



Choice of first-line therapy for Advanced HCC.

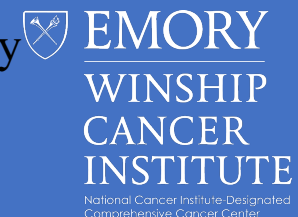
2025 Debates and Didactics

Haematology and Oncology

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Disclosures and Disclaimers

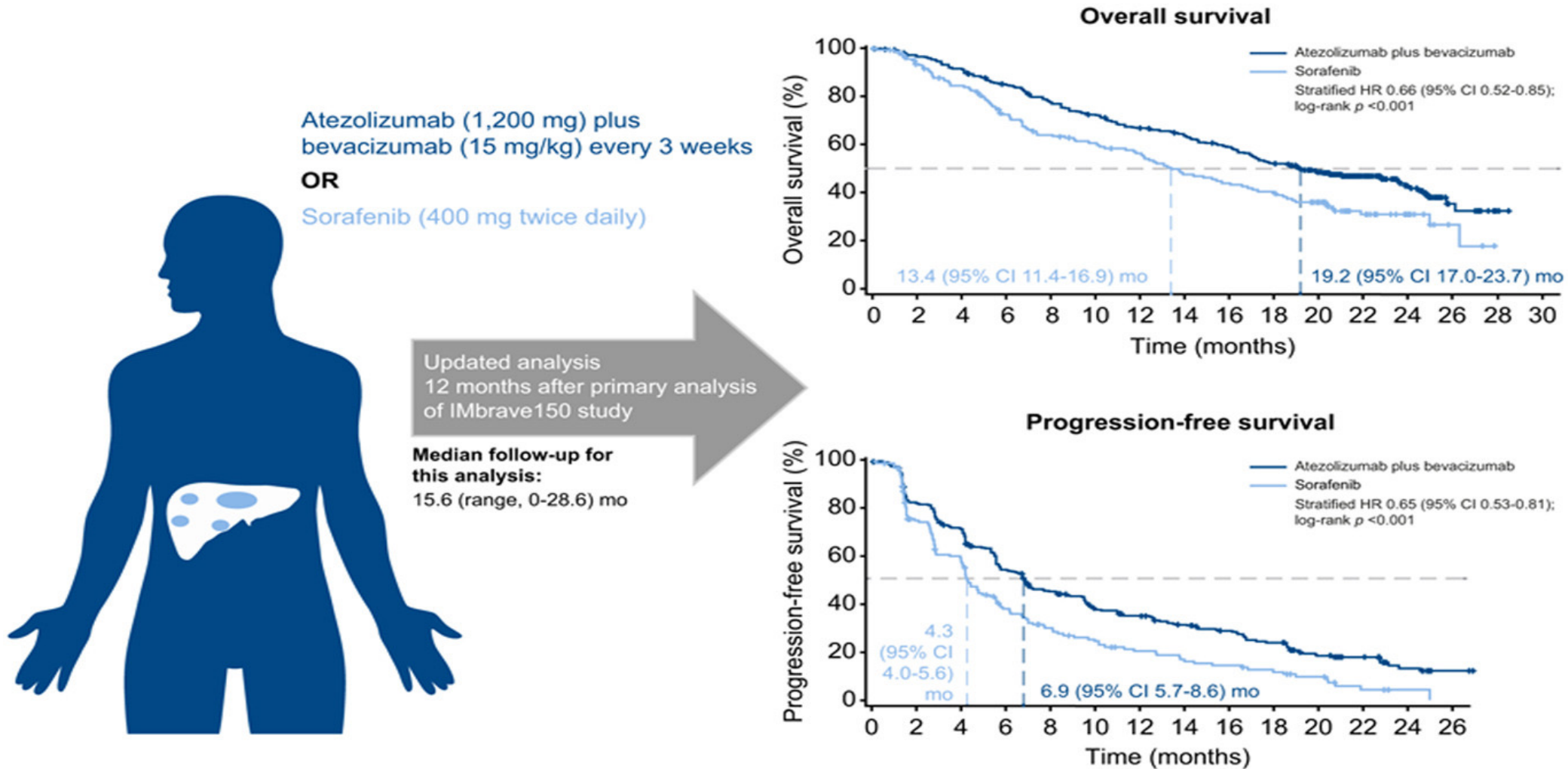
Advisory role: Boston Scientific, Jazz, JnJ. AstraZeneca, Ipsen

Research Support: AstraZeneca, Astella Pharmaceuticals, Ipsen, Merck, Eisai, Jazz, SeaGen, Roche

No off- label uses of drugs will be presented.

Brave New World: IMBRAVE150 changed the paradigm.

IMbrave150: Atezolizumab plus bevacizumab versus sorafenib in patients with unresectable HCC



Confirmed objective response rate: 30% with atezolizumab plus bevacizumab, 11% with sorafenib



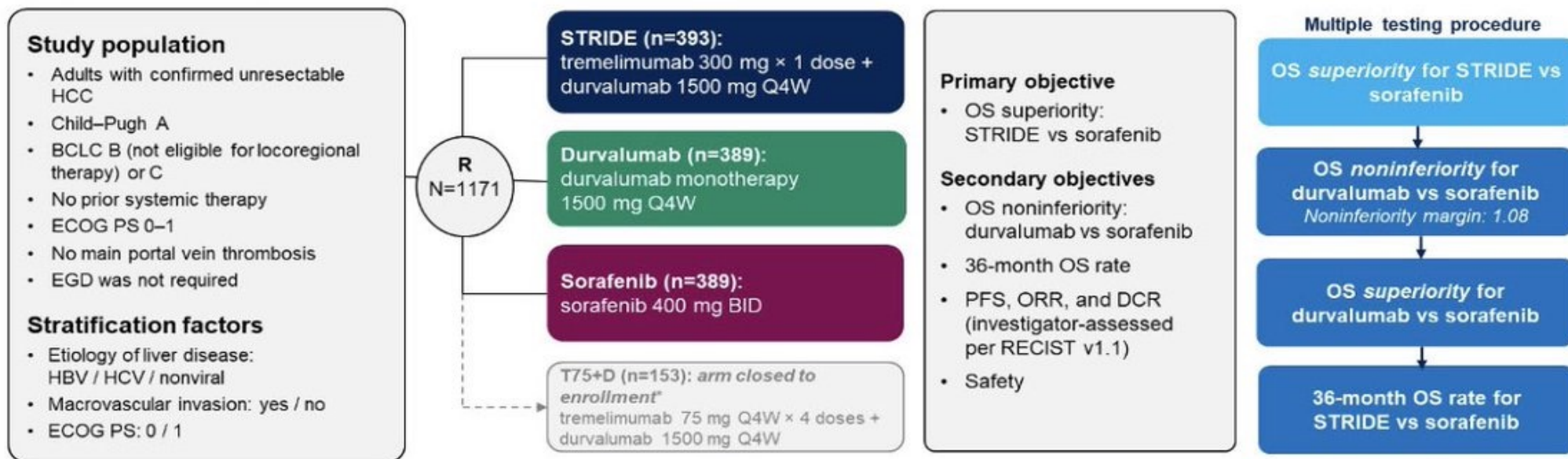
In defense of IO +IO in HCC



Marching forward with STRIDE

HIMALAYA study design

HIMALAYA is an open-label, multicenter, global, Phase 3 trial¹

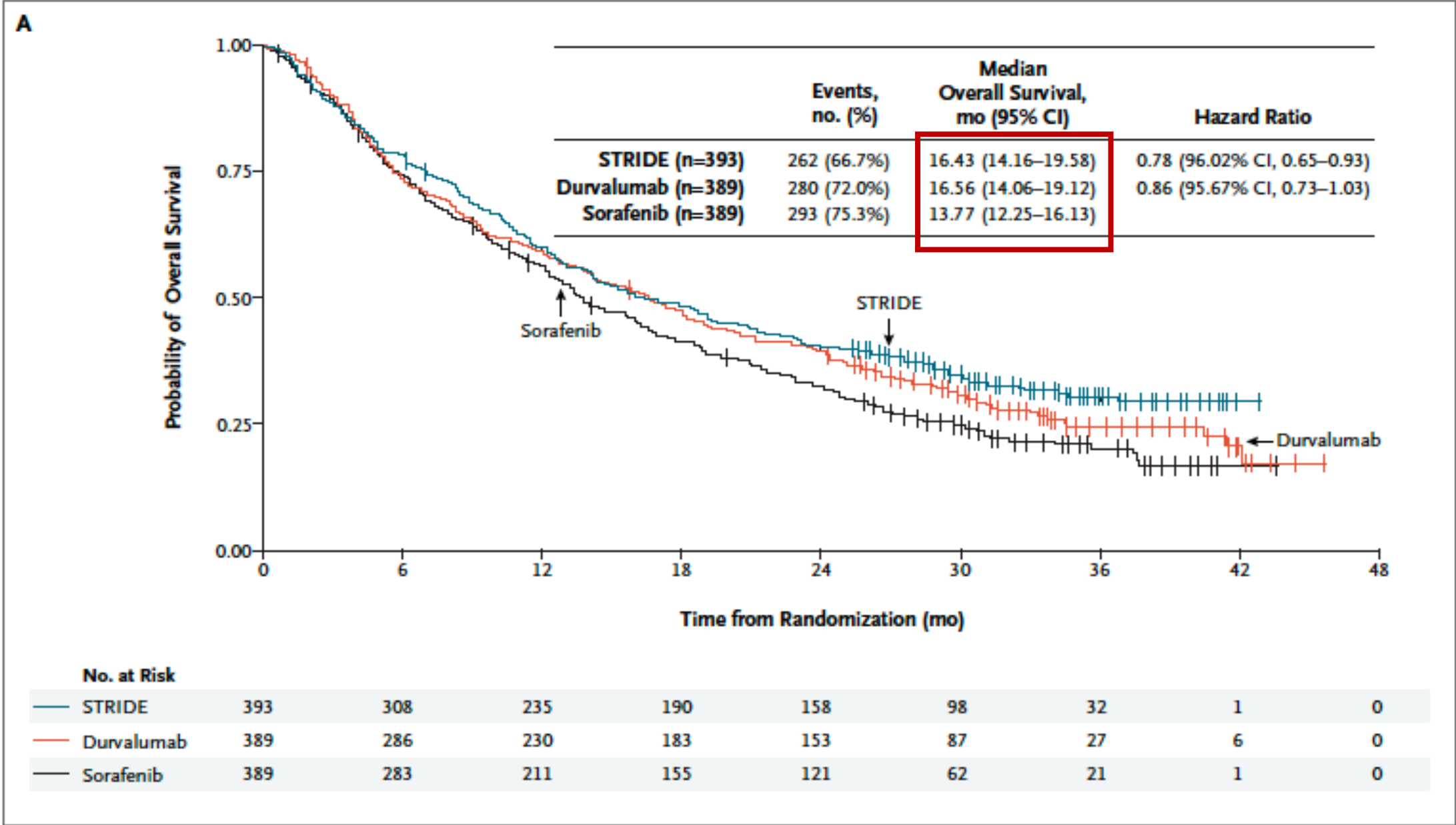


*The T75+D arm was closed to enrollment following a preplanned analysis of a Phase 2 study. Participants randomized to this arm (n=153) could continue treatment following arm closure. Results from this arm are not reported in this presentation.

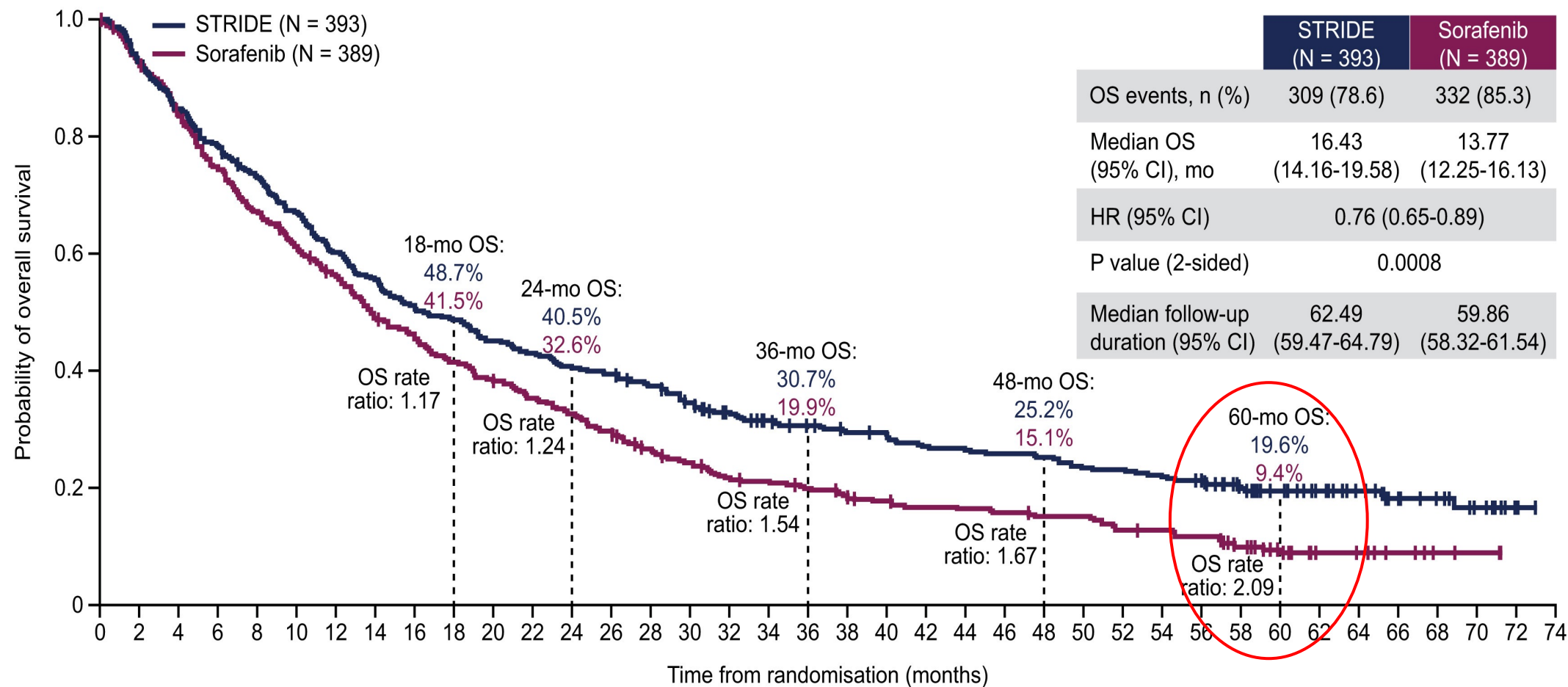
BCLC, Barcelona Clinic Liver Cancer; BID, twice a day; DCR, disease control rate; ECOG, Eastern Cooperative Oncology Group; EGD, esophagogastroduodenoscopy; HBV, hepatitis B virus; HCC, hepatocellular carcinoma; HCV, hepatitis C virus; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; PS, performance status; Q4W, every 4 weeks; R, randomized; RECIST, Response Evaluation Criteria in Solid Tumors; T75+D, tremelimumab 75 mg Q4W × 4 doses + durvalumab 1500 mg Q4W.

1. Abou-Alfa GK, et al. *NEJM Evid* 2022;1:EVIDoa2100070.

STRIDE regimen improves survival in HCC



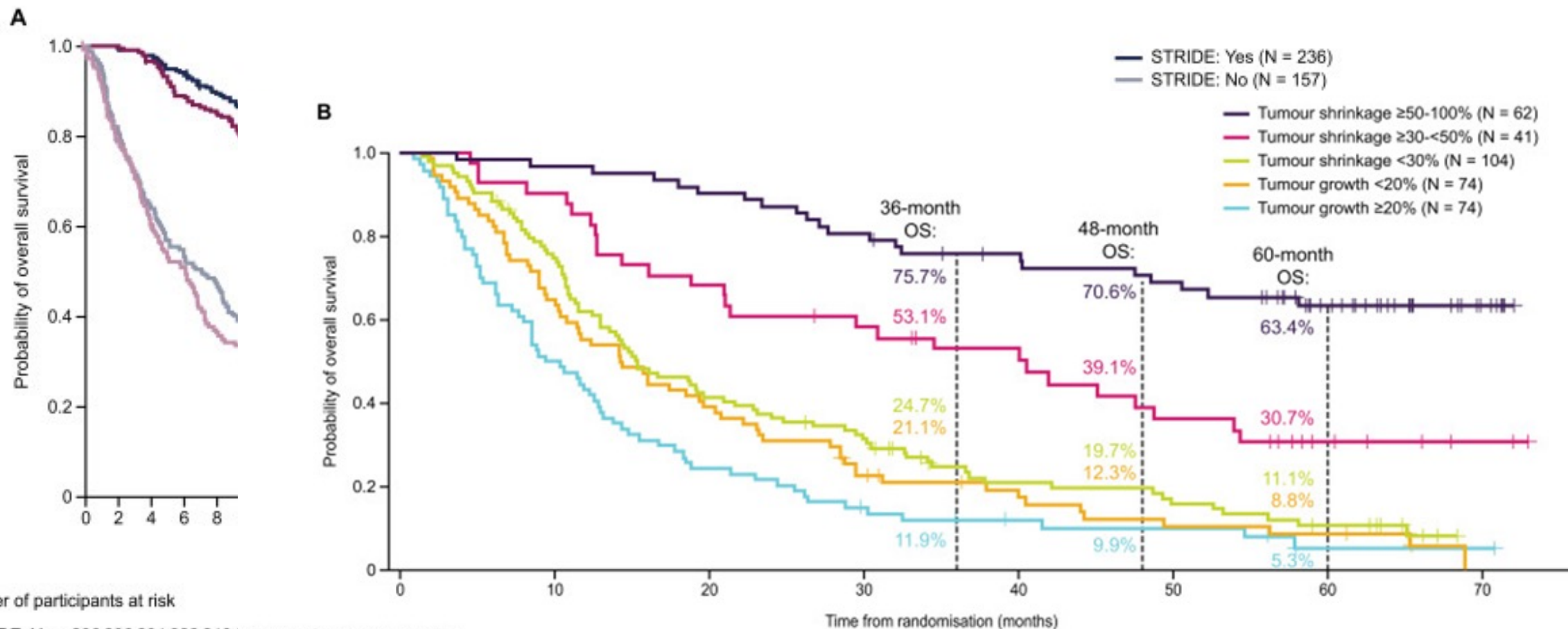
Marching forward with STRIDE: the tale of the tail



Number of participants at risk

STRIDE	393	365	333	308	285	262	235	217	197	190	176	168	158	154	144	131	118	110	104	98	95	89	87	85	83	77	76	72	68	56	46	40	32	20	15	9	2	0
Sorafenib	389	356	319	283	255	231	211	183	170	155	142	131	121	108	93	84	74	71	66	58	55	51	50	48	45	45	38	37	34	25	18	10	9	6	3	2	0	0

Marching forward with STRIDE: Response Matters

Number of participants at risk

STRIDE: Yes	236	236	231	222	210	Number of participants at risk	
STRIDE: No	157	129	102	86	75	Tumour shrinkage	
Sorafenib: Yes	236	236	227	209	201	≥50-100%	62
Sorafenib: No	153	120	92	74	54	Tumour shrinkage	
						≥30-<50%	41
						Tumour shrinkage	
						<30%	104
						Tumour growth	
						<20%	74
						Tumour growth	
						≥20%	74



In defense of IO +IO in HCC

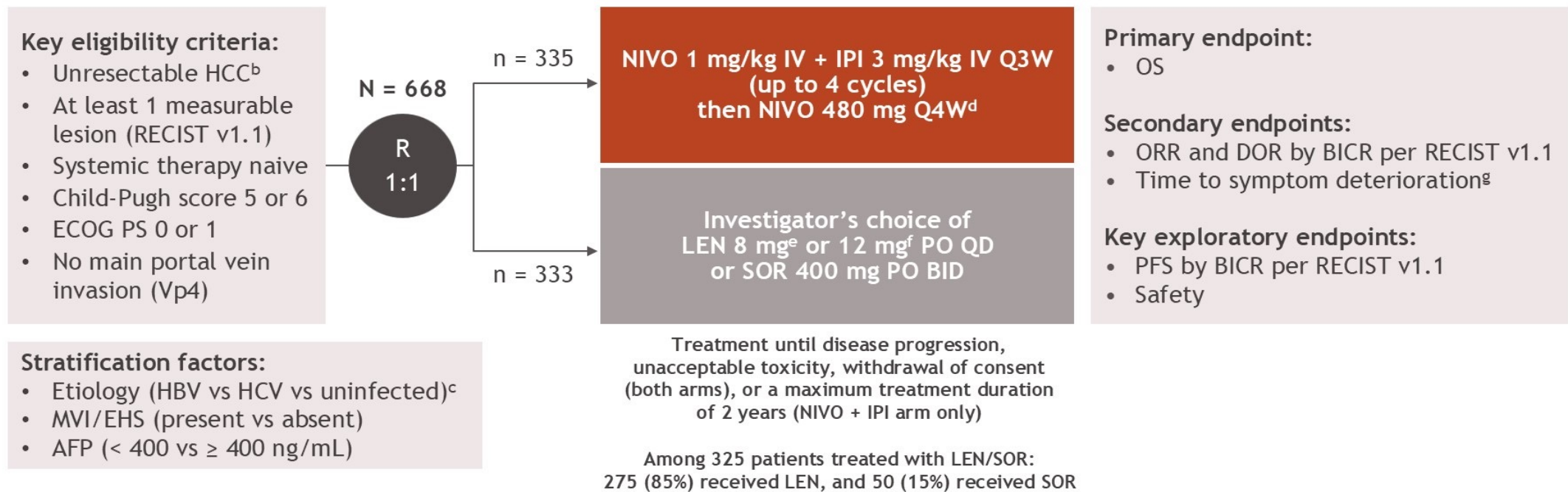


CheckMate with Ipi(3) and Nivo (1)

CheckMate 9DW

CheckMate 9DW study design

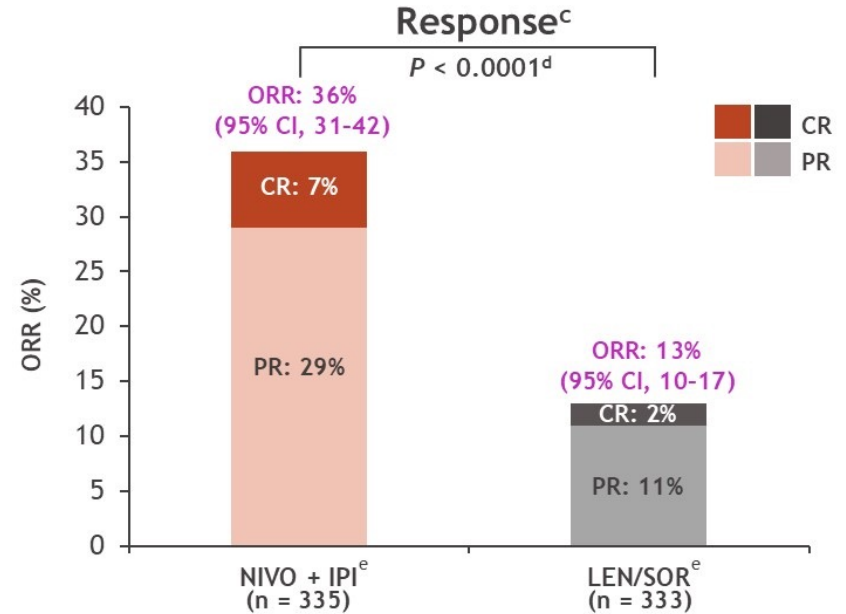
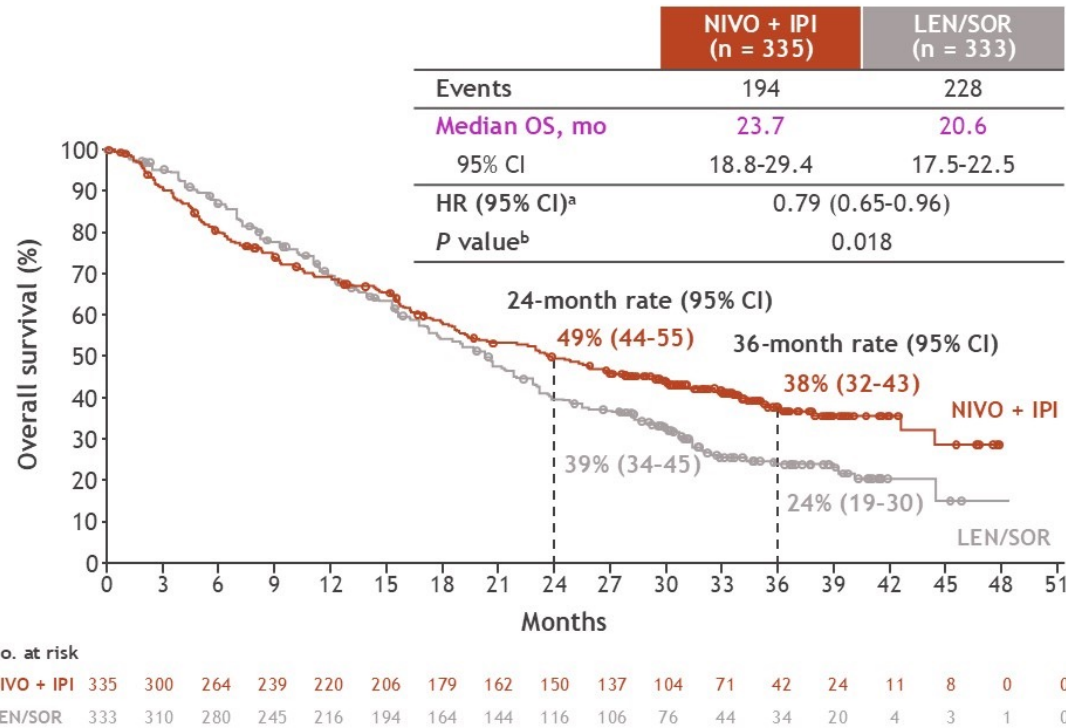
- CheckMate 9DW is a global, phase 3, randomized, open-label study of NIVO in combination with IPI compared with LEN or SOR as 1L treatment in patients with unresectable HCC^a



- At data cutoff (January 31, 2024), median (range) follow-up^h was 35.2 (26.8-48.9) months

^aClinicalTrials.gov: NCT04039607. ^bDisease not eligible for, or progressive disease after, curative surgical and/or locoregional therapies. ^cBased on central lab serology results for stratification purpose. ^dMinimum of 1 dose of NIVO + IPI is required before proceeding to NIVO monotherapy. ^eIf body weight < 60 kg. ^fIf body weight ≥ 60 kg. ^gHCS subscale score of the FACT-Hep. ^hTime between randomization date and cutoff date.

Overall survival, response, and duration of response



Median TTR (range), ^f mo	2.2 (1.1-11.6)	3.7 (0.6-11.2)
Median DOR (95% CI), ^f mo	30.4 (21.2-NE)	12.9 (10.2-31.2)

- Statistically significant and clinically meaningful OS benefit with NIVO + IPI vs LEN/SOR, with higher OS rates at 24 and 36 months
- Statistically significant and clinically meaningful improvement in ORR by BICR^c with NIVO + IPI vs LEN/SOR, with a higher CR rate and durable responses

Median (range) follow-up, 35.2 (26.8-48.9) months. ^aHR and 95% CI from stratified Cox proportional hazard model. Symbols represent censored observations. ^bTwo-sided P value from stratified log-rank test.

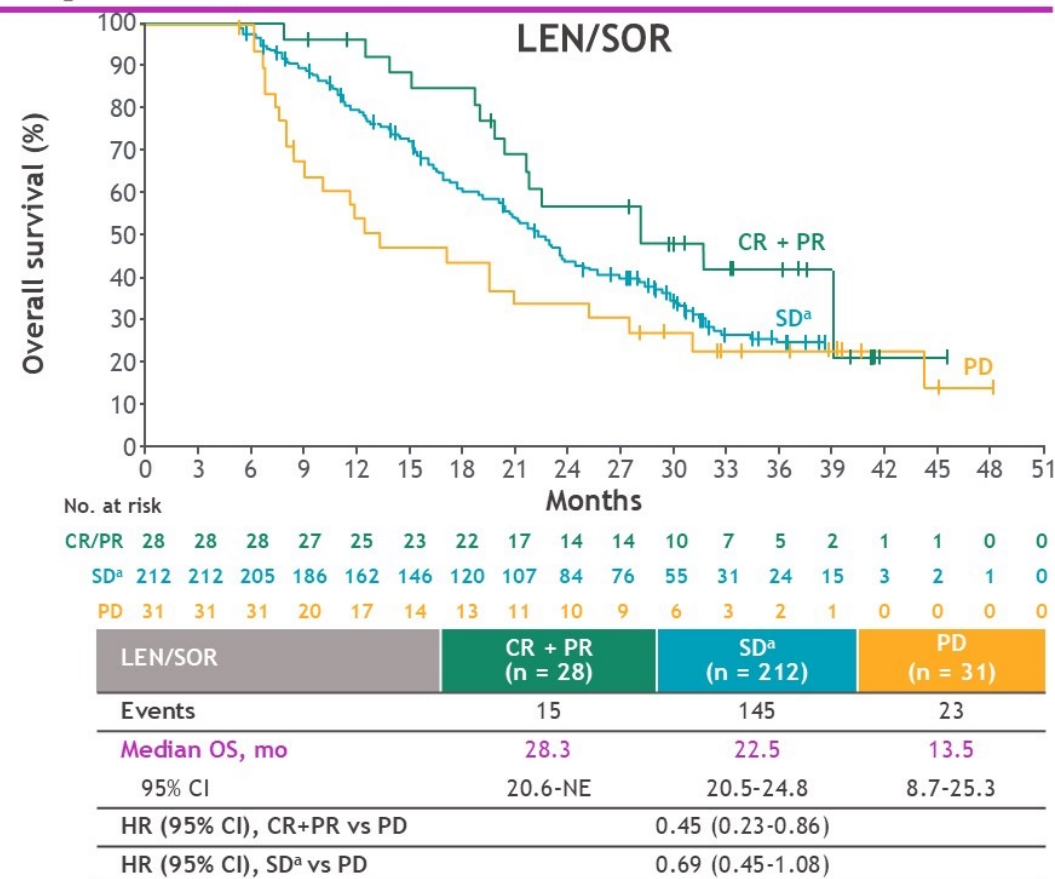
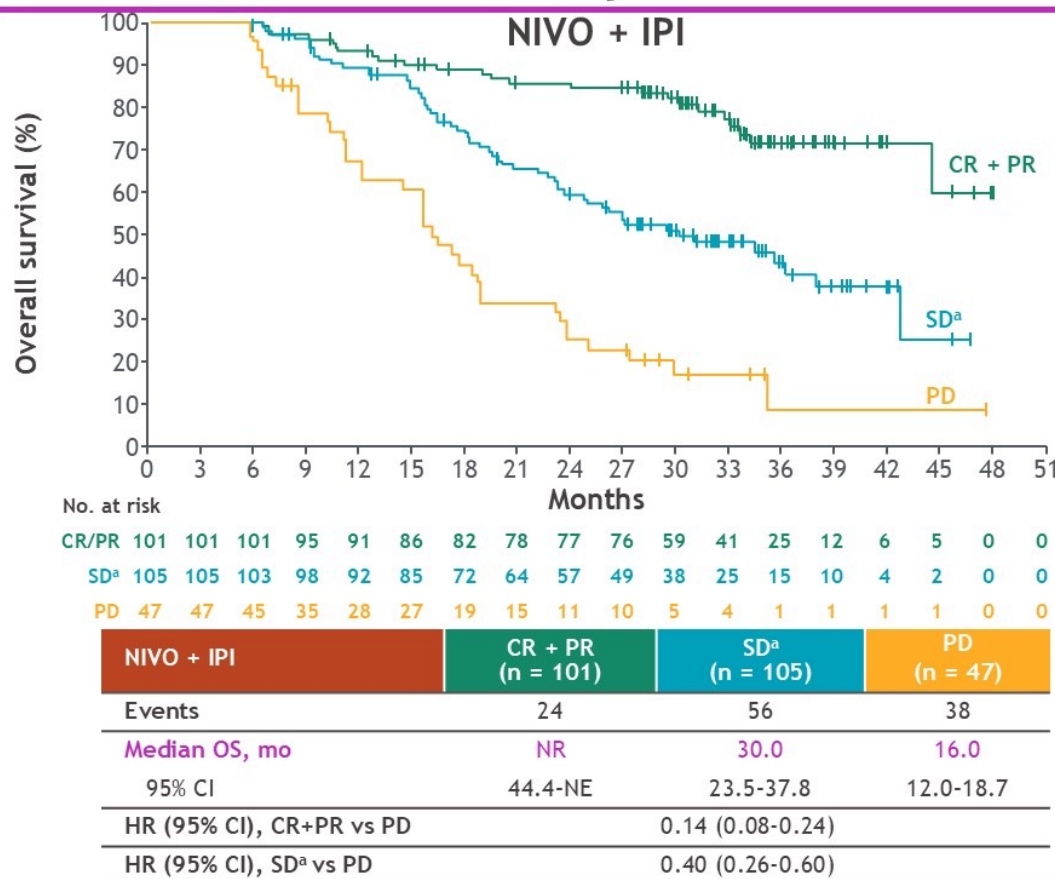
Boundary for statistical significance: P value ≤ 0.0257. ^cAssessed by BICR based on RECIST v1.1. ^dTwo-sided P value from stratified Cochran-Mantel-Haenszel test. Boundary for statistical significance: P value ≤ 0.025.

^ePercentage with BOR of SD (includes non-CR/non-PD, which refers to patients with persistence of 1 or more non-target lesion[s]): NIVO + IPI, 32%; LEN/SOR, 62%. Percentage with BOR of PD: NIVO + IPI, 20%; LEN/SOR, 14%. ^fIn confirmed responders (NIVO + IPI: n = 121; LEN/SOR: n = 44).

CheckMate 9DW: Again, response matters

CheckMate 9DW

Overall survival by best overall response at 24-week landmark



- In both treatment arms, objective response by BICR^b was associated with improved OS outcomes
 - NIVO + IPI: The HR for CR or PR versus PD was 0.14 and for SD versus PD was 0.40
 - LEN/SOR: The HR for CR or PR versus PD was 0.45 and for SD versus PD was 0.69

Median (range) follow-up, 35.2 (26.8-48.9) months. Symbols represent censored observations. ^aIncludes non-CR/non-PD. Non-CR/non-PD refers to patients with persistence of 1 or more non-target lesion(s). ^bBased on RECIST v1.1.

Trial & Regimen	ORR (%)	DOR(months)	PFS (mo) [HR, 95% CI]	OS (mo) [HR, 95% CI]
REFLECT Lenvatinib vs Sorafenib	24.1% vs 9.2%	18.1	7.4 vs 3.7 mo (0.66 [0.57– 0.77])	13.6 vs 12.3 mo (0.92 [0.79– 1.06])
IMbrave150 Atezo+ Bev vs Sorafenib	30% vs 11%	18.1 vs 14.9	6.9 vs 4.3 mo (0.65 [0.53– 0.81])	19.2 vs 13.4 mo (0.66 [0.52– 0.85])
HIMALAYA Trem + Durv vs Sorafenib	20.1% vs 5.1%	22.3 mo vs 18.4 mo	3.78 vs 4.07 mo (0.90 [0.77– 1.05])	16.4 vs 13.8 mo (0.78 [0.65– 0.93])
CheckMate-9DW Nivo + Ipil vs Sor/Len	36% (7% CR)	30.4 mo	9.1 vs 9.2 mo (0.87)	23.7 vs 20.6 mo (0.79)

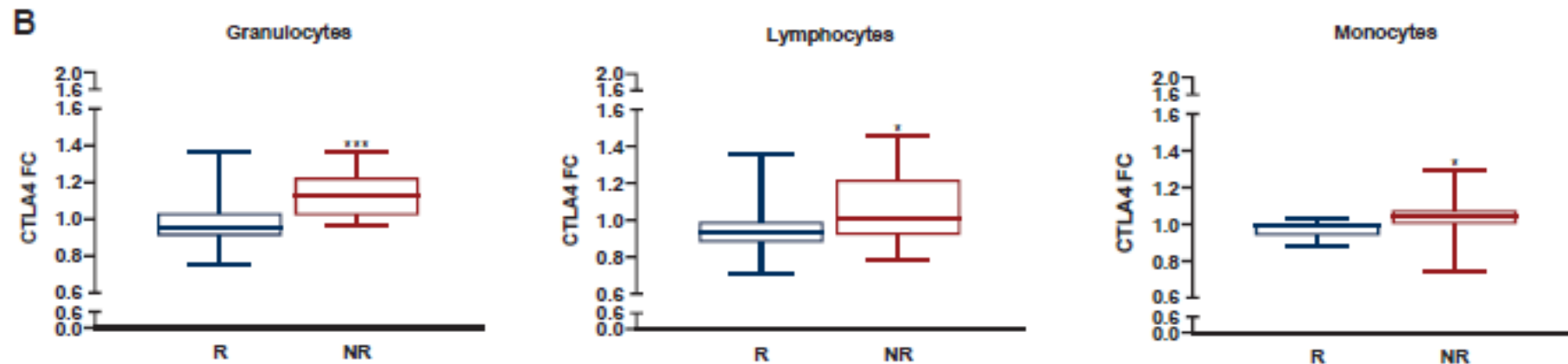
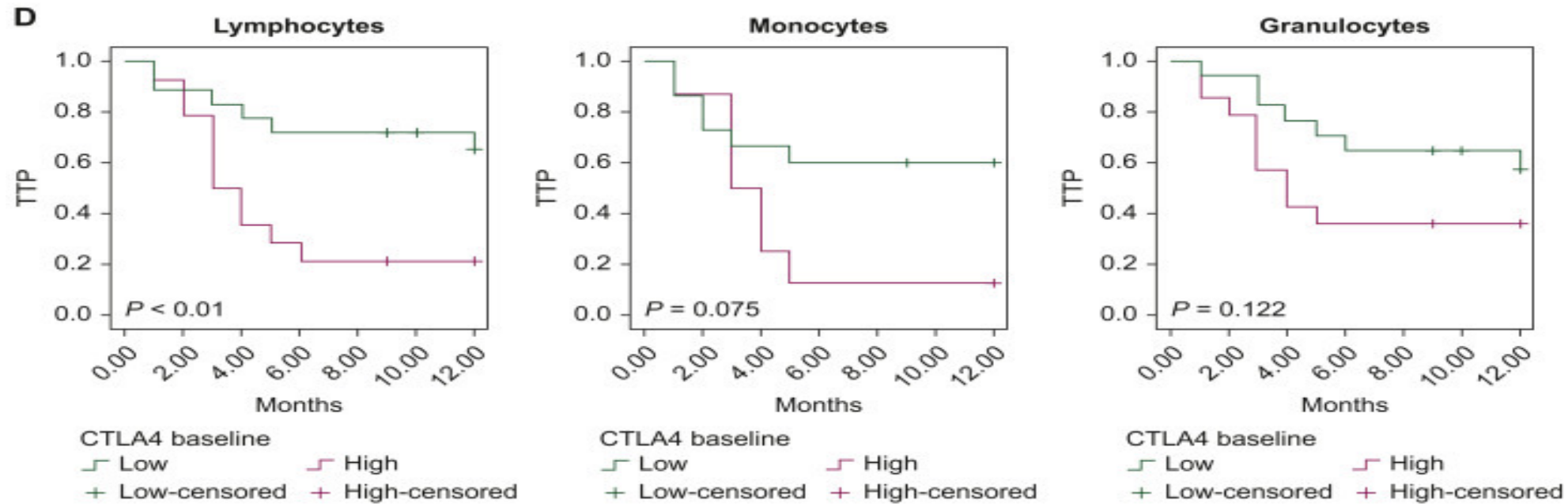
How do we make sense of these?

ORIGINAL ARTICLE

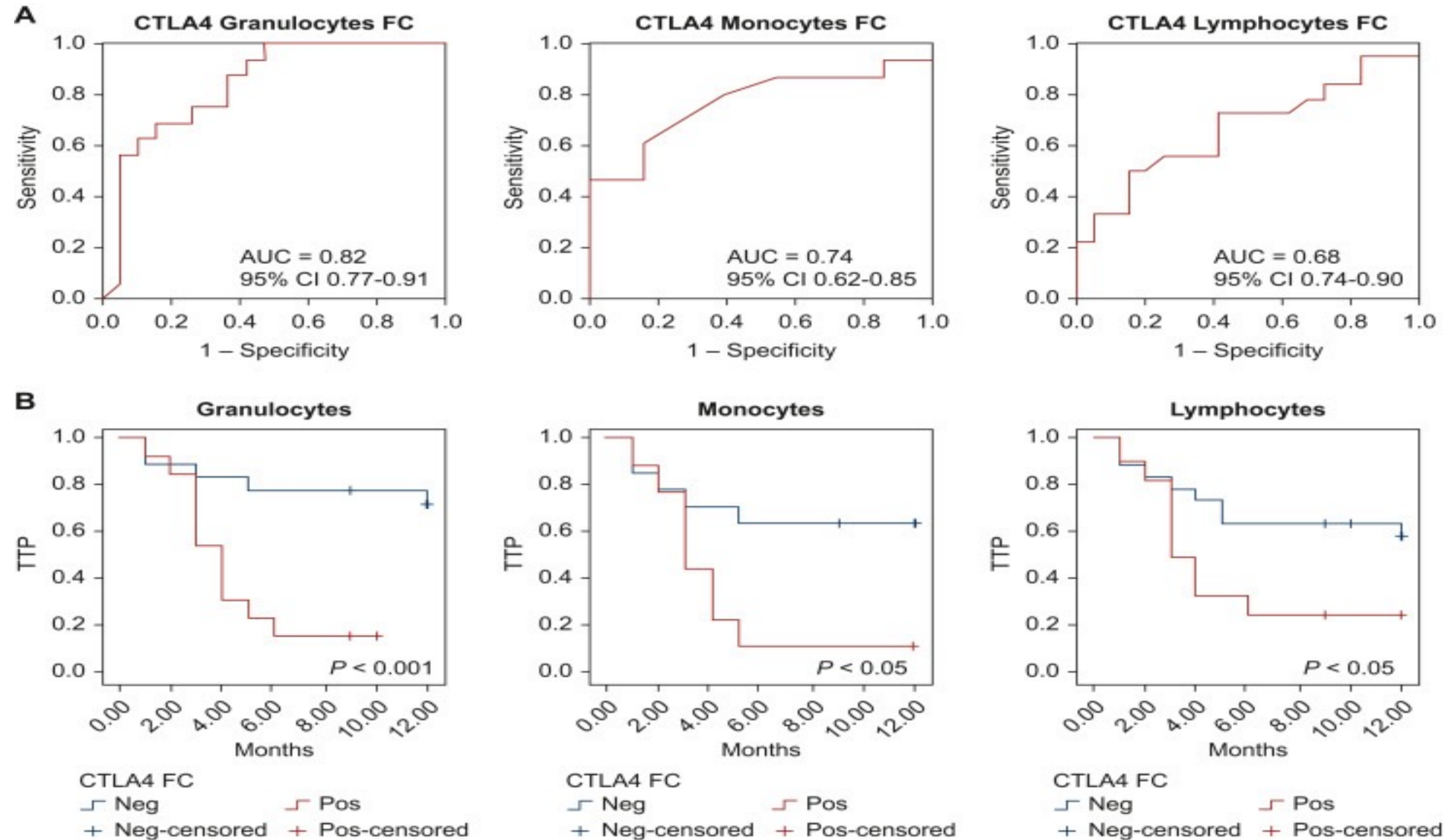
Early CTLA4 increase in CD45⁺ blood cells: an emerging biomarker of atezolizumab—bevacizumab resistance and worse survival in advanced hepatocarcinoma

L. Gramantieri^{1*}, A. Montagner², A. Arleo², F. Suzzi², C. Bassi³, F. Tovoli^{1,2}, M. Bruccoleri⁴, E. Alimenti⁴, F. Fornari⁵, M. Iavarone⁴, M. Negrini³, F. Piscaglia^{1,2} & C. Giovannini^{1,2*}

CTLA4 status and response to atezo + bev in HCC

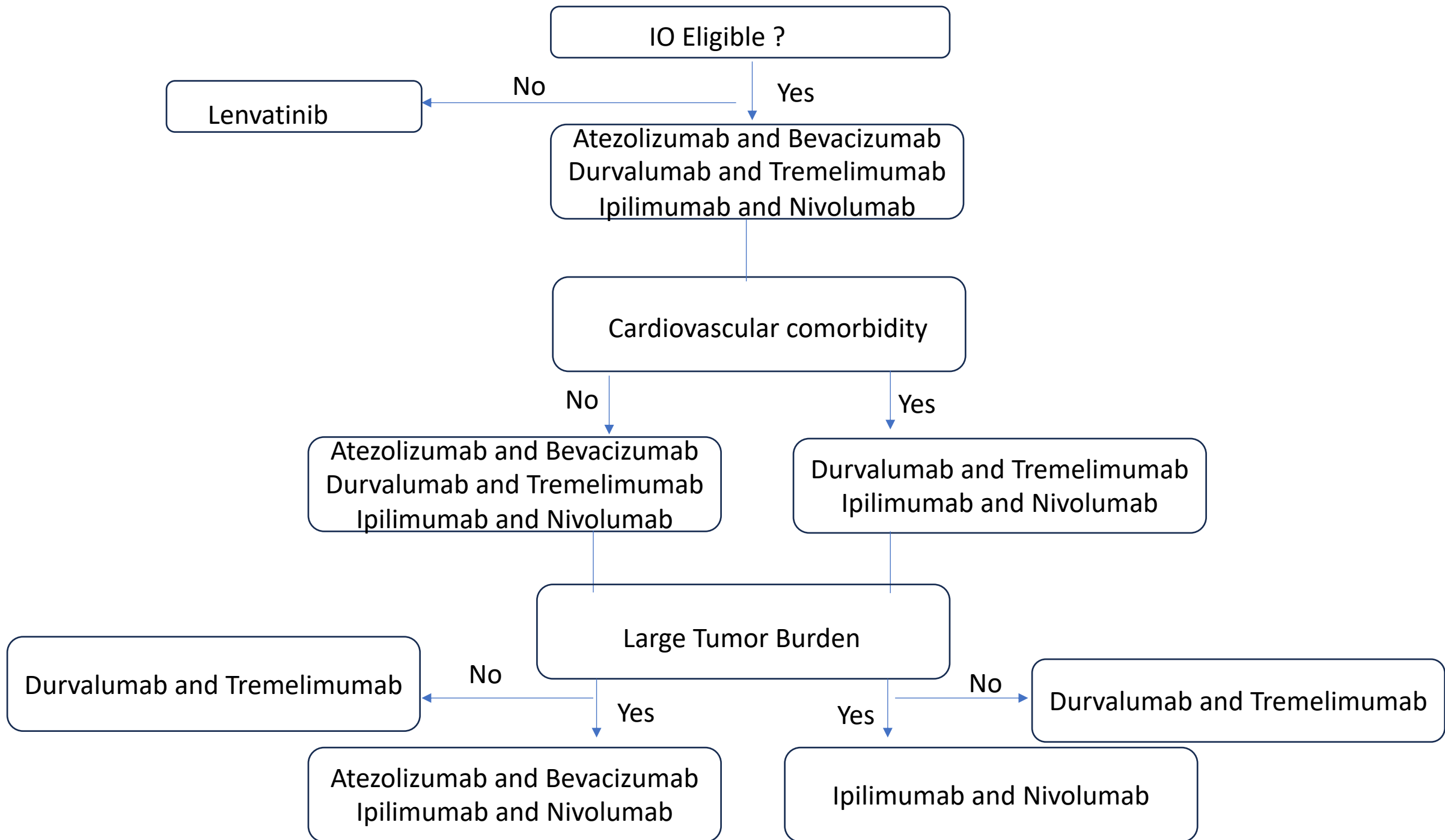


Increase in CTLA4 predicts resistance to atezo+ bev in HCC

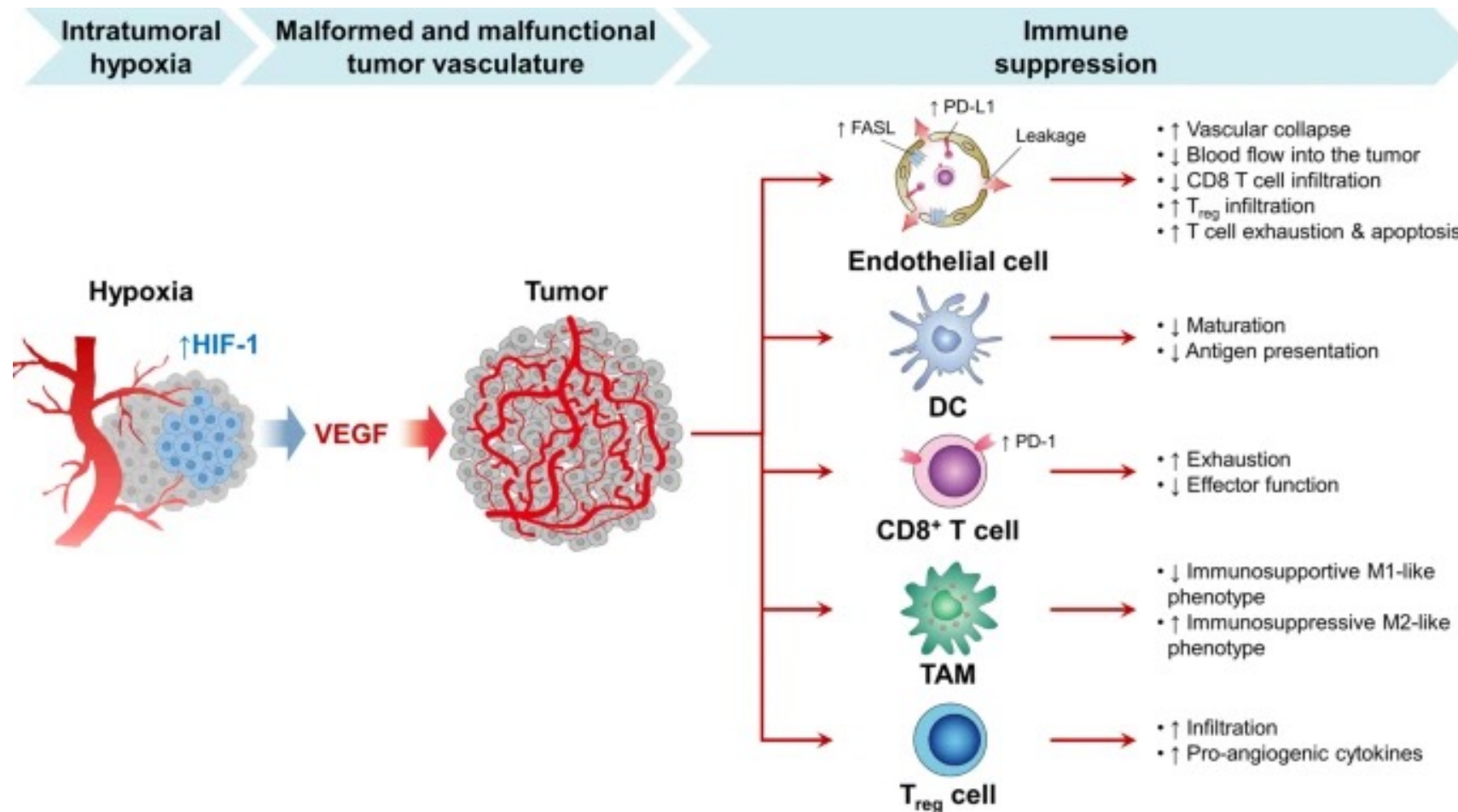


Summary

- Abrogating VEGF activity may be important for early response
- Elevated CTLA4+ve cells may suggest resistance to atezo+bev
- Abrogating CTLA4 activity may improve survival further



The Treaty of ~~Versailles~~ the Golden Isles.



VEGF+ IO vs IO +IO- It's all IO!