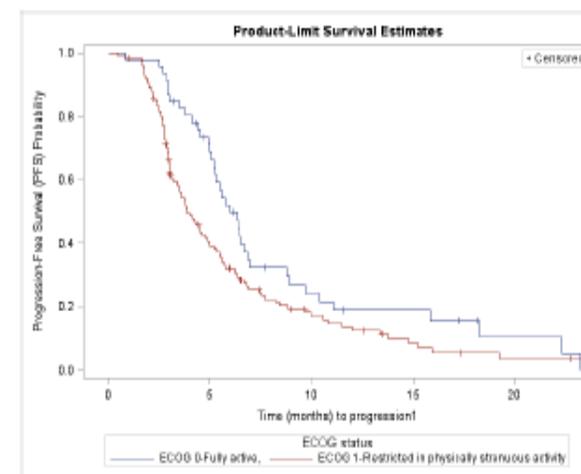


Figure 2. KM estimates for PFS



1. Los estudios de vida real (RAMOSS, n:177) corroboran los hallazgos de los Fase III RAINBOW y REGARD

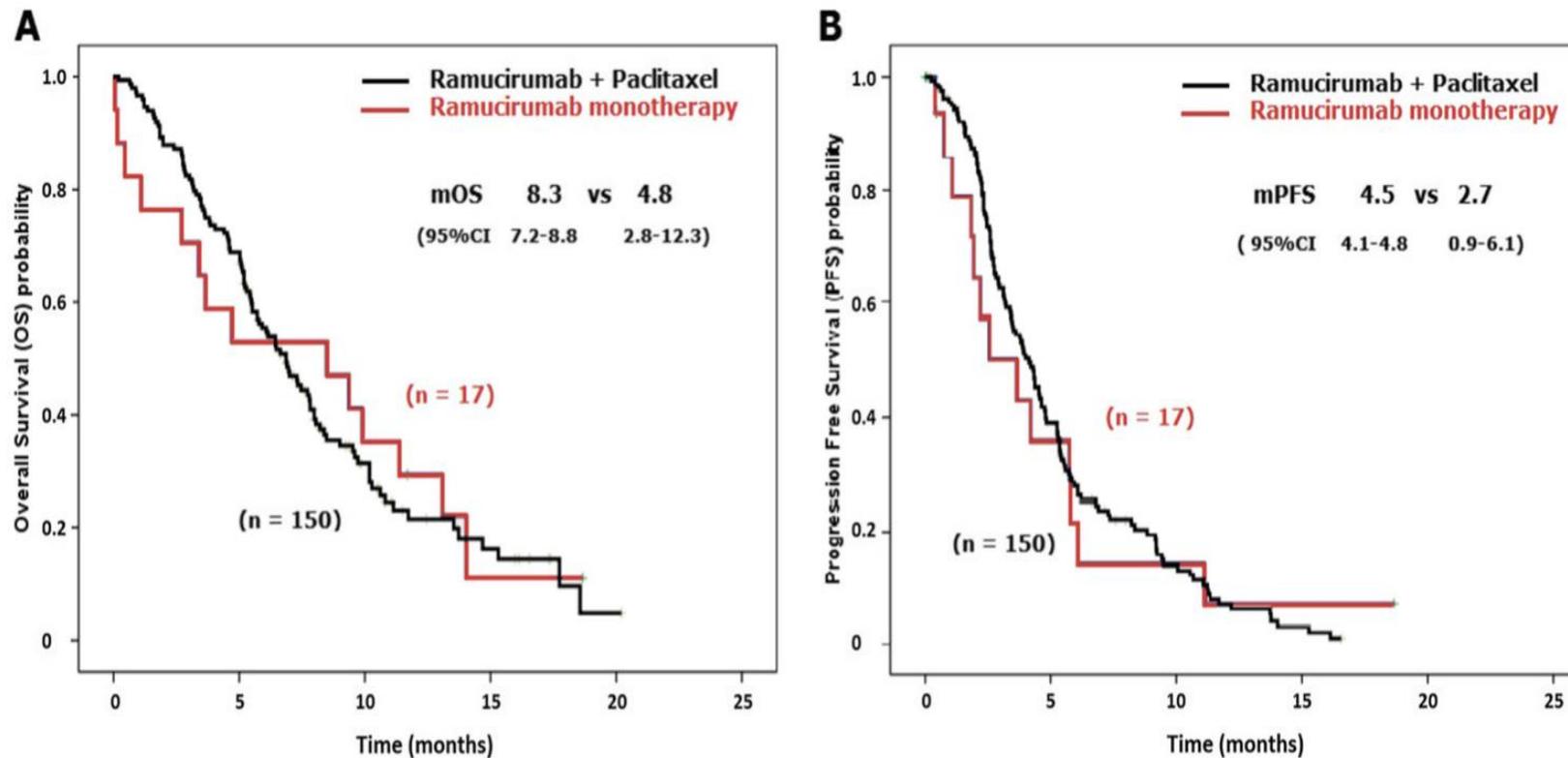
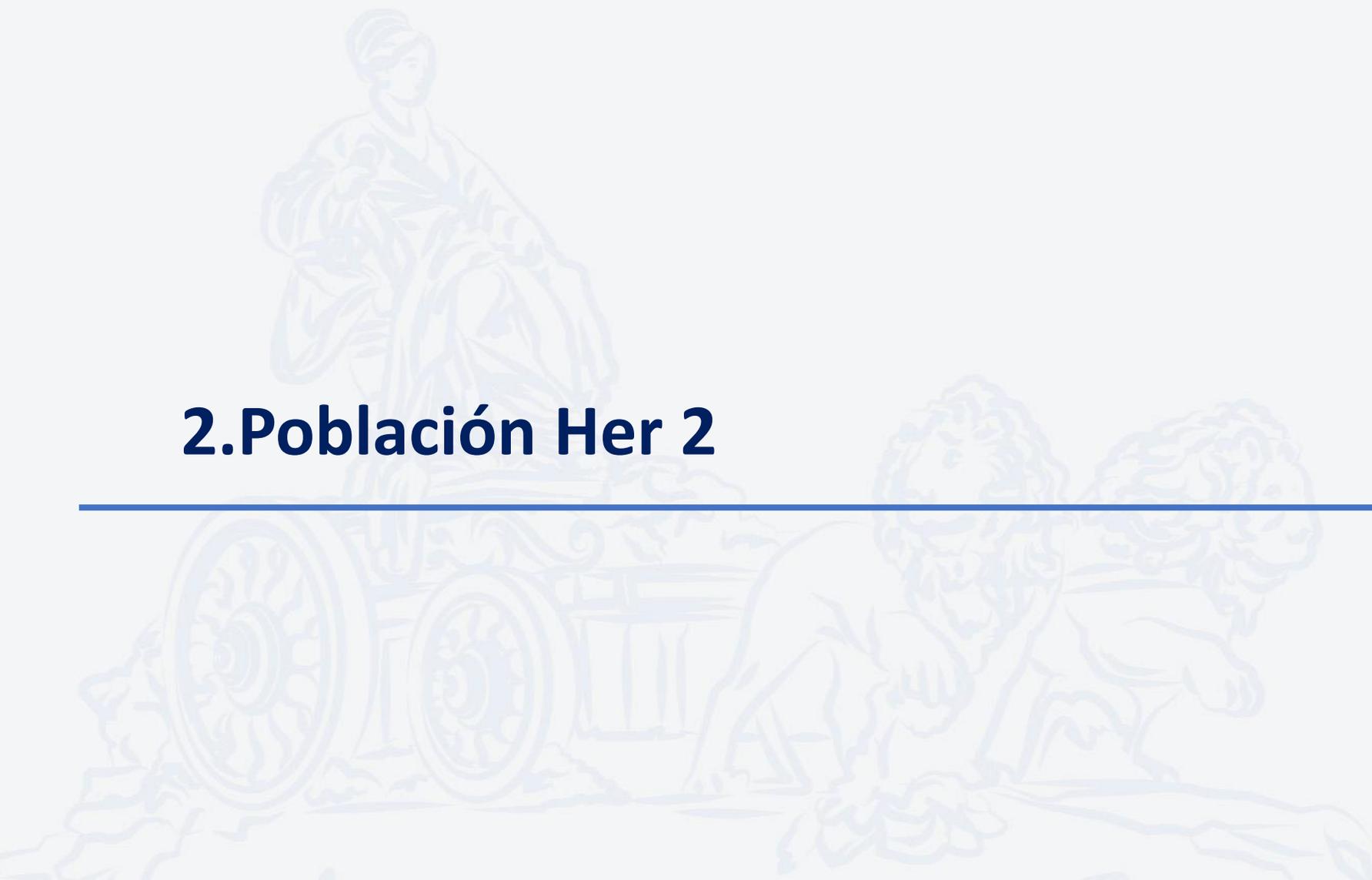


Fig. 3 Kaplan-Meier plots for OS (A) and PFS (B) according to treatment

2. Población Her 2



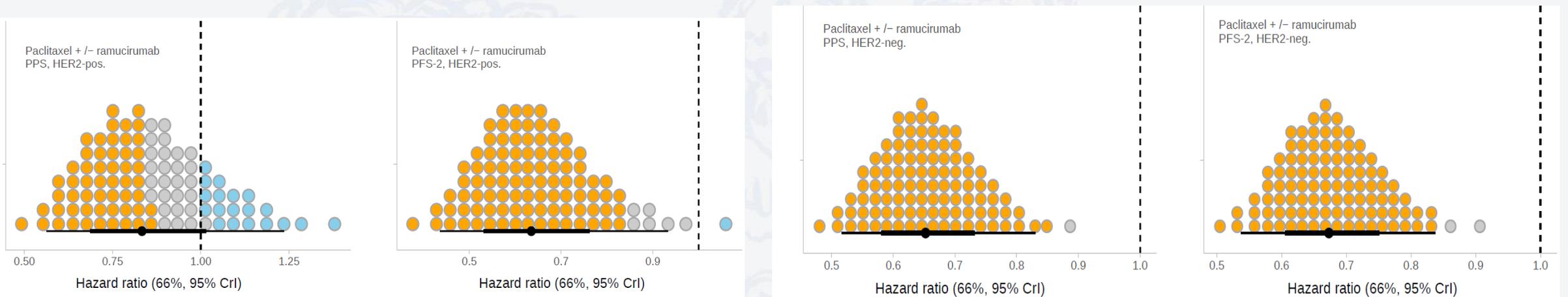
2. La población Her 2 se beneficia del empleo de paclitaxel y ramucirumab

Bayesian models: HER2-positive tumors.

The posterior probability of benefit (HR <1) with **paclitaxel-ramucirumab** vs paclitaxel in terms of **OS-2** is **81%**, with **HR 0.83** (95% CrI, 0.56-1.23). The dot plot shows the posterior probability distribution for OS. For **PFS-2**, the probability of benefit (HR<1) with paclitaxel-ramucirumab vs paclitaxel is **99%**, with HR 0.63 (95% CrI, 0.43-0.92).

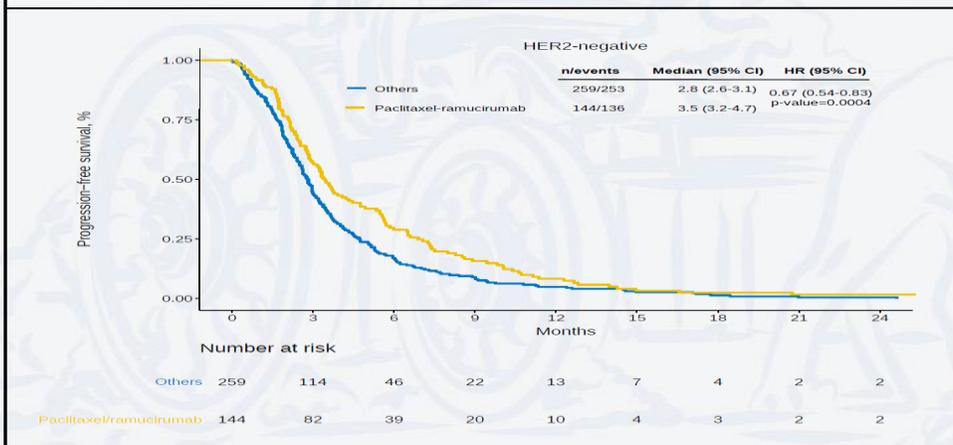
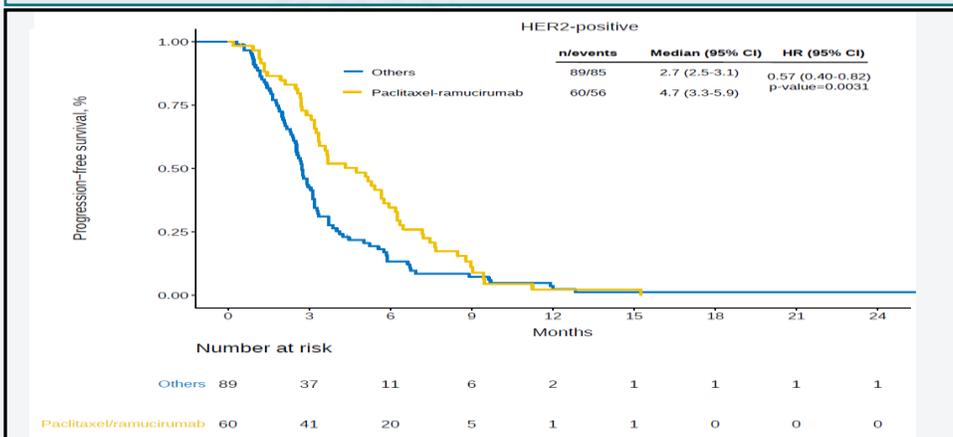
Bayesian models: HER2-negative tumors.

The posterior probability of benefit (HR <1) with **paclitaxel-ramucirumab** vs paclitaxel in terms of **OS-2** is **100%**, with **HR 0.65** (95% CrI, 0.51-0.82). The dot plot shows the posterior probability distribution for OS. For PFS-2, the probability of benefit (HR<1) with paclitaxel-ramucirumab vs paclitaxel is **100%**, with HR 0.67 (95% CrI, 0.54-0.83).

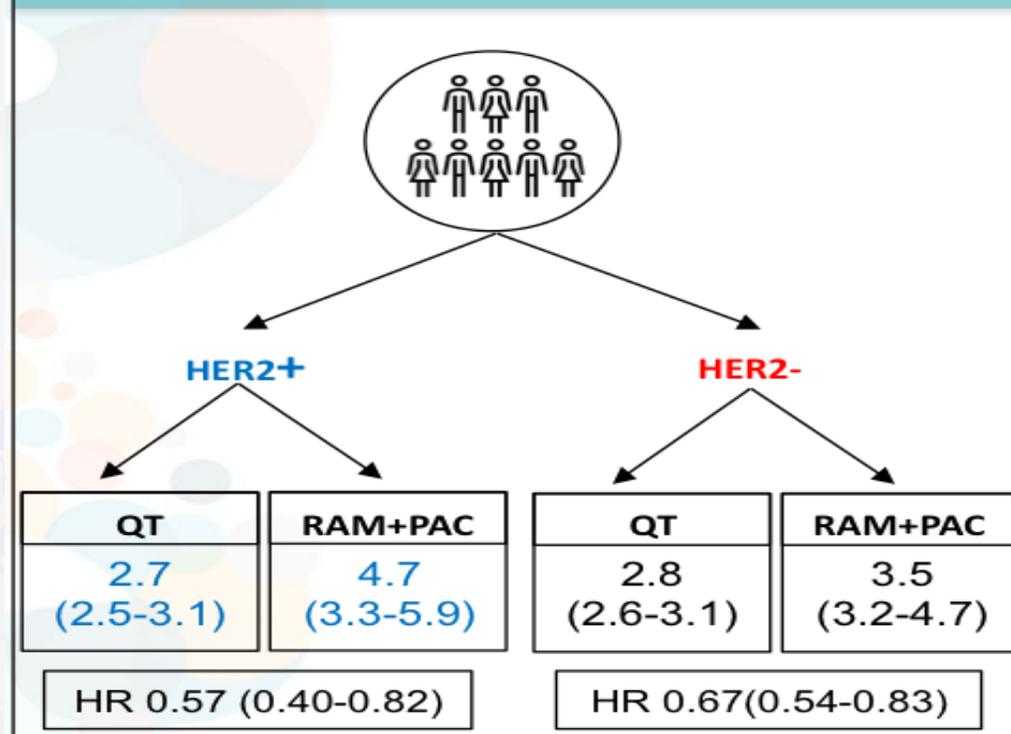


3. El beneficio es independiente del estatus HER 2 (estudio RAINHER,SLP)

Supervivencia Libre de Progresión (SLP2)

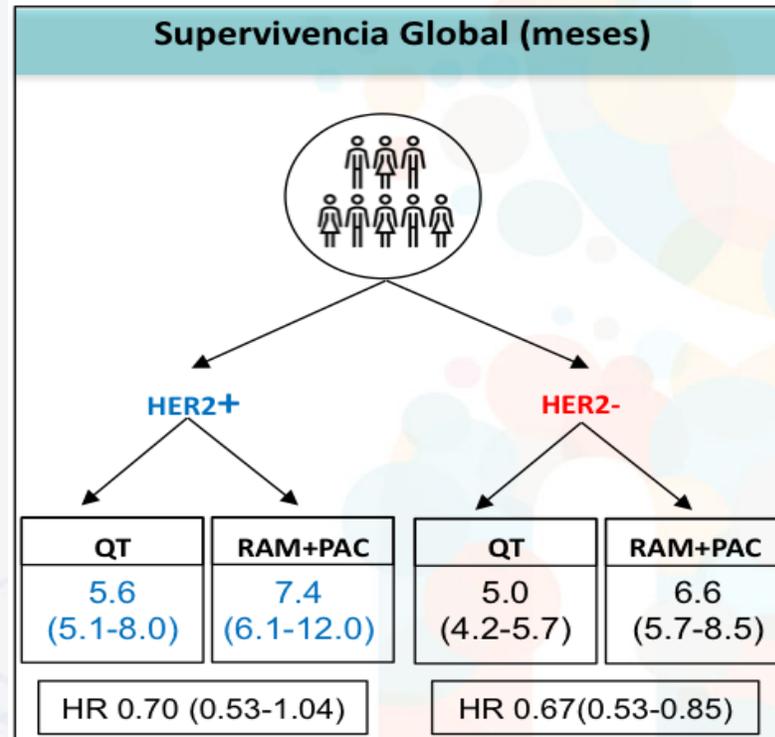
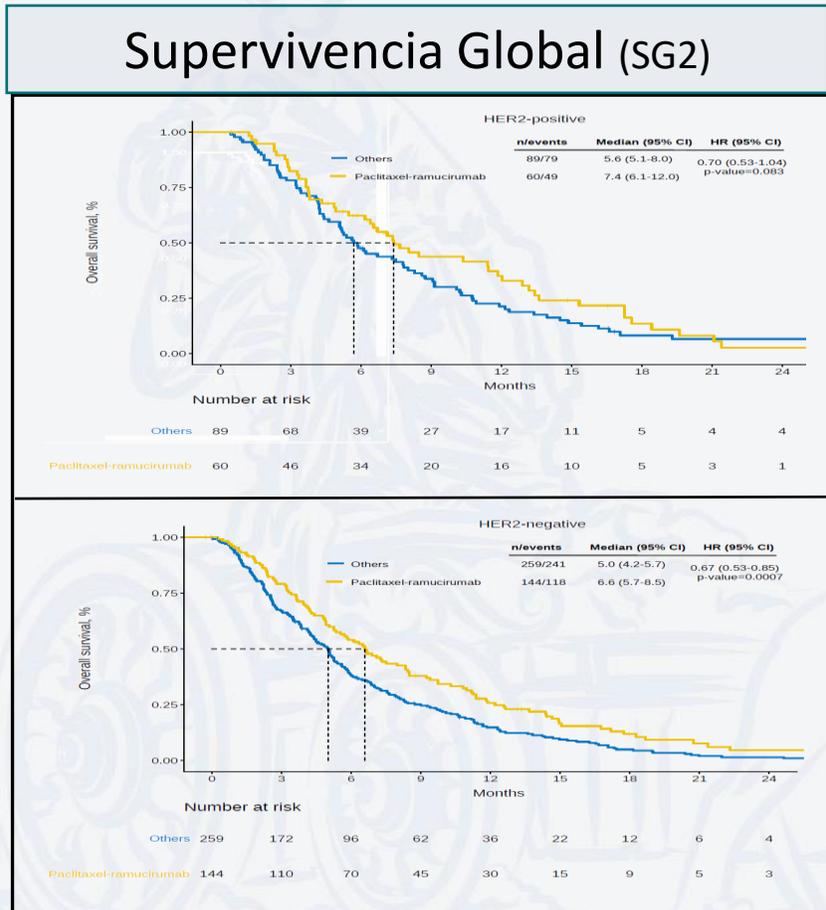


Supervivencia Libre de Progresión (meses)



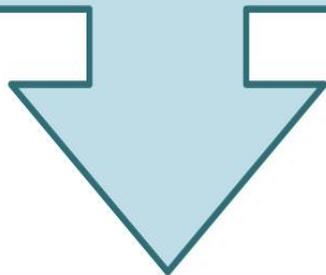
No se encontró interacción entre el estado de **HER2** y el efecto del tratamiento en **SLP2 (p=0.459)**

3. El beneficio es independiente del estatus HER 2 (estudio RAINHER, SG)



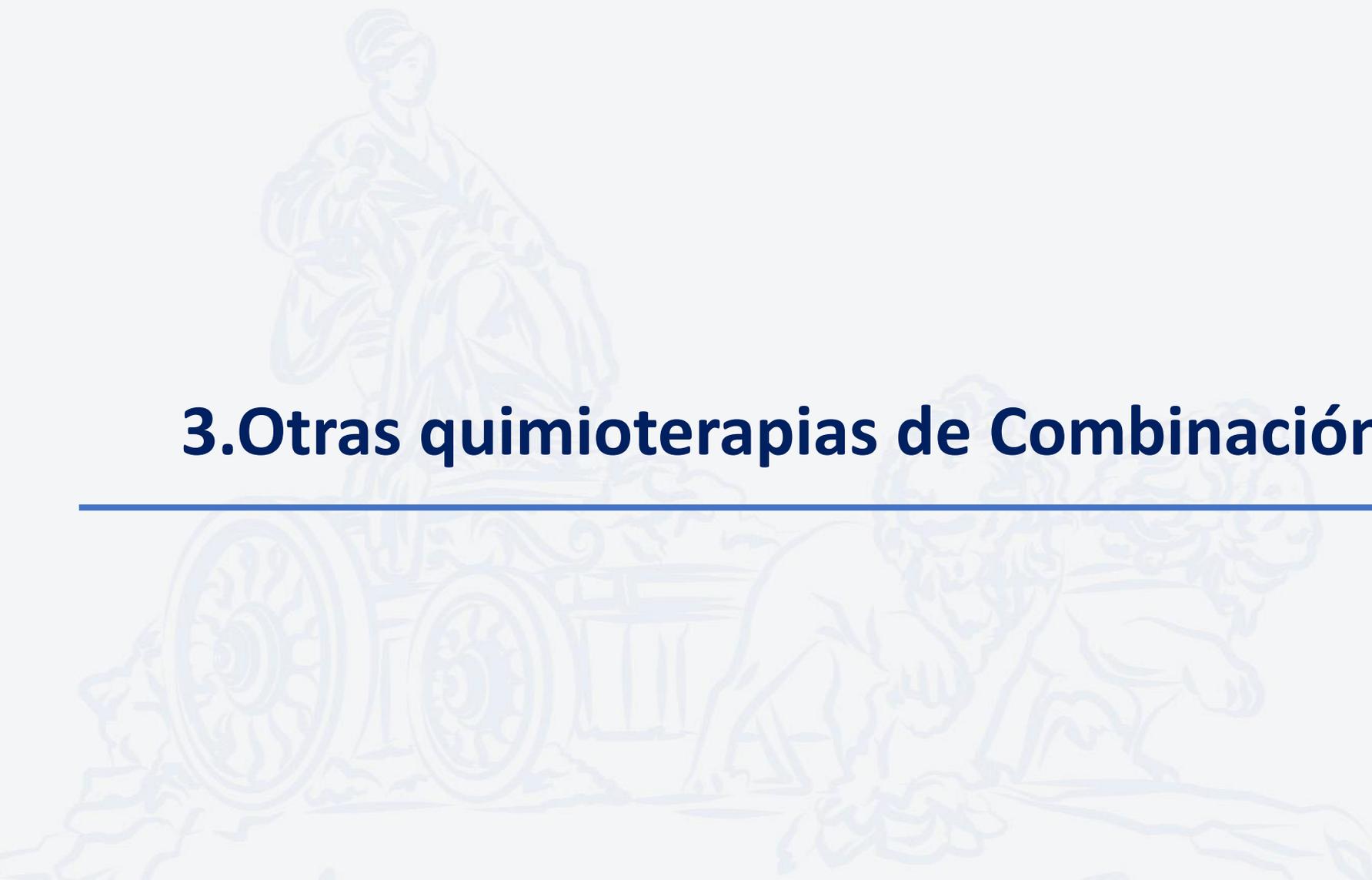
No se encontró interacción entre el estado de HER2 y el efecto del tratamiento en SG2 (p=0.822)

Los resultados sugieren que el **beneficio en supervivencia del tratamiento de 2L** en AG y de UEG avanzado, RAM+PAC o QT, es **independiente** del estado de **HER2**

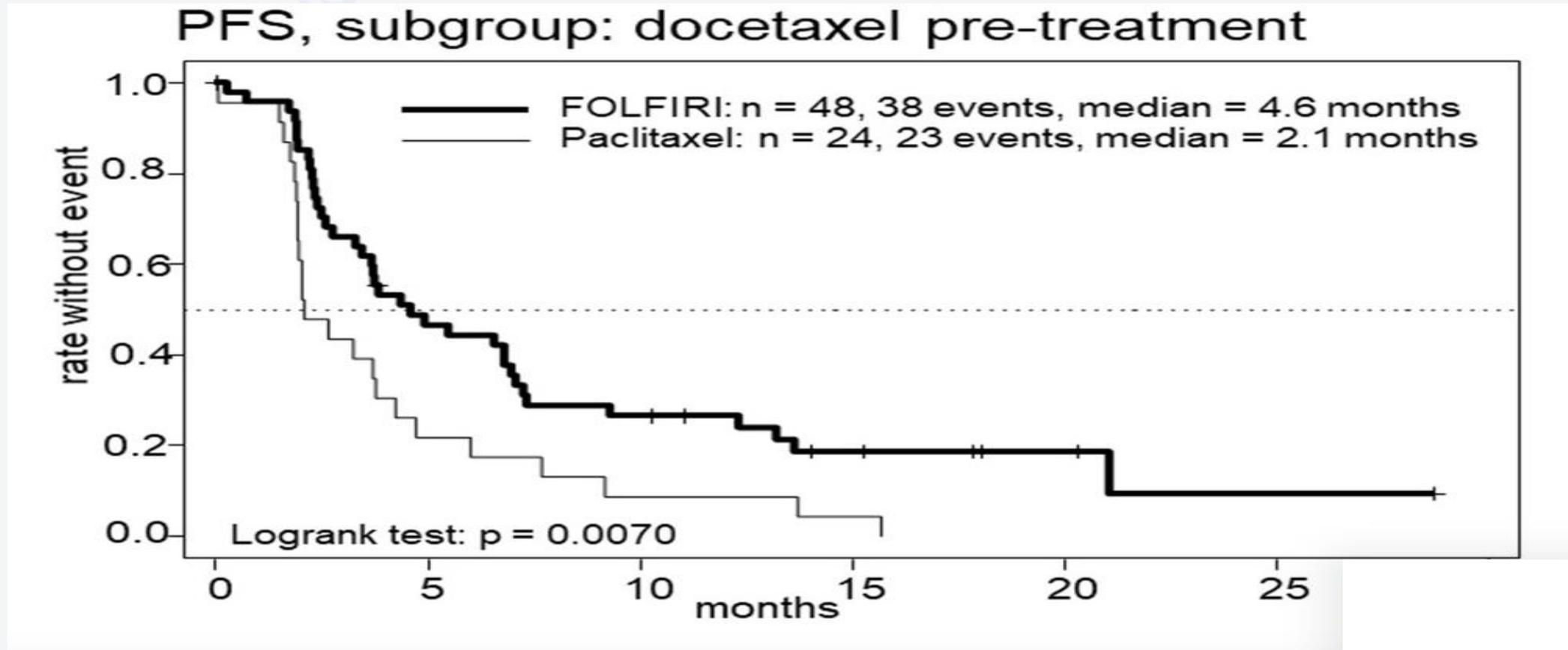


El presente análisis **complementa** con datos de **práctica clínica real** los resultados del ensayo clínico **RAINBOW**.

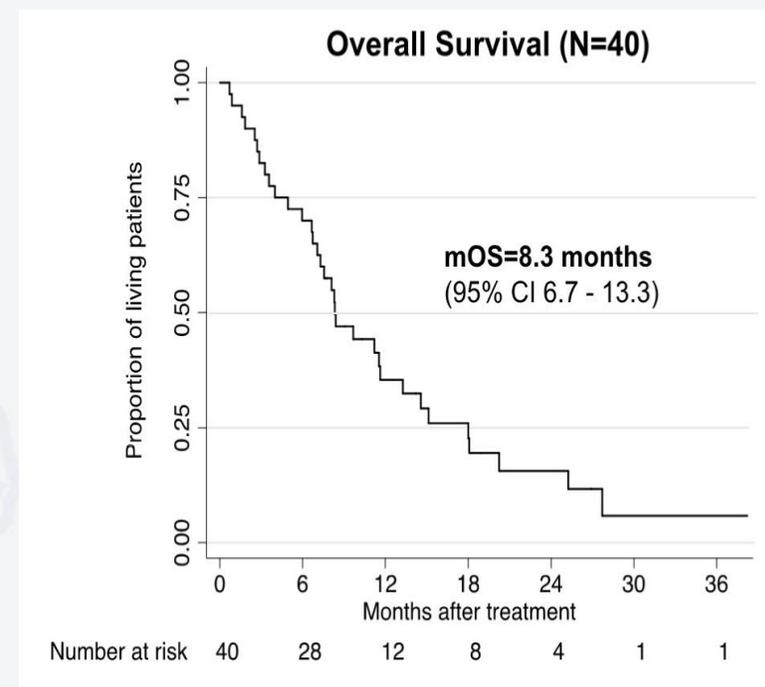
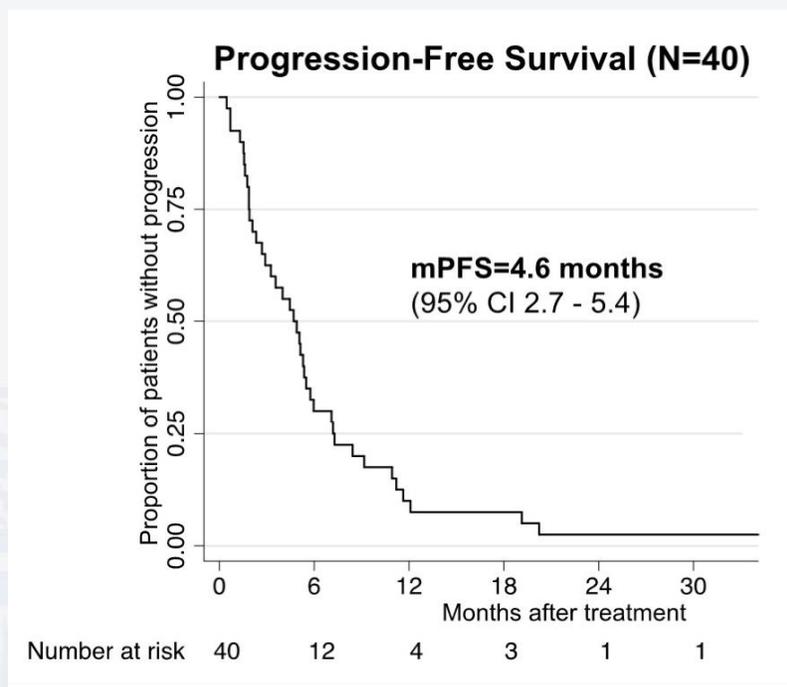
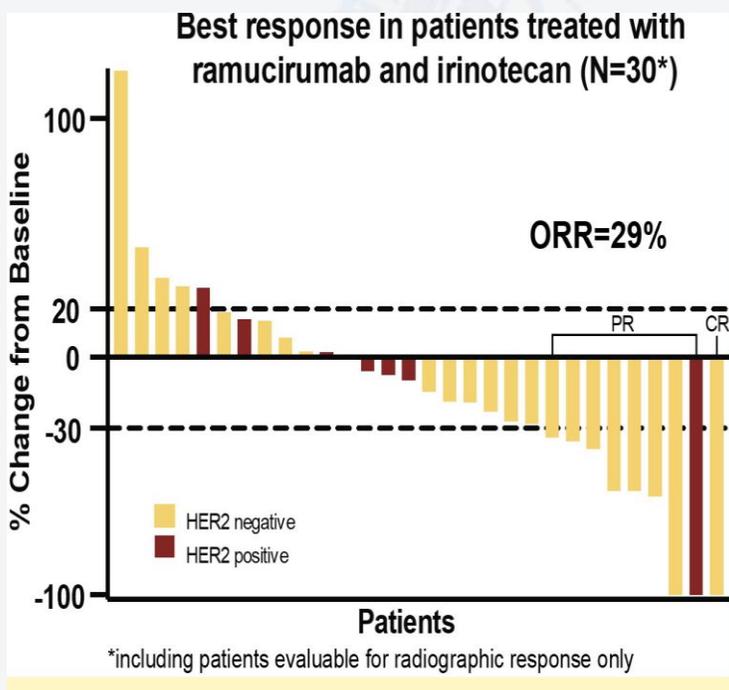
3. Otras quimioterapias de Combinación



4. FOLFIRI/ramucirumab (Fase II RAMIRIS, n:101) no difiere en eficacia (SG, SLP) comparado con paclitaxel /ramucirumab

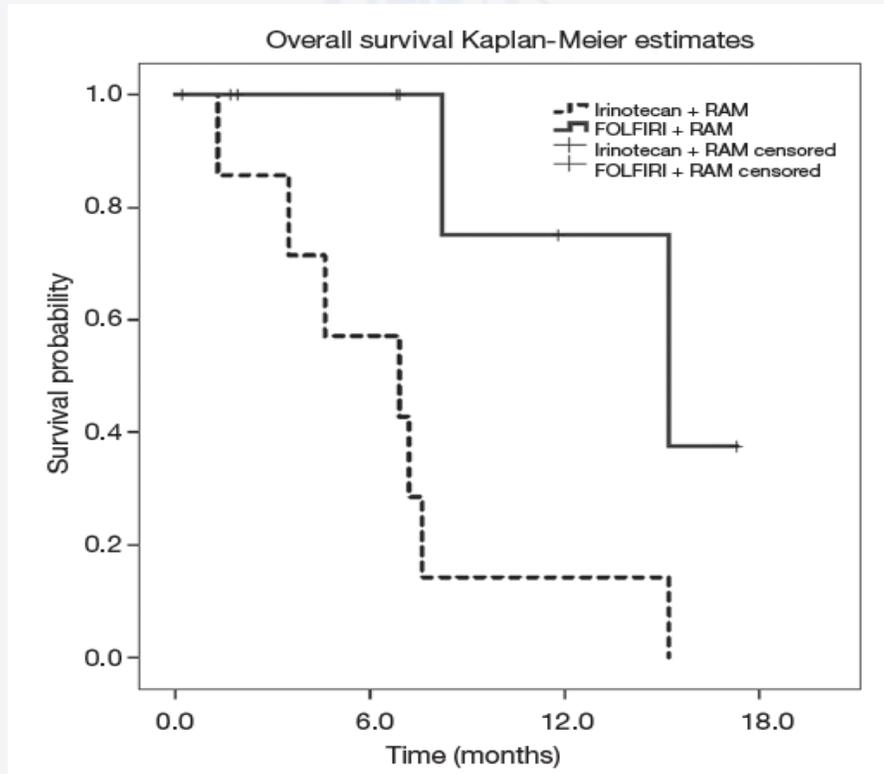


4. Ramucirumab/Irinotecán (Fase II), es eficaz y opción a considerar en pacientes con neurotoxicidad ≥ 2 (n:40)



Ramucirumab plus FOLFIRI or irinotecan as second-line therapy in advanced or metastatic gastric or gastroesophageal junction adenocarcinoma

Verena Schlintl, Florian Huemer, Richard Greil, Lukas Weiss



N:16

FOLFIRI-RAM **mayor SG** comparado con irinotecan- RAM
15.2 meses (95% CI: 4.7–25.7) vs. 6.9 meses (95% CI: 1.0–12.8),
P=0.01

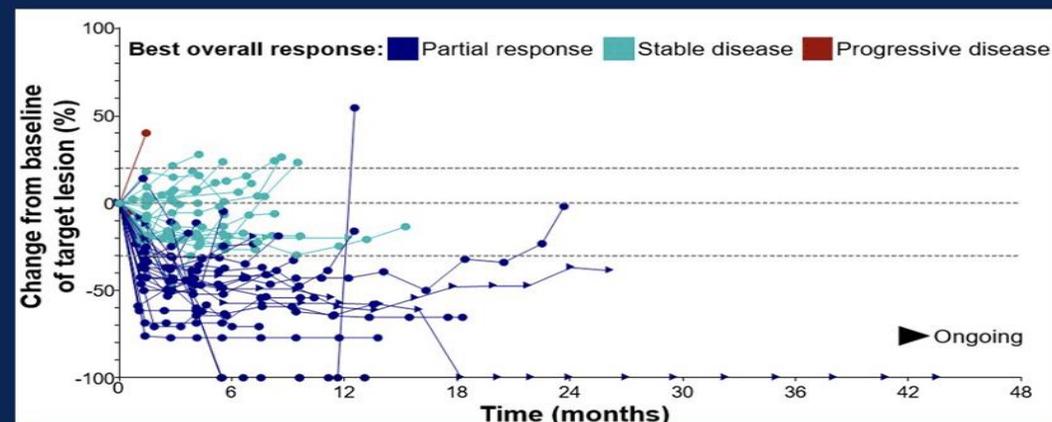
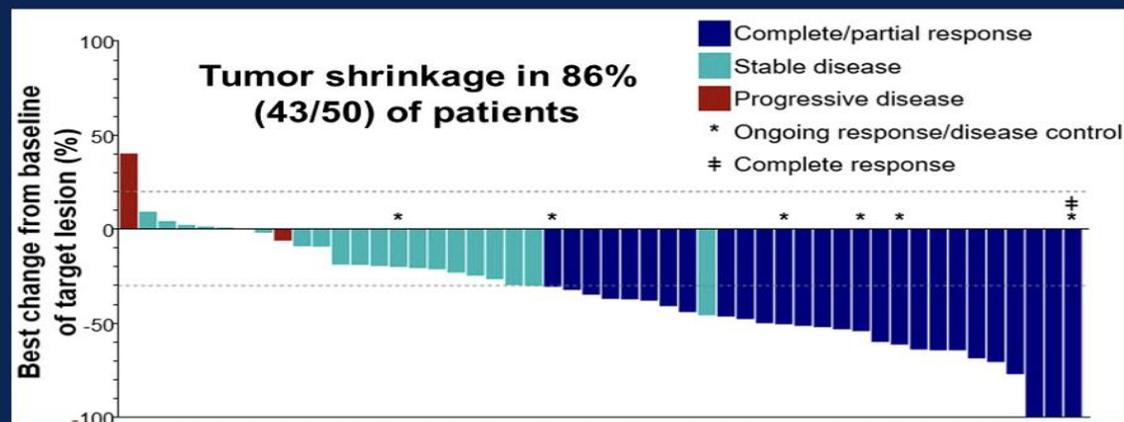
No diferencia estadística en SLP
(5.4 vs. 4.6 months, P=0.19).

4. Estudio HER/RAM (Asiático) fase I/II que combina paclitaxel/ramucirumab y trastuzumab (n:50)

Updated Efficacy

Best response	No	%
Complete response	1	2
Partial response	26	52
Stable disease	21	42
Progressive disease	2	4
Objective response	27	54
Disease control	48	96

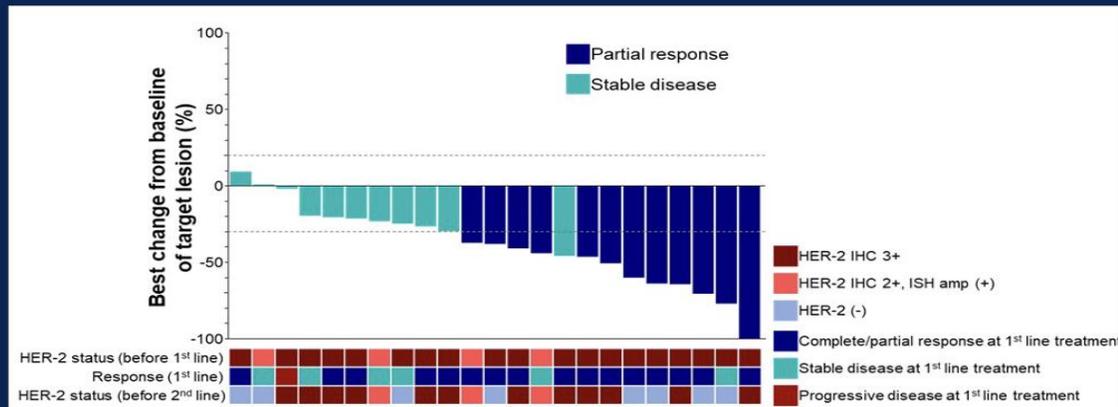
- Median follow-up duration (range): 27.5 months (17.4-37.6)
- **mPFS: 7.1 months (95% CI= 4.8-9.4)**
Met the primary end point
- mOS: 13.6 months (95% CI=9.4-17.7)
- mDOR: 6.8 months (95% CI=1.5-11.9)



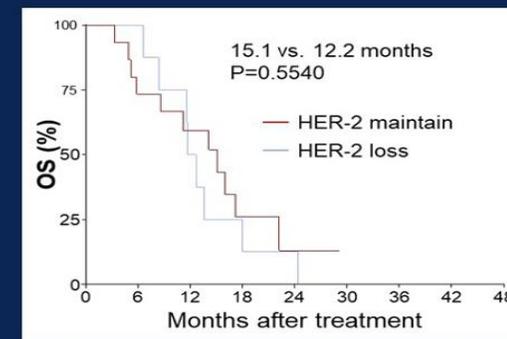
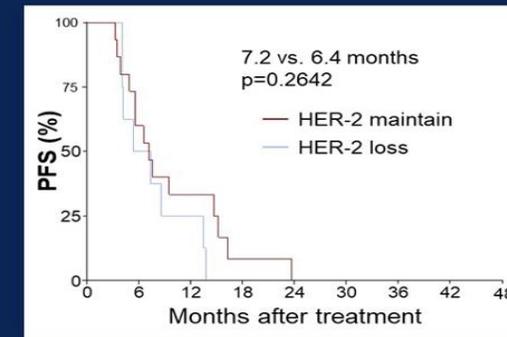
➤ Data cut off date: 2021-09-07

4. Estudio HER/RAM fase I/II que combina paclitaxel/ramucirumab y trastuzumab (n:50)

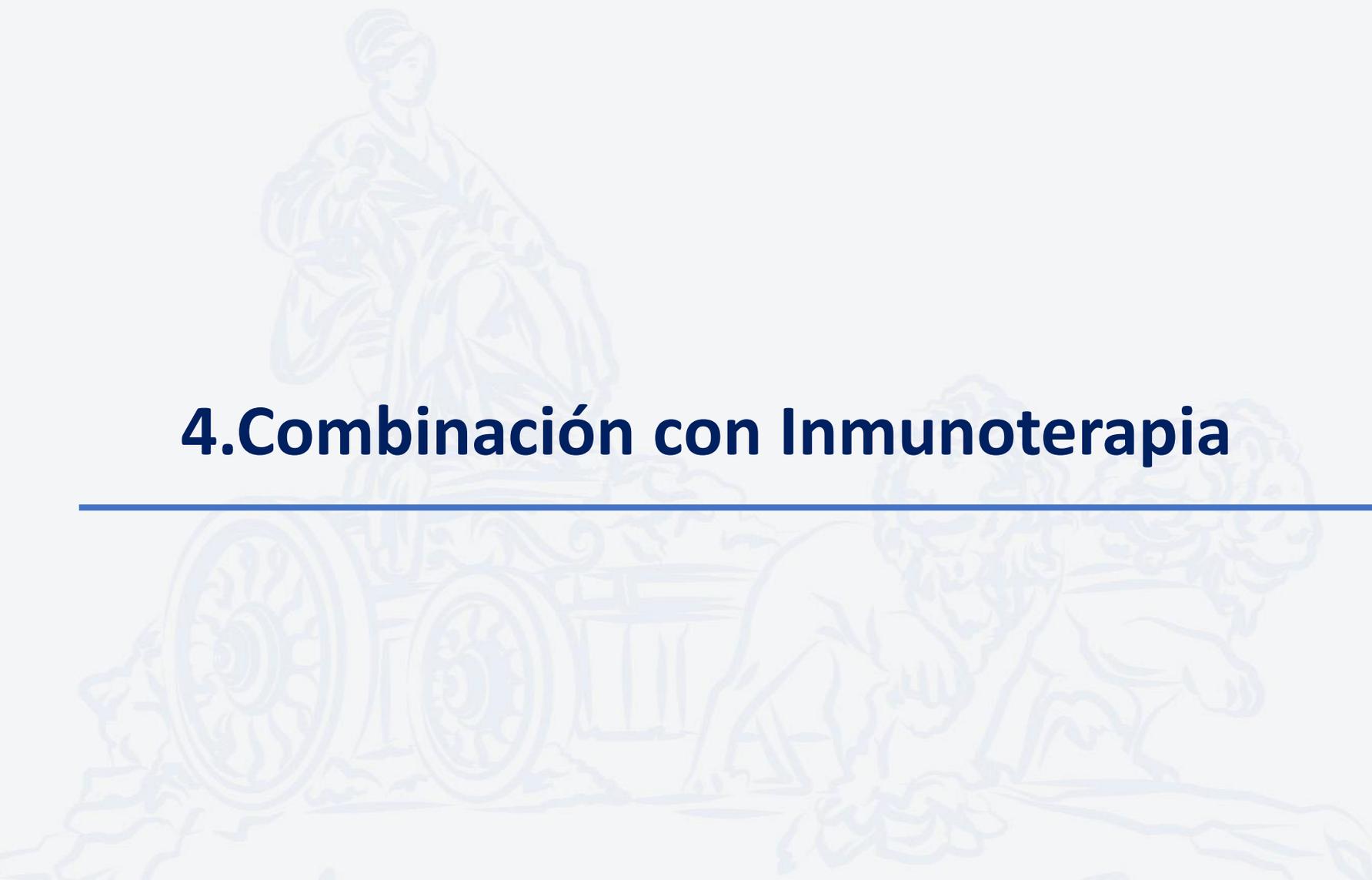
Tumor response and survival according to HER-2 expression changes (n=23)



- Her-2 loss after 1st line treatment was 8/23 (34.7%).
- There was no association of tumor response or survival according to Her-2 loss, suggesting Trastuzumab/Ramucirumab/Paclitaxel triplet regimen might cover various tumor clones.

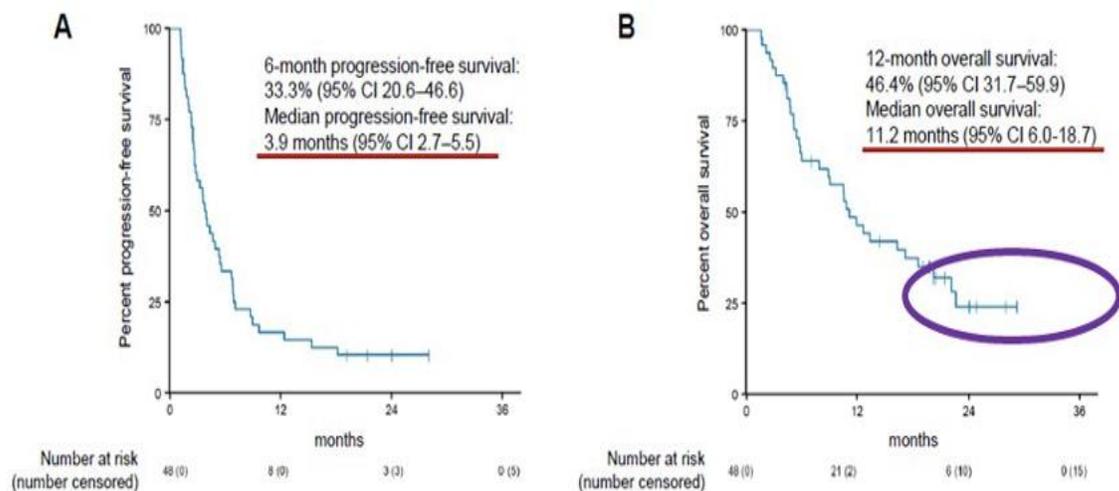


4. Combinación con Inmunoterapia

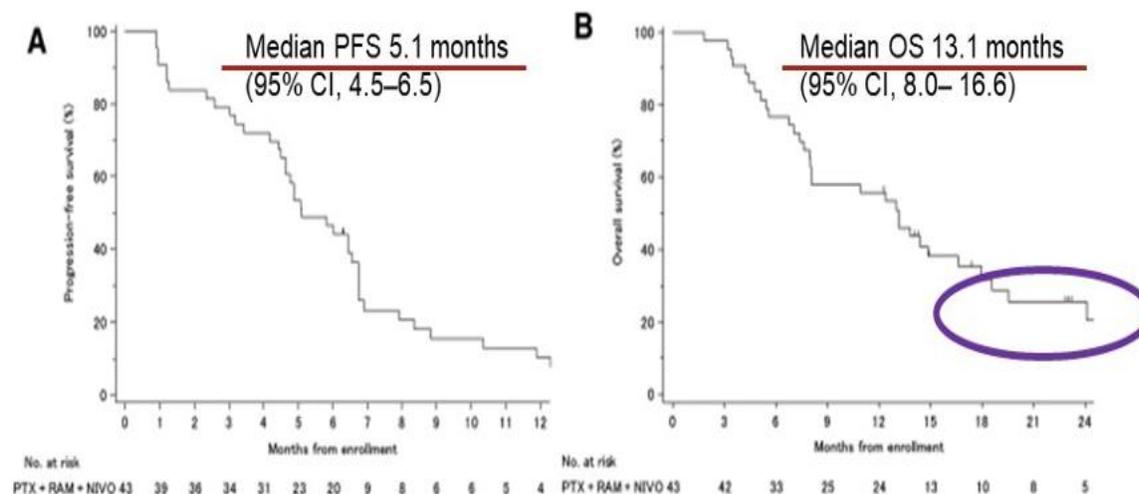


1. Fase II Combinación (triplete) Ramucirumab/nivolumab y paclitaxel muy prometedora (ASIÁTICOS)

phase I/II Paclitaxel + Nivolumab (n=48)



phase I/II Paclitaxel + **Ramucirumab** + Nivolumab (n=43)



Lee. AACR 2021

Nakajima TE. Clin Cancer Res. 2021 Feb 15;27(4):1029-1036.

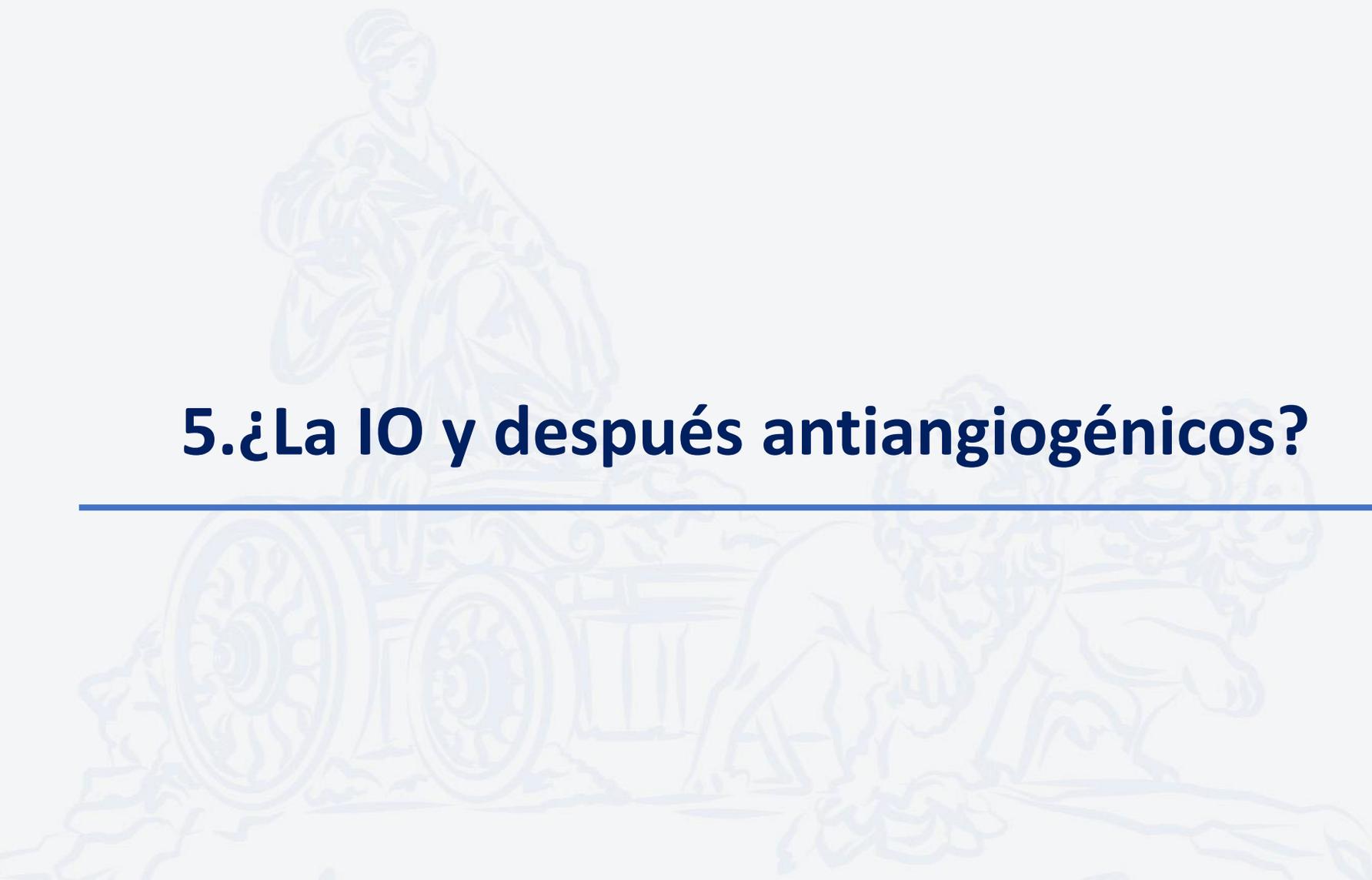
60% CPS ≥ 1

13.8 months (95% CI, 8.0-19.5 months) in patients with CPS ≥ 1

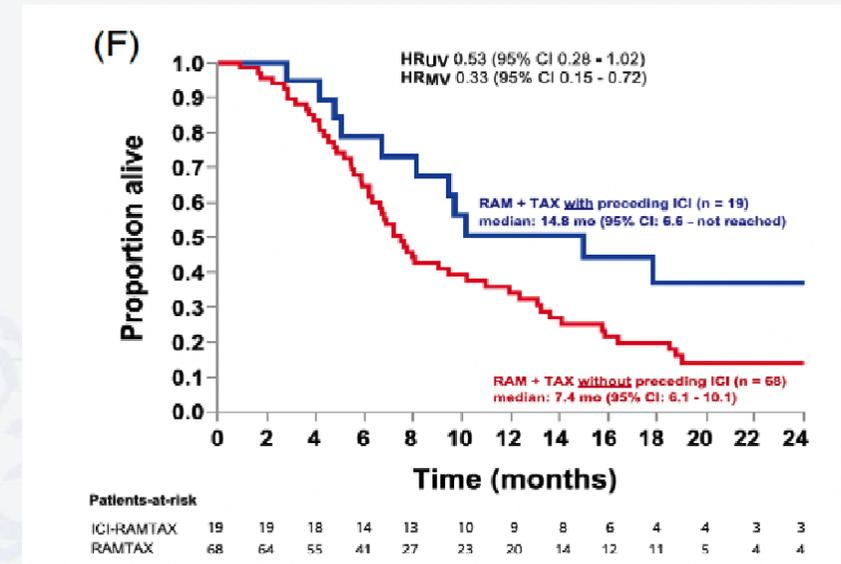
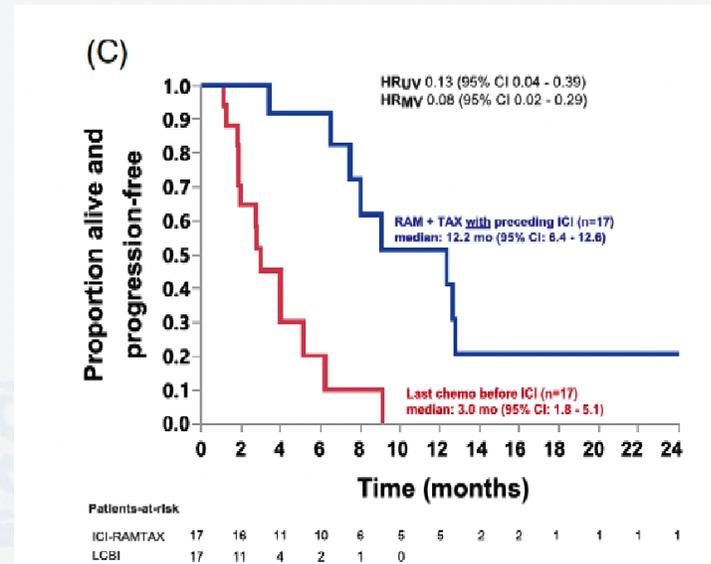
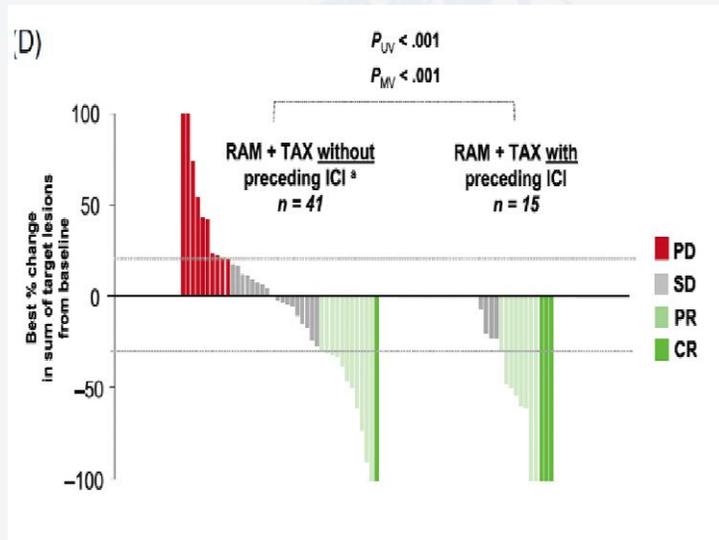
8.0 months (95% CI, 4.8-24.1 months) in patients with CPS < 1

ORR: 37.2%; DCR:83.7%

5.¿La IO y después antiangiogénicos?



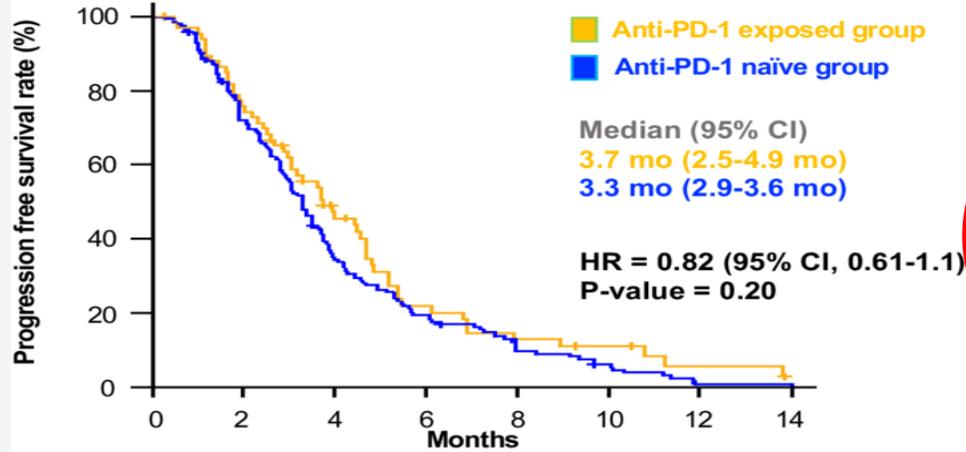
1. Análisis retrospectivo de casos (n:19 IC previa; n:41 no IO previa) mas RR 58%, PFS 12.2 ms, SG 14.8 ms



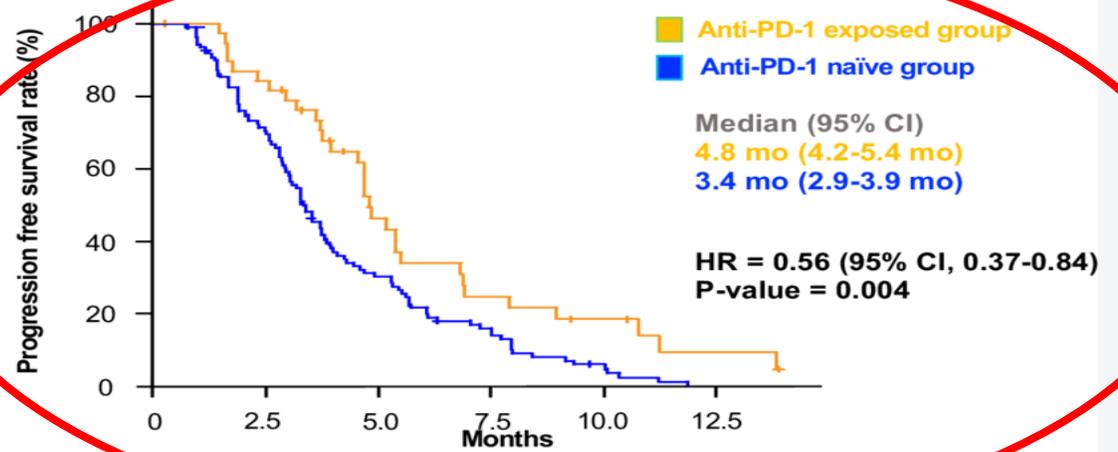
2. Análisis retrospectivo de casos el beneficio de IO previa "aplica " a todas las QT en respuesta pero en SLP Pacli/ramu

Table 2 Tumour responses			
	Anti-PD-1- exposed group	Anti-PD-1- naive group	P value
Overall population	n=56	n=138	
CR	0	0	
PR	25 (45.5%)	27 (19.6%)	
SD	20 (35.7%)	68 (49.3%)	
PD	10 (17.9%)	43 (31.2%)	
NE	1 (1.8%)	0 (0.0%)	
ORR (%)	44.6	19.6	0.001
DCR (%)	80.6	68.8	0.12
Taxanes+RAM	n=33	n=85	
CR	0	0	
PR	20 (60.6%)	17 (20.0%)	
SD	9 (27.3%)	40 (47.1%)	
PD	4 (12.1%)	28 (32.9%)	
ORR (%)	60.6	20.0	<0.001
DCR (%)	87.9	67.1	0.023

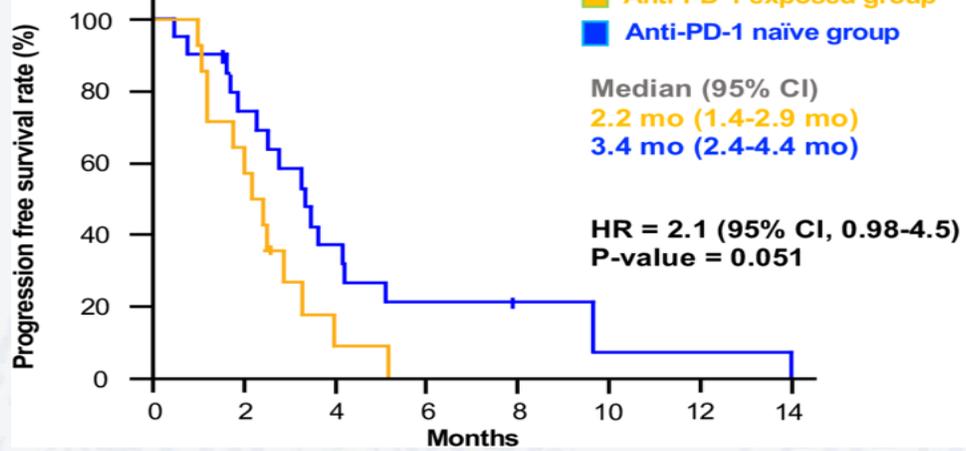
A. overall population



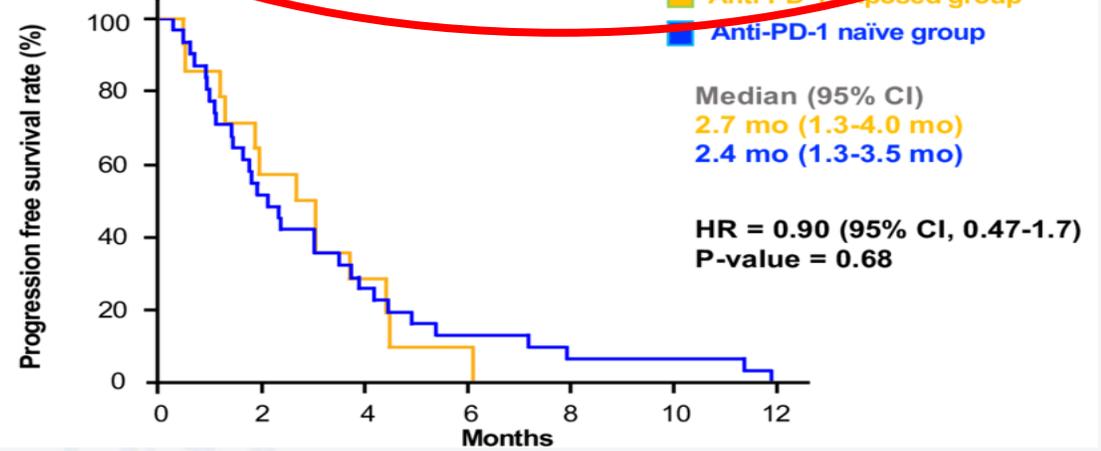
B. taxanes+RAM



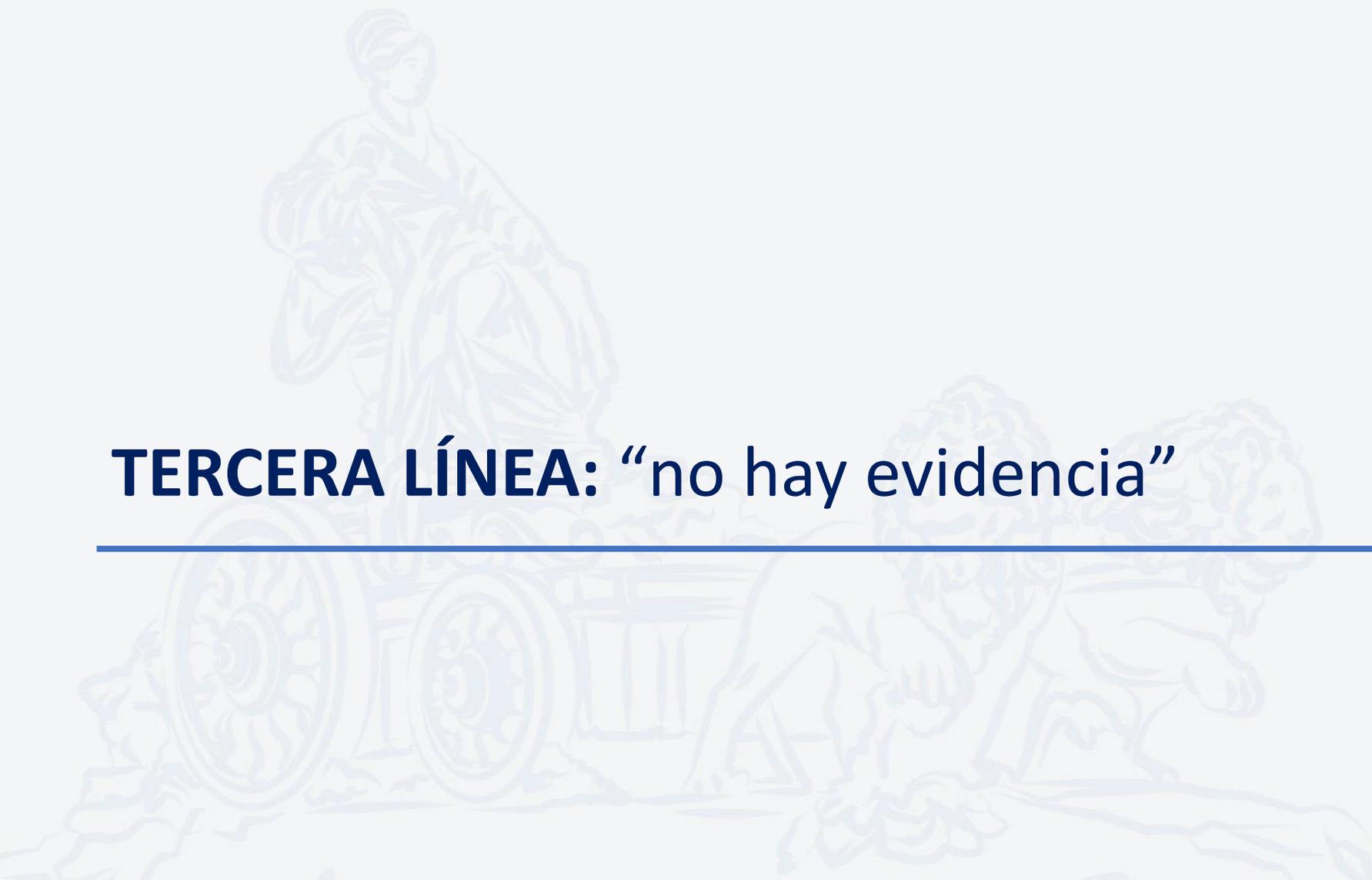
C. taxanes



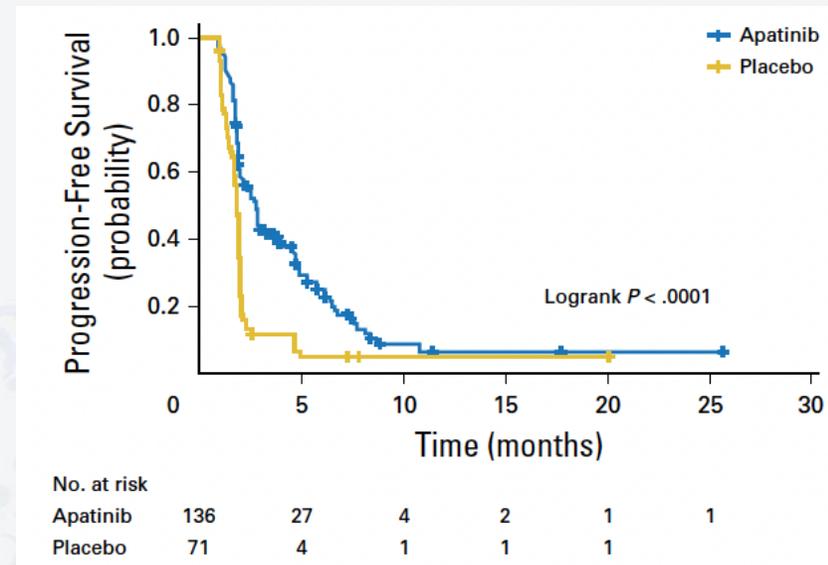
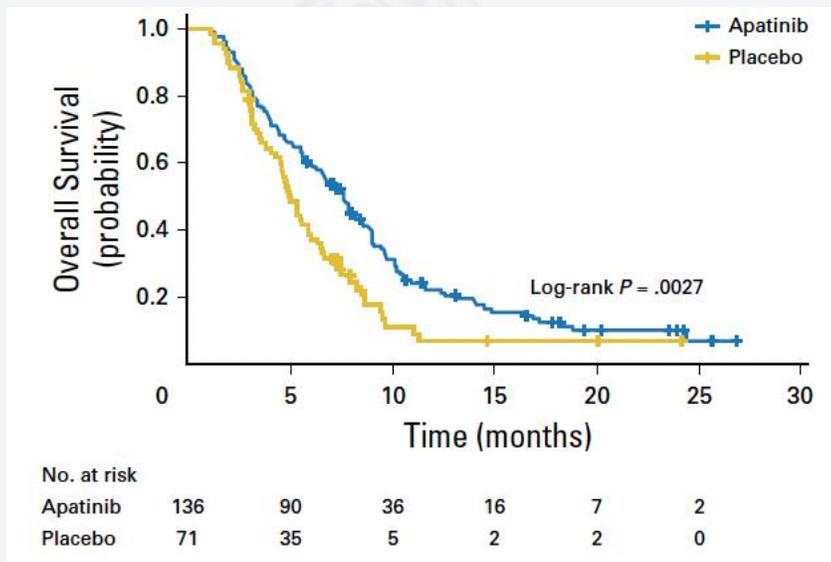
D. irinotecan



TERCERA LÍNEA: “no hay evidencia”



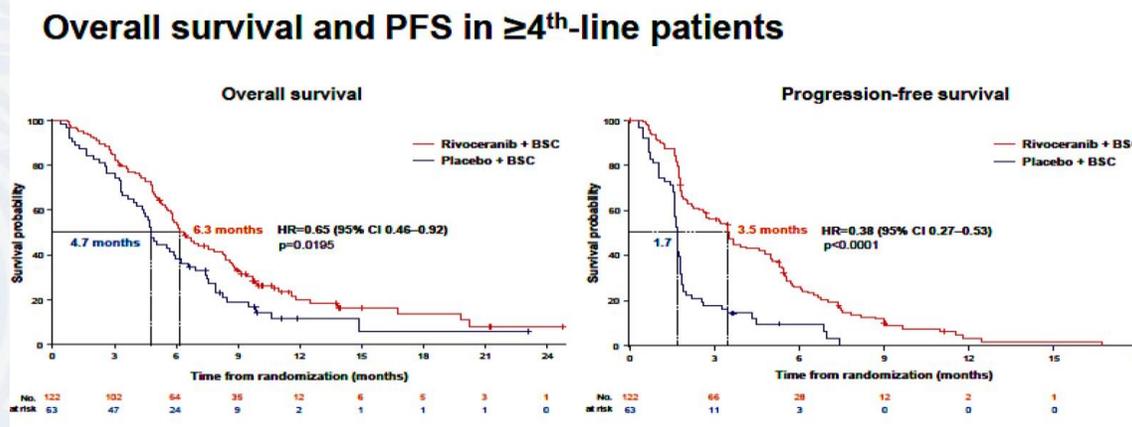
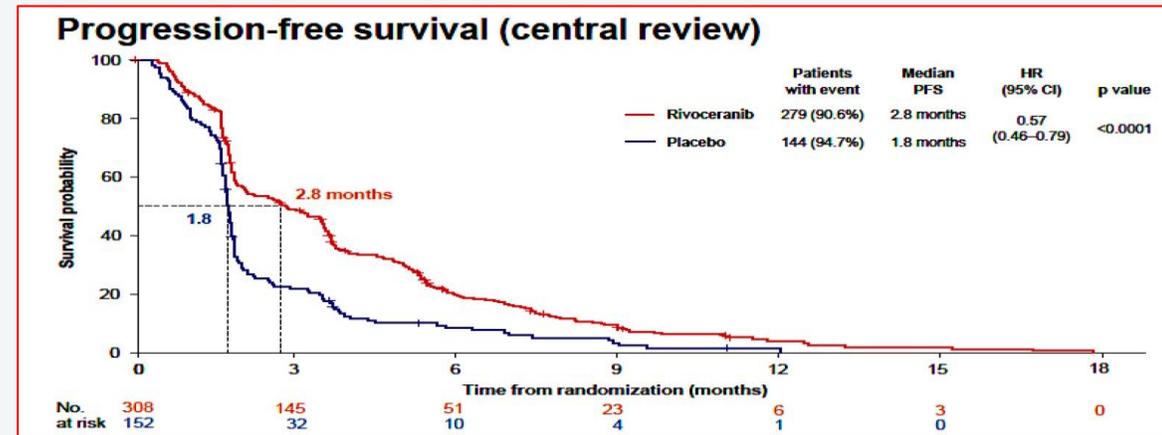
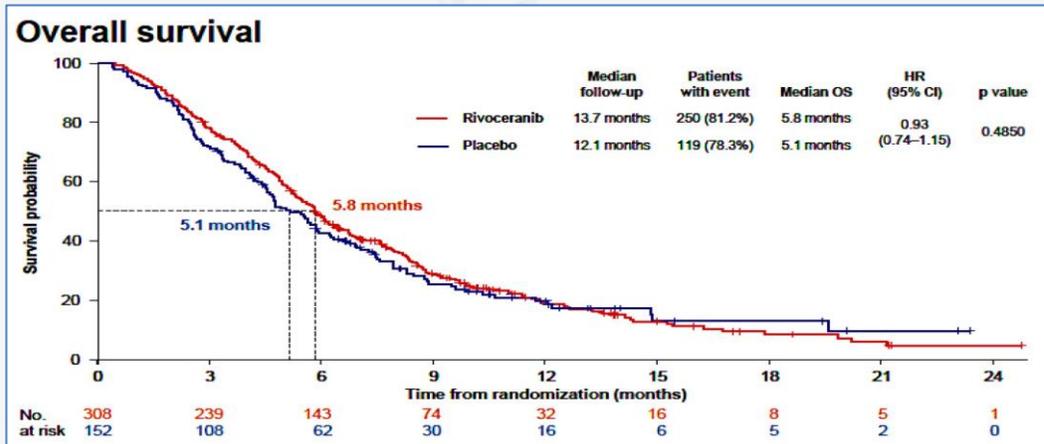
1. Apatinib (TKI anti VEGFR-2) es superior a placebo en población China (Fase III, n 267) en 3L o sucesivas



SG: 7.6 ms vs 5.0 ms

SLP 2.6 ms vs 1.8 ms

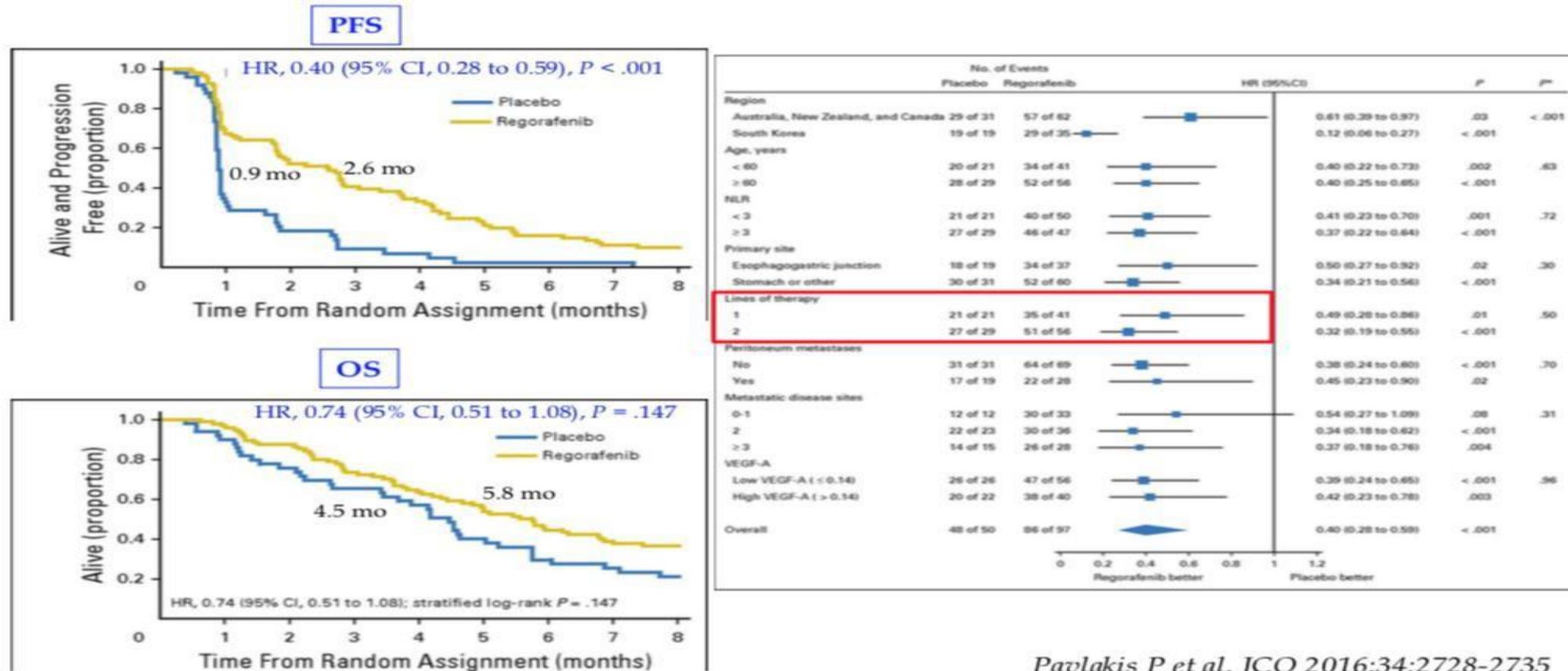
1. Rivoceranib - Apatinib (TKI anti VEGFR-2) Negativo en población global (Fase III ANGEL) en refractarios (n:369)



FUTURO

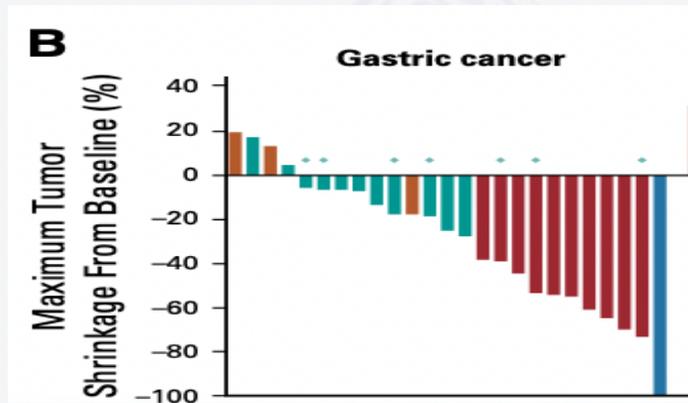


1. Regorafenib (TKI VEGFR 1-3) , Fase II frente a placebo (INTEGRATE), resultados prometedores.

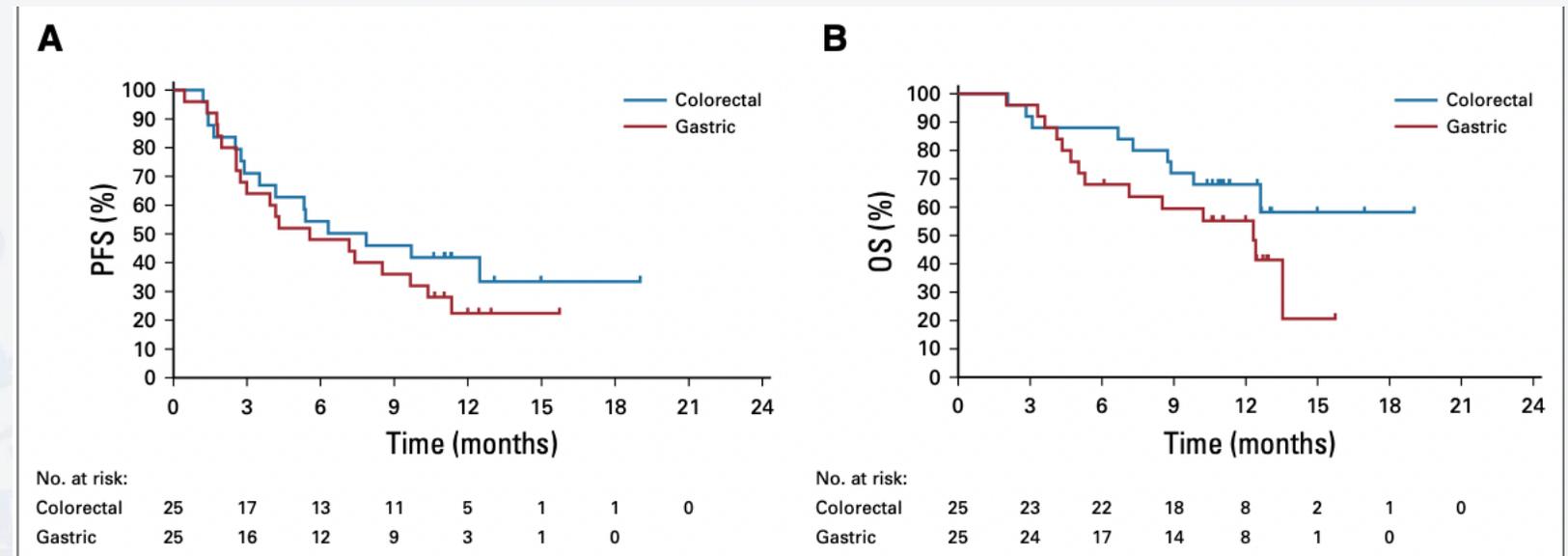


FUTURO: “Antiangiogénicos e Inmunomoduladores”

1. Regorafenib (TKI VEGFR 1-3) y Nivolumab (n:25) en refractarios (36% 3L y 64% 4L o sucesiva) (Asia)



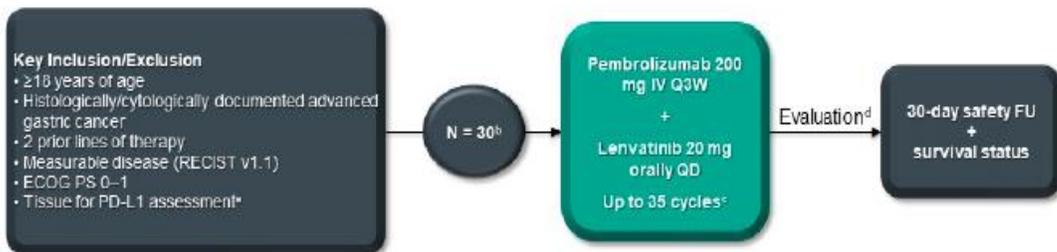
- SLP 5.6 meses
- SG 12.3 meses
- RR 44%



2. Lenvatinib (TKI VEGFR 1-3) y Pembrolizumab (n:31) en refractarios, LEAP 005

LEAP-005 (NCT03797326) Gastric Cancer Cohort

Chung MK-7902 LEAP-005 ASCO-GI 2021



Primary endpoints: ORR (RECIST v1.1, BICR)^a, safety/tolerability

Key secondary endpoints: DCR, DOR, PFS (RECIST v1.1, BICR)^a, OS

Response assessed Q9W until week 54; then Q12W until week 102; then Q24W thereafter

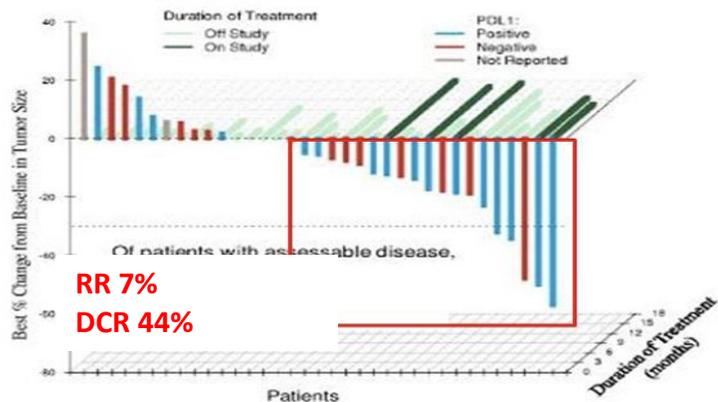
Antitumor Activity

	N = 31
ORR, % (95% CI)	10 (2–26)
DCR, ^a % (95% CI)	48 (30–67)
Best overall response, n (%)^b	
CR	1 (3)
PR	2 (6)
SD	12 (39)
PD	11 (35)
No assessment ^c	5 (16)
DOR, median (range), mo	NR (2.1+ to 2.3+)

- SLP 2.5 meses
- SG 5.9 meses
- RR 10%, Control 30%

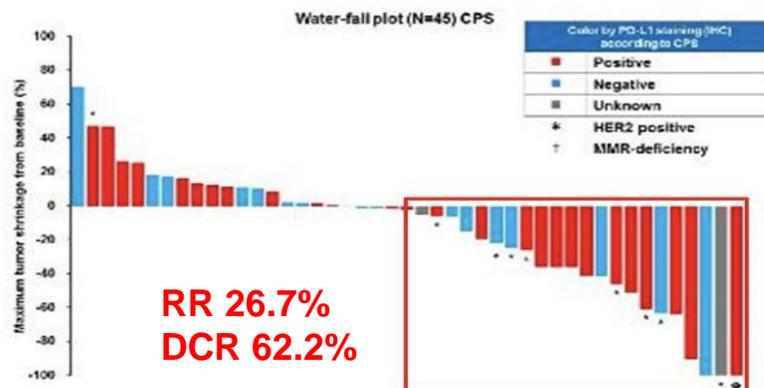
3. Actividad de Ramucirumab combinado con IO (Fase I, pocos pacientes)

Ph1 Pembrolizumab + Ramucirumab



N:41
Politratados

Ph1/2 Nivolumab + Ramucirumab

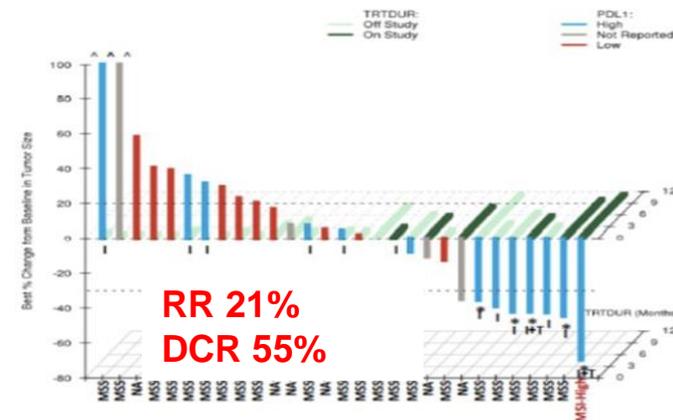


N:46

Table 3. Response, as confirmed per RECIST, and survival.

	All ¹ N = 28	PD-L1-Negative (CPS < 1) N = 6	PD-L1-Positive (CPS ≥ 1) N = 19	CPS ≥ 10 ² N = 10
Best overall response, n (%)				
Complete response	1 (4)	0	1 (5)	0
Partial response	6 (21)	1 (17)	5 (26)	4 (40)
Stable disease	12 (43)	3 (50)	7 (37)	4 (40)
Progressive disease	7 (25)	1 (17)	6 (32)	2 (20)
Not evaluable	2 (7)	1 (17)	0	0
Objective response rate, % (95% CI)	25 (10.7–44.9)	17 (0.4–64.1)	32 (12.6–56.6)	40 (12.2–73.8)
Disease control rate, % (95% CI)	68 (47.6–84.1)	67 (22.3–95.7)	68 (43.4–87.4)	80 (44.4–97.5)
Time to response, median months (95% CI)	2.7 (1.3–2.8)	2.8 (NC)	2.1 (1.3–9.8)	1.4 (1.3–2.8)
Duration of response, median months (95% CI)	NR (9.7–NC)	NR (NC)	NR (9.7–NC)	NR (9.7–NC)
Duration of stable disease, median months (95% CI)	5.6 (3.9–12.3)	5.1 (4.3–5.8)	8.6 (4.1–13.5)	5.0 (4.1–13.5)
Progression-free survival				
Number of events	20	4	14	8
Median duration, months (95% CI)	5.6 (2.7–11.5)	4.3 (2.4–NR)	8.6 (1.5–13.5)	8.3 (1.2–13.5)
6-month rate, % (95% CI)	42.9 (23.9–60.6)	20.8 (0.9–59.5)	52.6 (28.7–71.9)	50.0 (18.4–75.3)
12-month rate, % (95% CI)	30.3 (14.0–48.4)	20.8 (0.9–59.5)	35.5 (15.2–56.6)	30.0 (7.1–57.8)
18-month rate, % (95% CI)	20.8 (7.3–38.9)	20.8 (0.9–59.5)	22.2 (6.3–44.0)	20.0 (3.1–47.5)
Overall survival				
Number of events	17	3	11	5
Median duration, months (95% CI)	14.6 (5.4–27.7)	11.3 (2.4–NR)	17.3 (8.6–NR)	24.7 (5.4–NR)
6-month rate, % (95% CI)	69.4 (48.0–83.4)	62.5 (14.2–89.3)	77.8 (51.1–91.0)	90.0 (47.3–98.5)
12-month rate, % (95% CI)	54.0 (33.4–70.7)	41.7 (5.6–76.7)	66.7 (40.4–83.4)	80.0 (40.9–94.6)
18-month rate, % (95% CI)	40.9 (21.7–59.2)	41.7 (5.6–76.7)	48.1 (23.6–69.0)	57.1 (21.7–81.5)

Ph1 Durvalumab + Ramucirumab



N:29

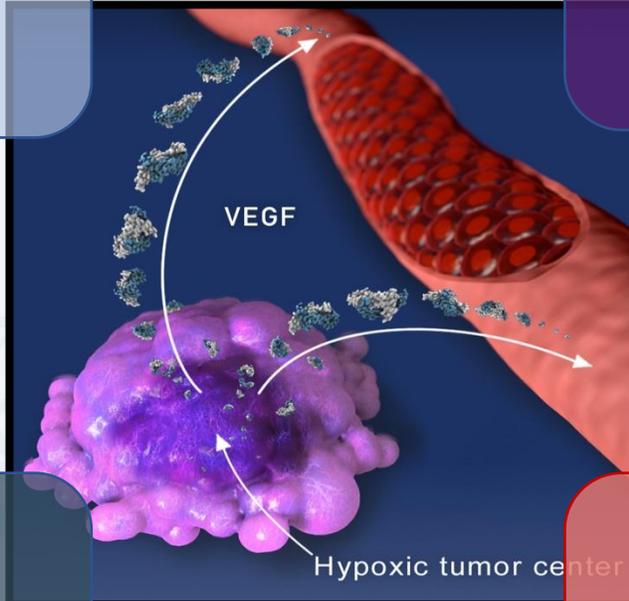
4. Combinaciones Futuras de Ramucirumab

+ inmunoterapia

- pembrolizumab - NCT02443324
- Nivolumab + paclitaxel -UMIN000025947
 - Durvalumab - NCT02572687.
- avelumab + paclitaxel - NCT03966118
- nivolumab + rucaparib – NCT0399017
- después de IO (SEQUEL) - NCT04069273

Otros (dianas, TKIs)

- TAS102 NCT03686488 / NCT04660760
- lpatasertib - NCT04739202



+ QT

- FOLFIRI (RAMIRIS) - NCT03081143
 - irinotecan - NCT03141034
 - Docetaxel - jRCTs011200010
- Oraxol (Paclitaxel and P-gpi) -NCT02970539
 - FLOT (RAMSES) -NCT02661971

HER2+

- trastuzumab + paclitaxel (HER-RAM) - NCT04888663
- tucatinib + trastuzumab + paclitaxel (Mountaineer-02) - NCT04499924

- Los antiangiogénicos no han demostrado beneficio en “occidente” en 1L y 3L
- Su lugar es 2L
 - Resultados reproducibles en estudio vida real
 - Nuevas combinaciones: FOLFIRI/irinotecán en estudio
 - Beneficio en Her 2 +++
 - Beneficio combinando triple terapia
- **Futuro:**
 - TKI+ Inmunomoduladores
 - Antiangiogénicos+ Inmunomoduladores

XXIV

SIMPOSIO DE REVISIONES EN CÁNCER

“Tratamiento médico del cáncer en el año 2022”

Gracias

