

Mesa de Cáncer Renal: papel del tratamiento sistémico vs local



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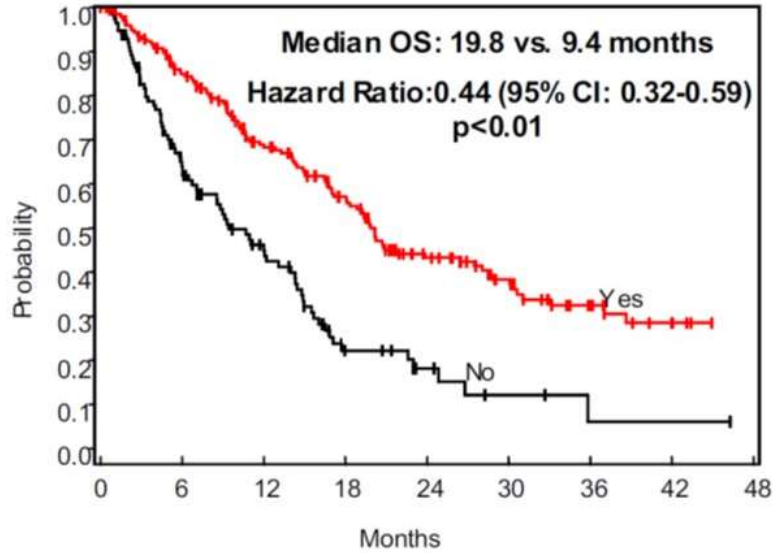




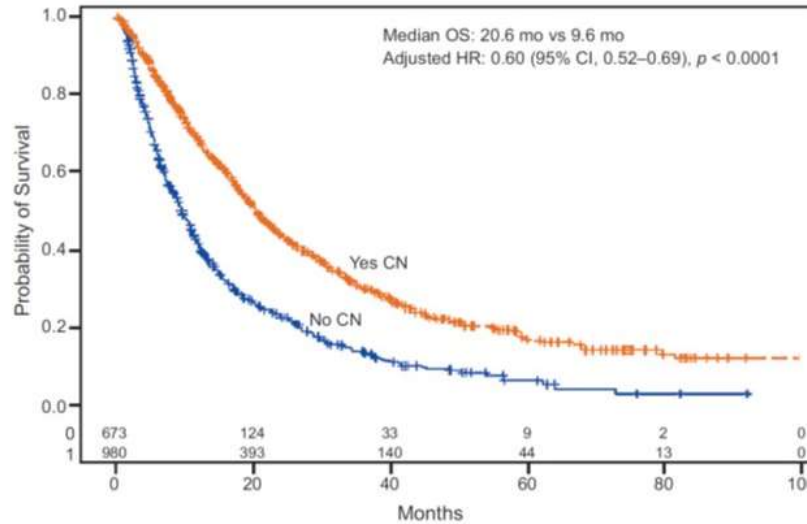
- **Advisory Boards:**
 - MSD, BMS, Roche-Genentech, Janssen, Novartis, Bayer, Astellas
- **Research Funding:**
 - Roche-Genentech, Astellas, Pfizer
- **Travel expenses:**
 - Janssen, Merck, IPSEN, Pfizer
- **Clinical Trials:**
 - BMS, Roche-Genentech, Merck, Eisai, MSD, Gilead, Exelixis
- **Lectures:**
 - Astellas, Astra Zeneca, Janssen, MSD, Bayer, Pfizer, Eisai, Ipsen, Sanofi, Roche, BMS, Pierre Fabre, Merck

Targeted Therapy Era: Controversies and patients selection

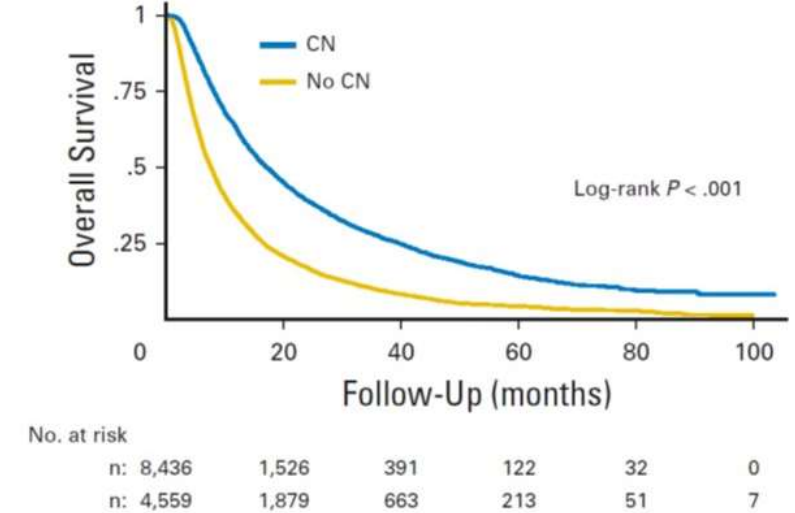
Choueiri et al, J Urol, 2011



Heng et al, Eur Urol, 2014



Hanna et al, JCO, 2016



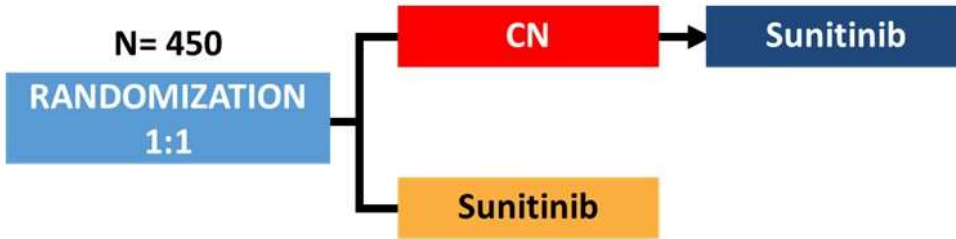
Caveats:

- Retrospective
- Inherent Selection Bias with CN

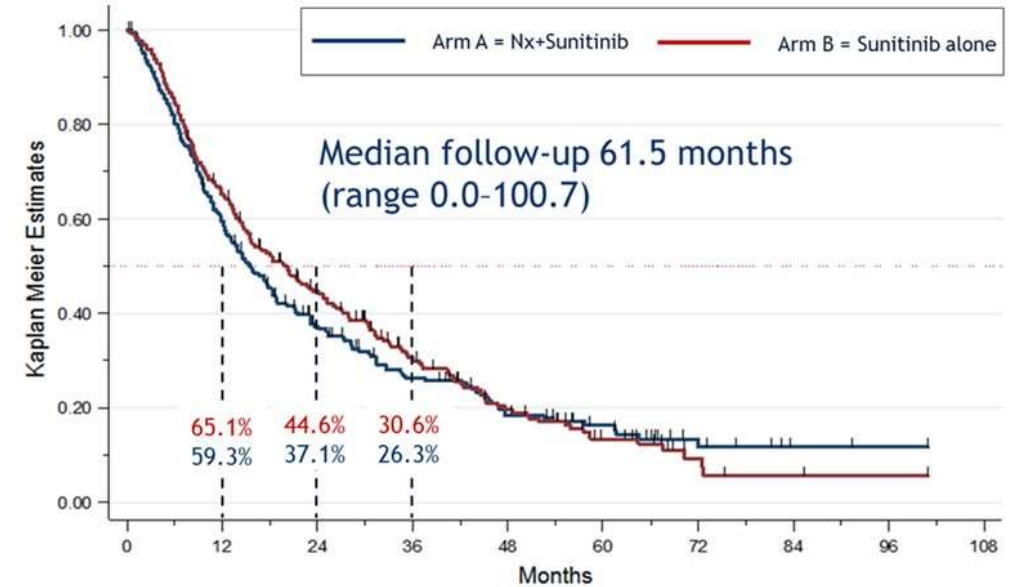
CARMENA-RCT: Gold Standard

Key Eligibility Criteria:

- Metastatic Clear Cell RCC
- Treatment-naive
- MSKCCC Int/Poor Risk Disease

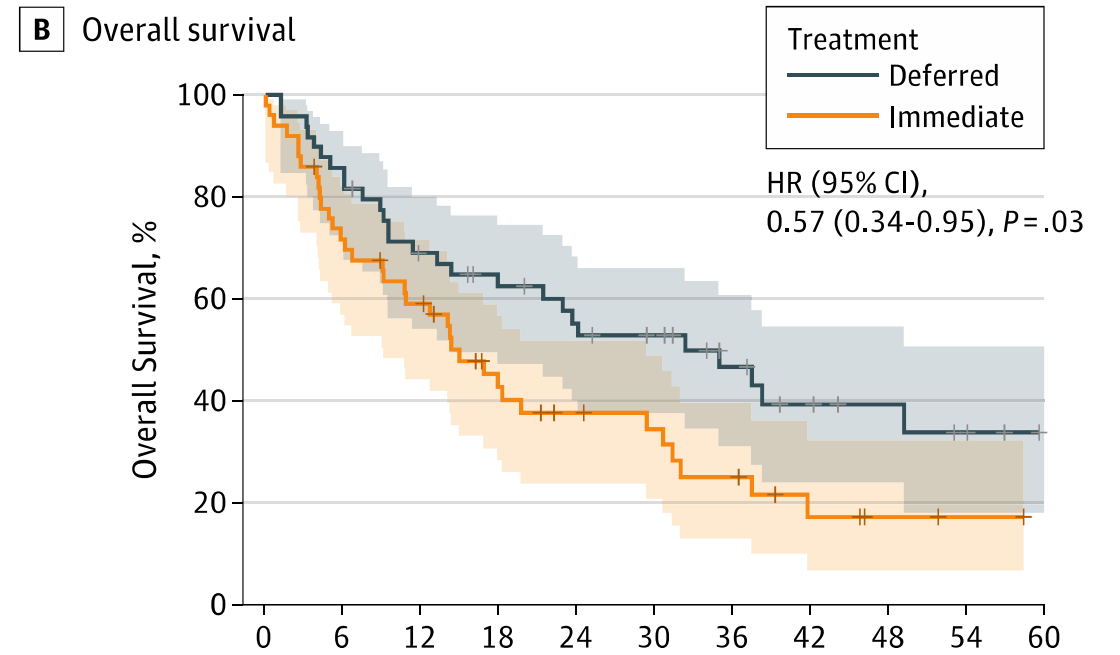
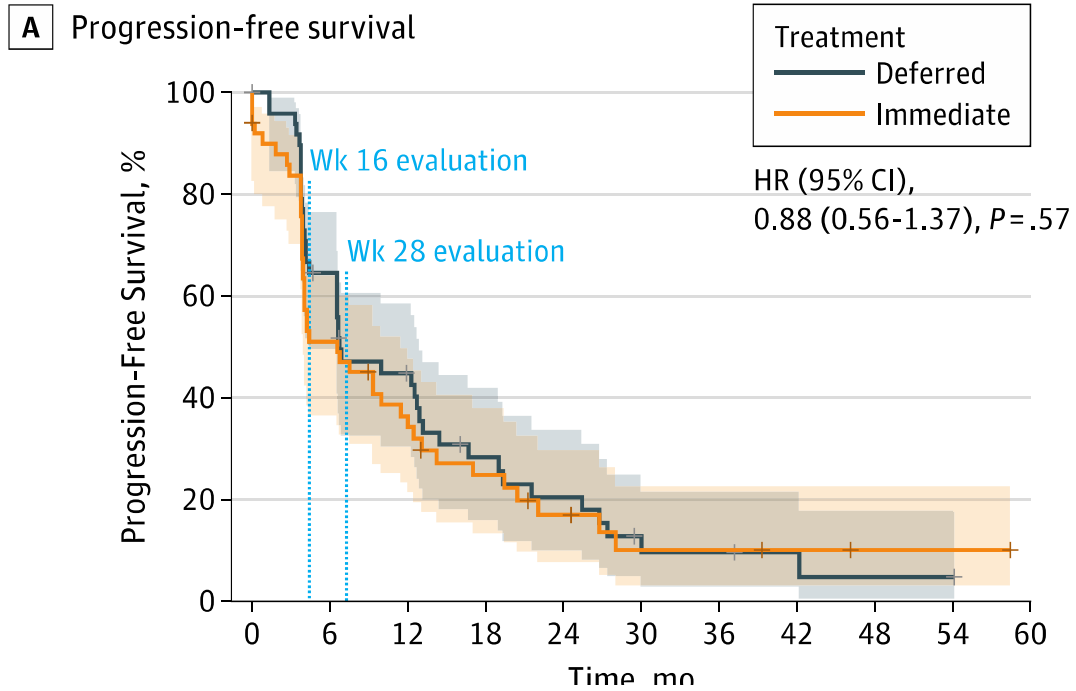


Primary endpoint: Overall Survival
Design: Non-Inferiority (HR OS <1.20)
PI: Arnaud Méjean

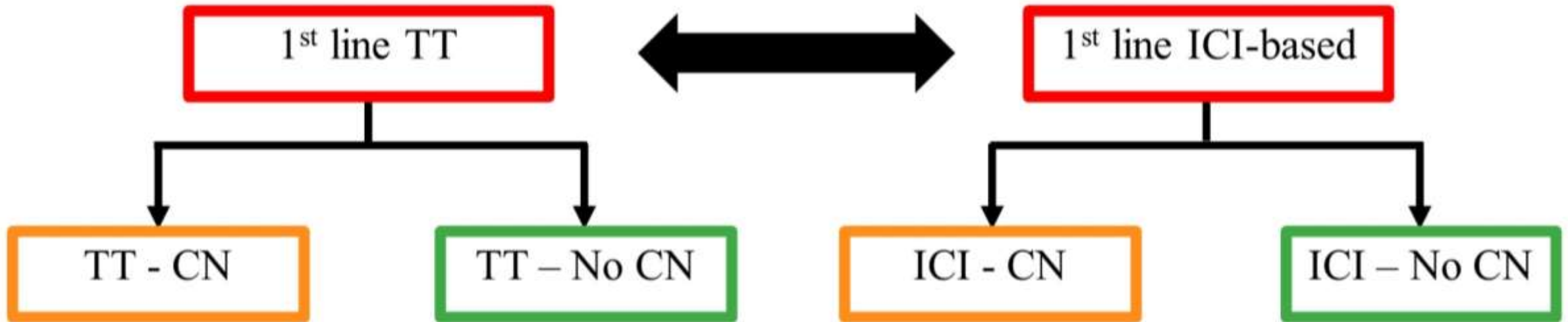


Potential Caveats:

- Lower Median OS than expected in both arms
- Potential benefit to CN in patients w/ IMDC criteria= 1



- 1) Is there still a benefit to CN in the ICI Era?
- 2) How does this benefit compare to that in the TT Era?



First-line combination therapies in advanced RCC

CTLA-4 Inhibitor

Ipilimumab + nivolumab
(intermediate/
poor risk)
CheckMate-214

PD-1 and PD-L1 Inhibitors

Pembrolizumab + axitinib
(all risk groups)
KEYNOTE-426

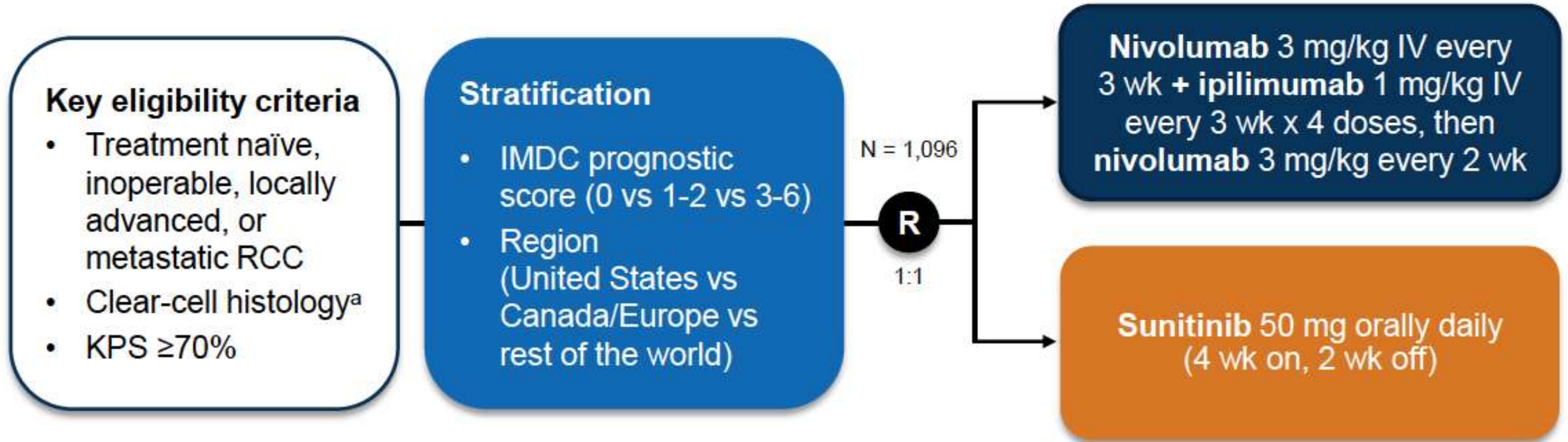
Avelumab + axitinib
(all risk groups)
JAVELIN
Renal 101

Nivolumab + cabozantinib
(all risk groups)
Checkmate-9ER

Pembrolizumab + Lenvatinib
(all risk groups)
CLEAR

TKIs

CheckMate-214: Nivolumab plus Ipilimumab in 1L mRCC

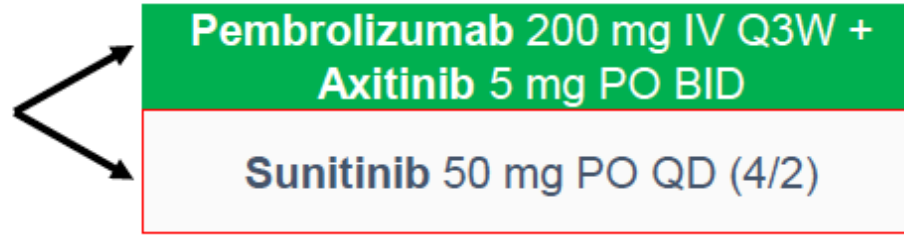


Endpoints

- **Coprimary:** PFS, OS, ORR (intermediate/poor risk)
- **Secondary:** PFS, OS, ORR (ITT)
- **Exploratory:** PFS, OS, ORR (favorable risk)

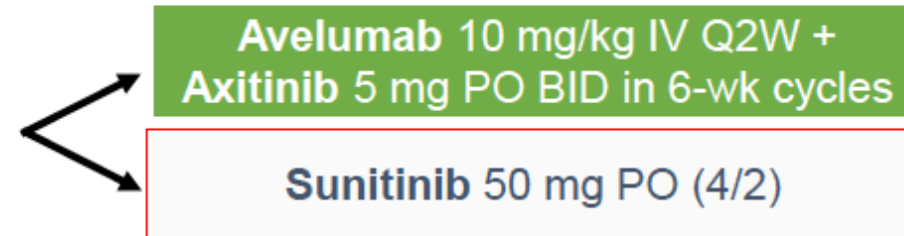
IO-VEGF combos in mRCC

***KEYNOTE 426¹** Treatment-naive clear-cell RCC (N = 861)



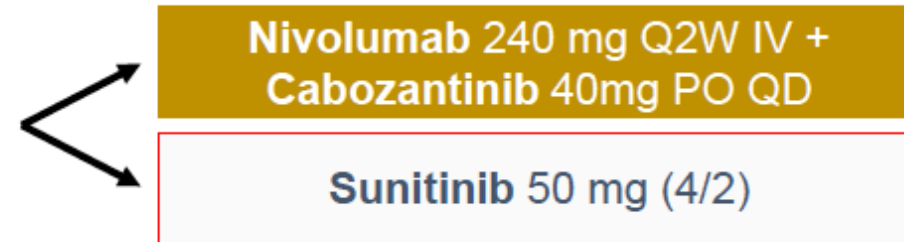
1° EP:
PFS/OS

JAVELIN Renal 101² Treatment-naive clear-cell RCC (N = 886)



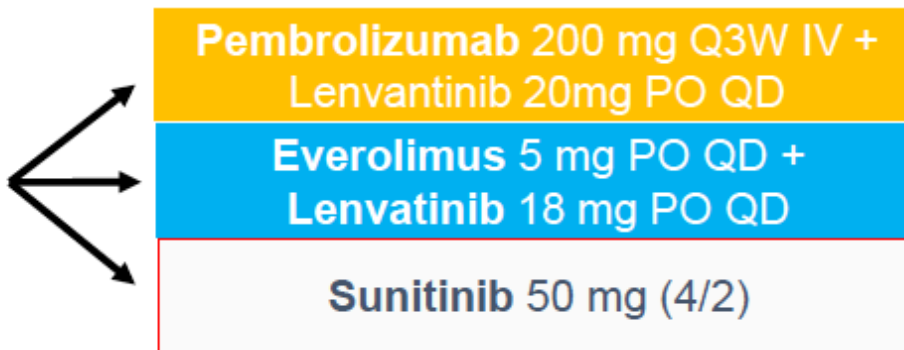
1° EP:
PFS/OS
PD-L1⁺ pts

***CM 9ER³** Treatment-naive clear cell RCC (N = 651)



1° EP: PFS

***CLEAR⁴** Treatment-naive clear cell RCC (N = 1069)



1° EP:
PFS/OS

***With OS at 1st analysis!**

Baseline characteristics in 1L mRCC phase III are different

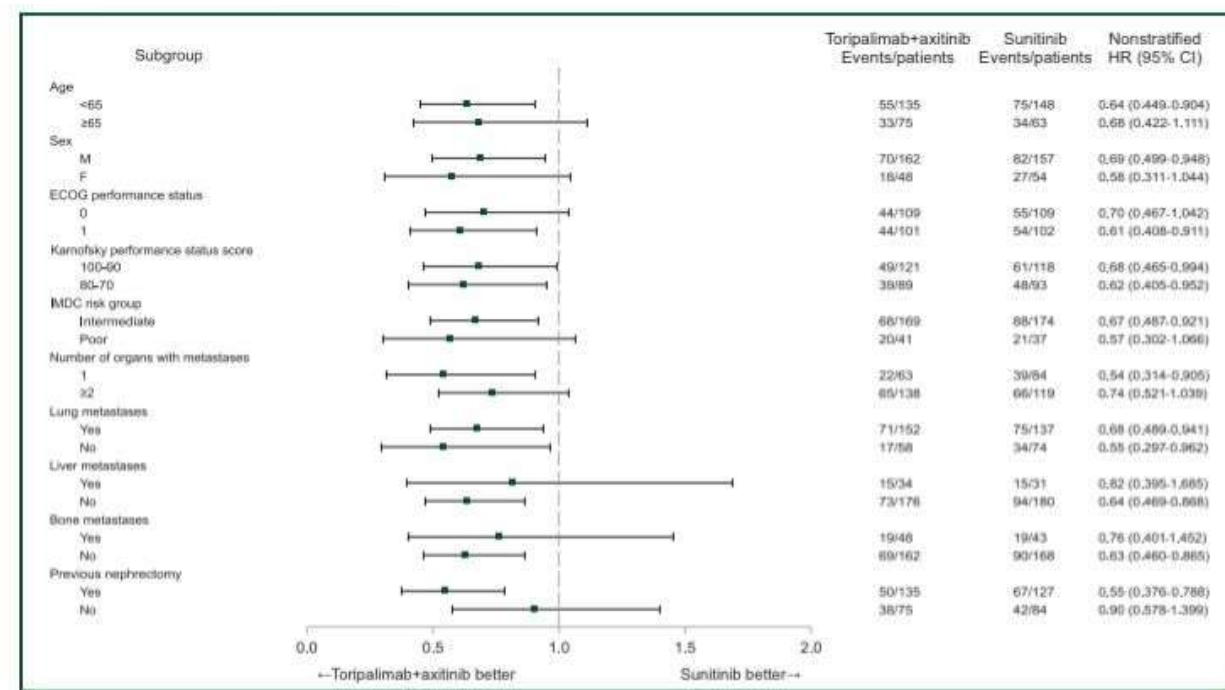
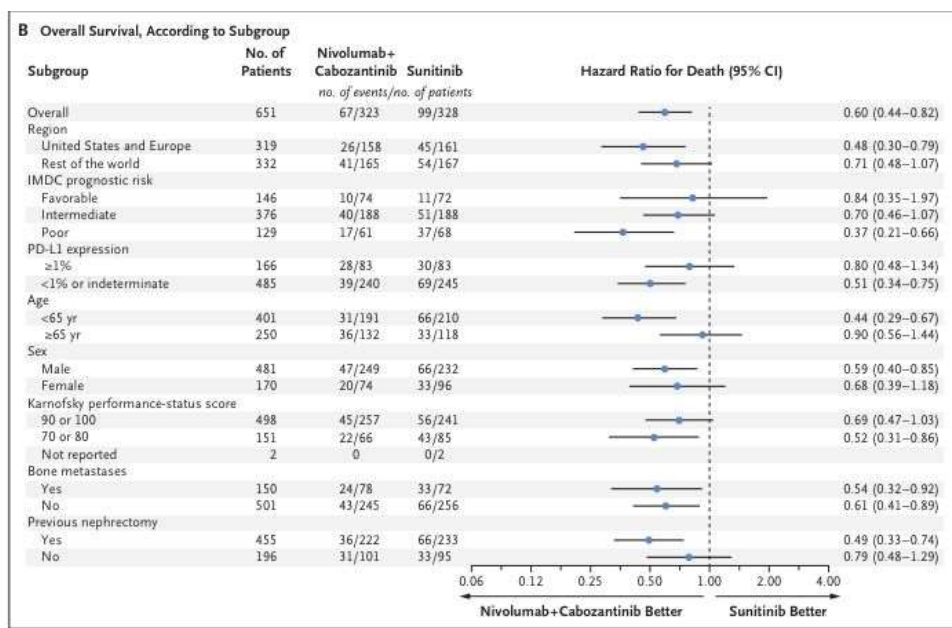
	KEYNOTE-426 ¹	CLEAR ²	CheckMate 214 ³	CheckMate 9ER ⁴
	Axi + Pembro N=432	Len + Pembro N=355	Nivo + Ipi N=550	Cabo + Nivo N=323
IMDC Risk Group, %				
Favorable	32	31	23	23
Intermediate	55	59	61	58
Poor	13	9	17	19
ECOG 0 % or KPS 90-100 %	80.3 ⁵	83	68.6 (I/P) ⁶	80
Sarcomatoid features, %	18	8	14	11
Prior Nephrectomy, %	83	74	82	69
≥ 2 organs with metastasis, %	73	72	78	80
Liver Metastasis, %	15	17	18	23
Bone Metastasis, %	24	24	20	24

First line trials comparison: updated results after ASCO 2023

	CheckMate 214 (Ipi/Nivo) ¹ (n=550 vs n=546)	KEYNOTE-426 (Axi/Pembro) ² (n=432 vs n=429)	CheckMate 9ER (Cabo/Nivo) ³ (n=323 vs n=328)	CLEAR (Len/Pembro) ⁴ (N=355 vs n=357)
OS HR mOS, months	0.72 55.7 vs 38.4	0.84 47.2 vs 40.8	0.70 49.5 vs 35.5	0.79 53.7 v. 54.3
Landmark OS	60% at 3 years (est.) 48% at 5 years	63% at 3 years 42% at 5 years	59% at 3 years	66% at 3 years
PFS HR mPFS, months	0.86 12.3 vs 12.3	0.69 15.7 vs 11.1	0.59 16.6 vs 8.4	0.47 23.9 vs 9.2
Landmark PFS	32% (3 years; est.) 30% (5 years)	29% (3 years) 18% (5 years)	23% (3 years)	37% (3 years)
ORR, %	39 vs 32	61 vs 40	56 vs 28	71 vs 37
CR, %	12 vs 3	12 vs 4	13 vs 5	18 vs 4
Med f/u, months	68	67	44	48
Primary PD, %	18	12	7	5

First line trials comparison: updated results after ASCO 2023

Subgroup	Nivolumab + Ipilimumab		Sunitinib	Hazard Ratio for Death (95% CI)
	no. of deaths/no. of patients			
Previous nephrectomy				
Yes	103/341	127/319		0.69 (0.53–0.89)
No	37/84	61/103		0.63 (0.42–0.94)



María

- White, female
- Age: 67 years
- ECOG: PS 1
- BMI: 28 kg/m²

Lifestyle: Single, lives alone

Employment status/job:

Retired bank employee

Family history of cancer: Yes, father lung cancer (smoker)



Comorbidities:

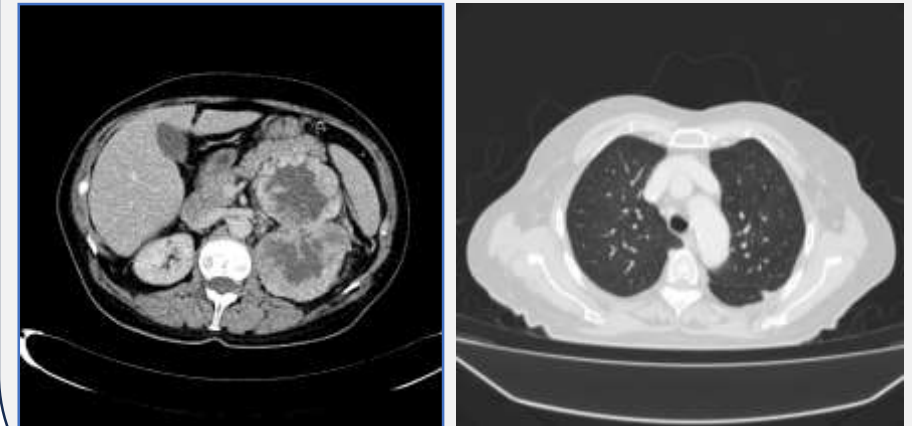
DM2, hypothyroidism

Concomitant medications:

Alprazolam, levothyroxine, metformine



- Asthenia, moderate pain
- Clear cell carcinoma T3N0M1
- Lung metastases
- Intermediate IMDC (1 factor)



Guillermo

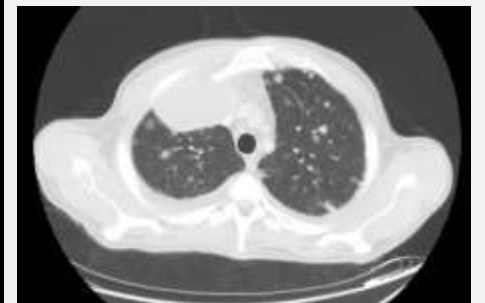
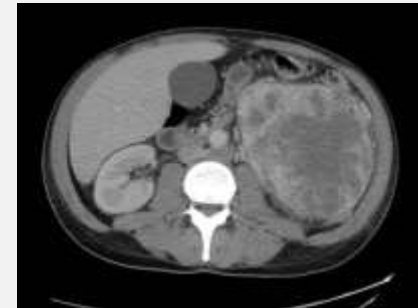
- White, male
- Age: 71 years
- ECOG: PS 1
- BMI: 24 kg/m²

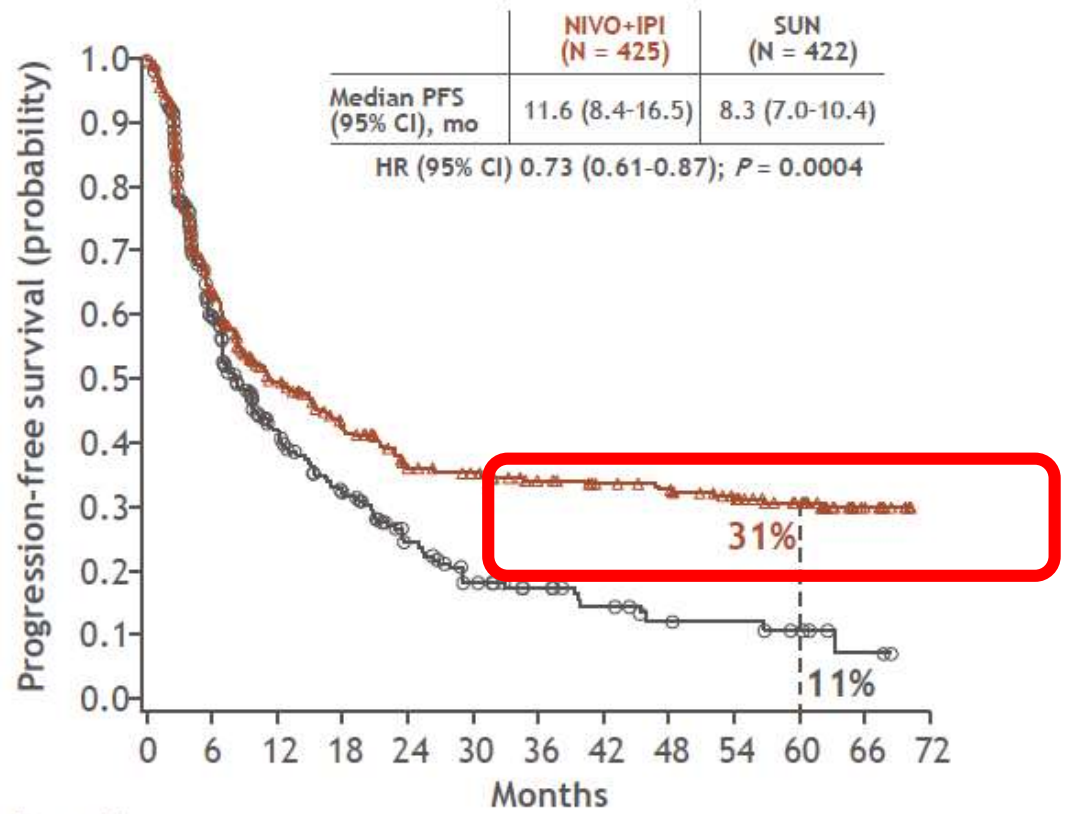
Lifestyle: Married, 3 sons
Employment status/job:
Builder employee
Family history of cancer: Yes,
father prostate cancer (78y)



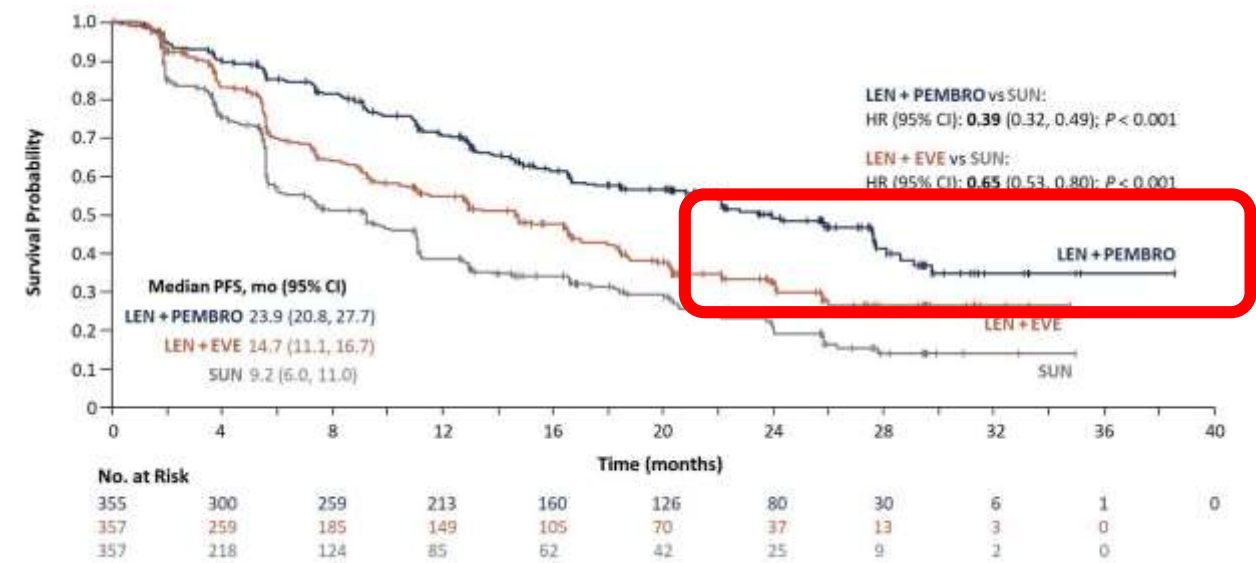
Comorbidities:
Hypertension, COPD, DM2
Concomitant medications:
Lisinopril, inhalers, Insulin

- Moderate pain, weight loss
- Clear cell carcinoma with sarcomatoid component (20%)
- Lung & nodal metastases
- Poor-risk IMDC (3 factors)



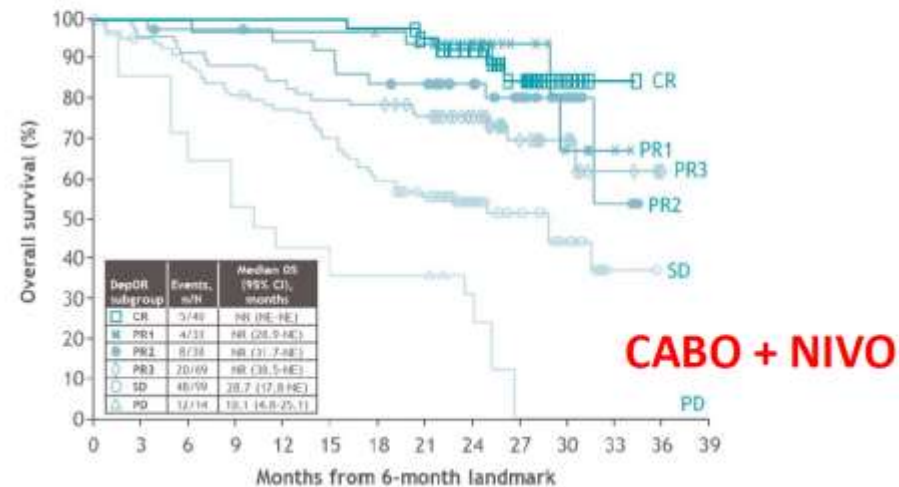
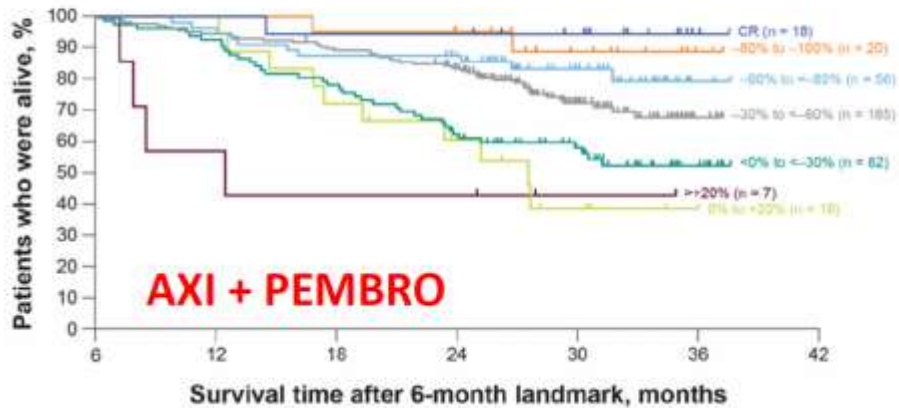
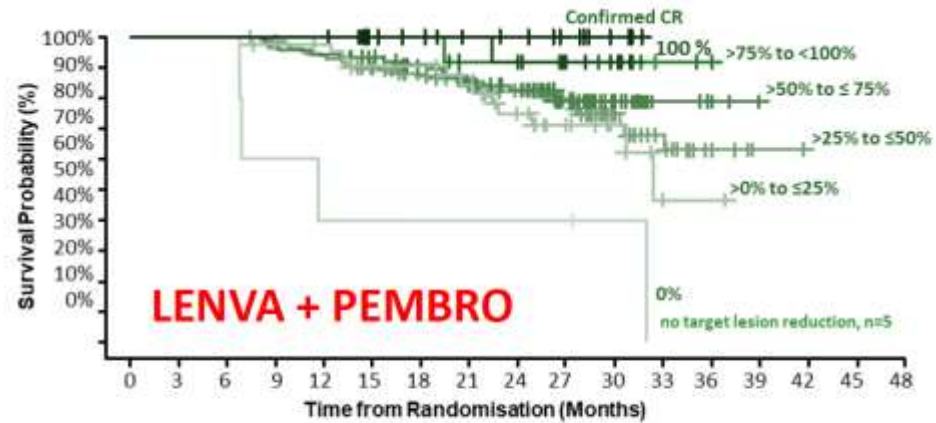
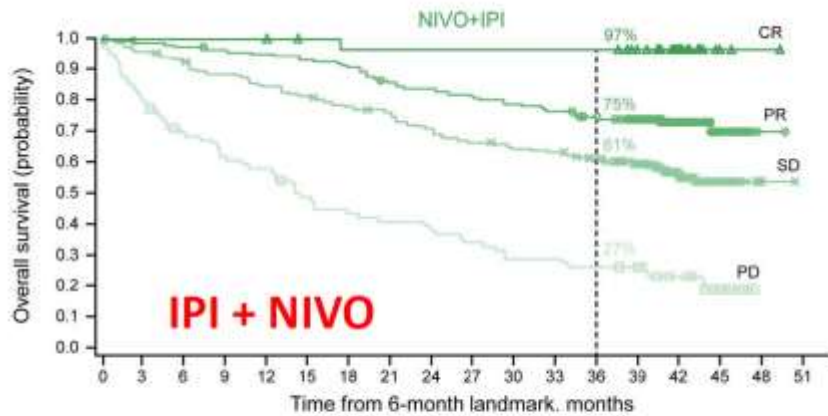


No. at risk	0	6	12	18	24	30	36	42	48	54	60	66	72
NIVO+IPI	425	233	164	130	101	94	81	74	70	60	48	10	0
SUN	422	188	106	74	46	29	21	15	10	9	6	2	0

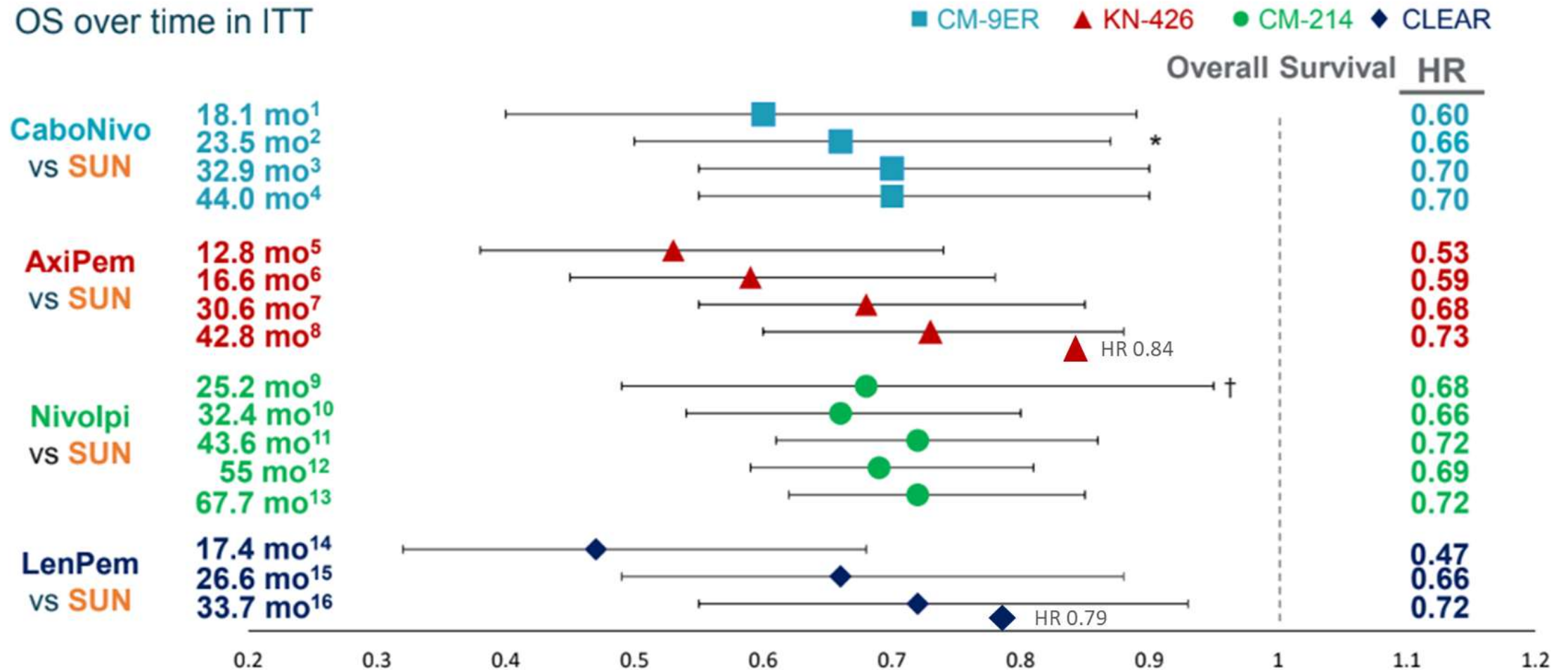


*By Independent Review Committee per RECIST v1.1.

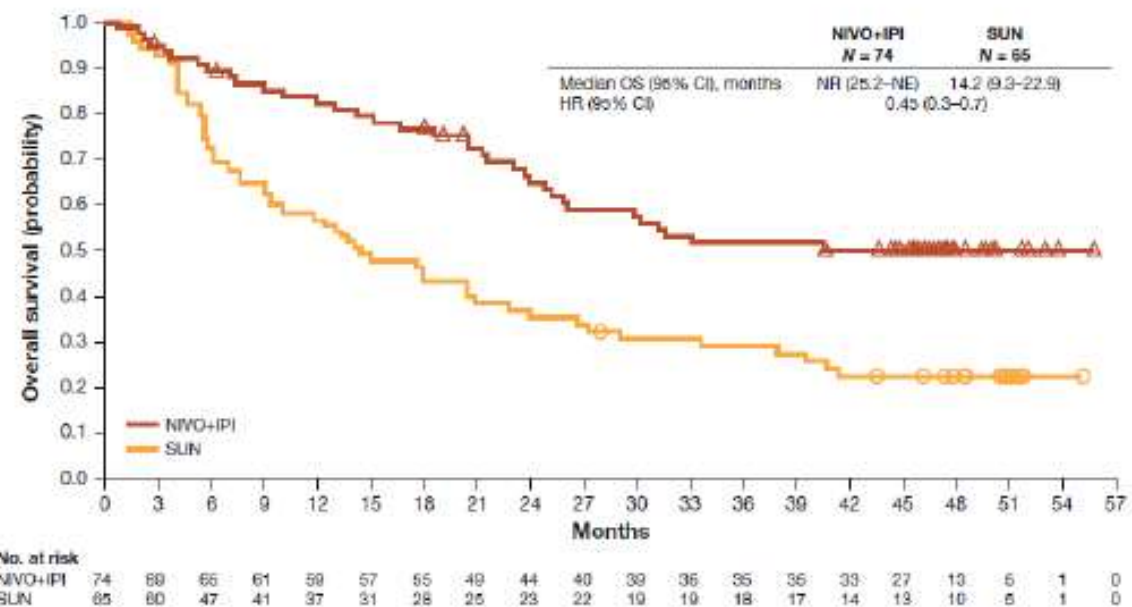
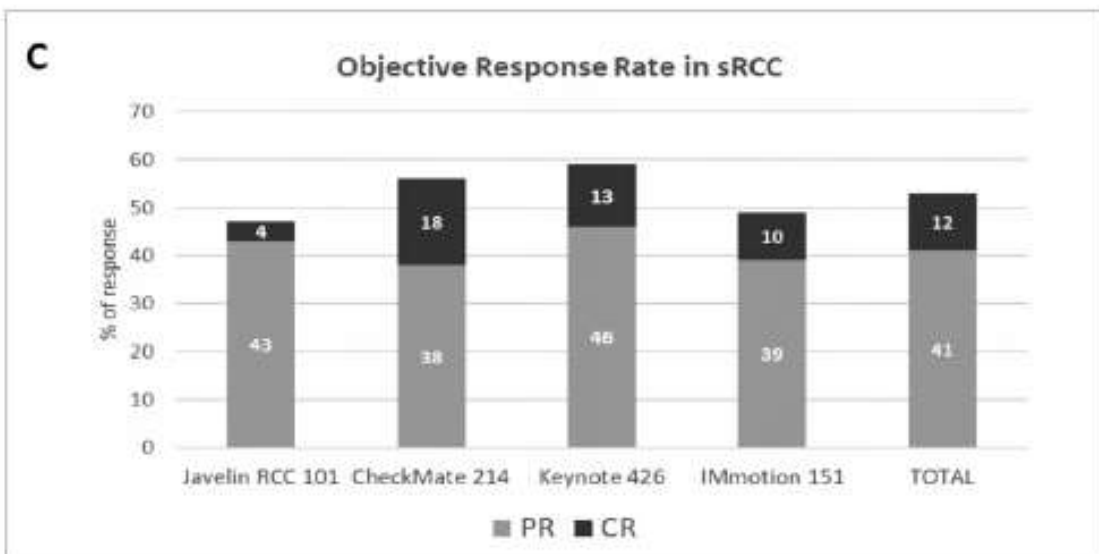
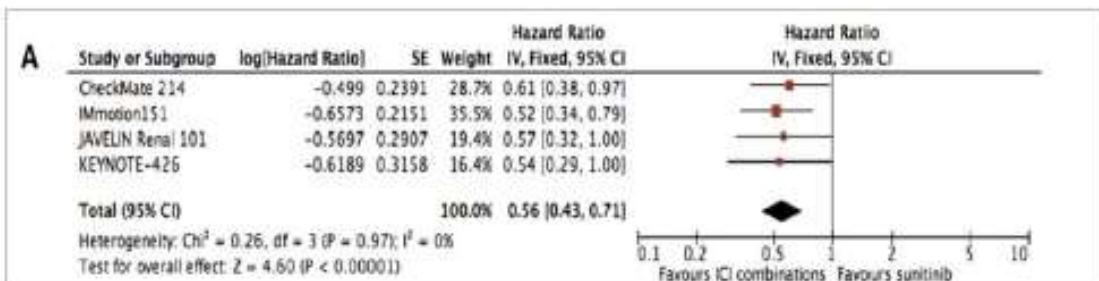
Association ORR with outcomes



OS over time in ITT



Meta-analysis showed superior outcome for IO-combos in sarcomatoid RCC



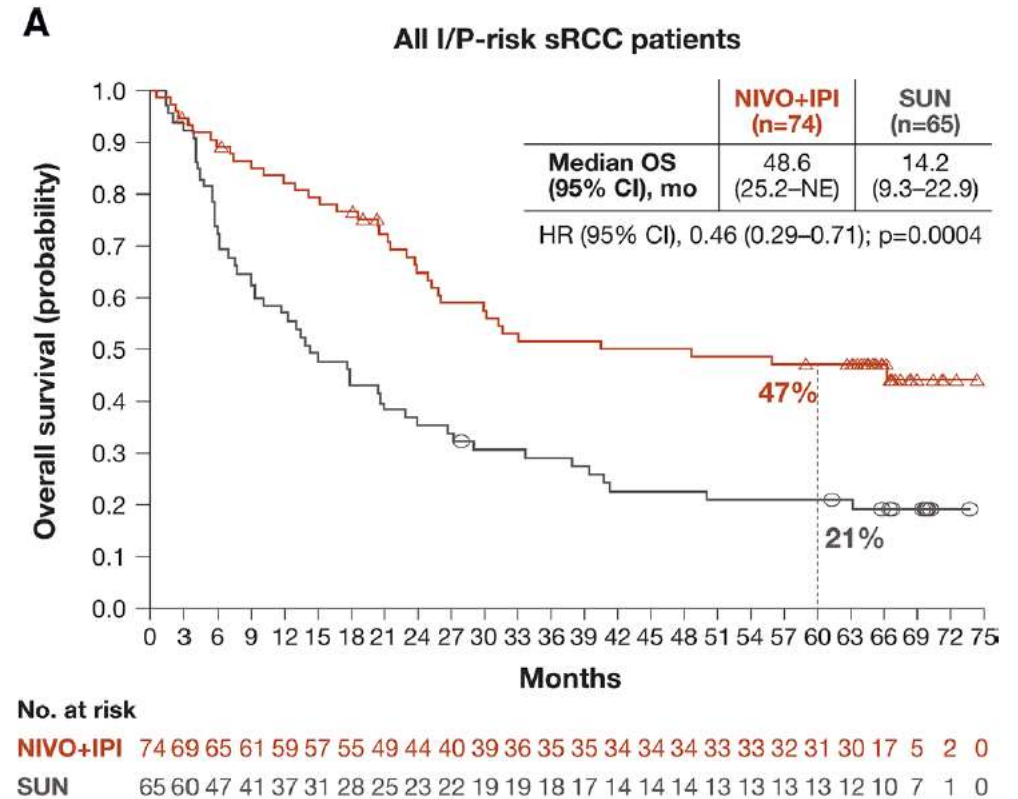
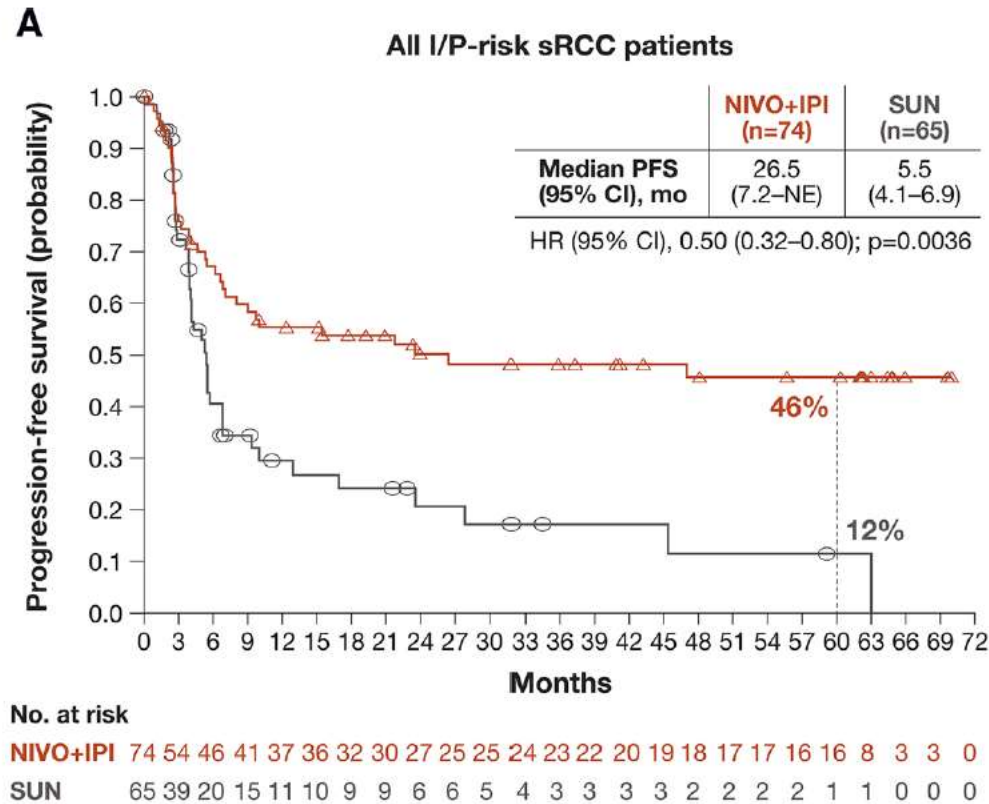
Long-term outcomes with Nivo-Ipi in sarcomatoid RCC

Table 2 Best overall confirmed response per RECIST V.1.1 in all patients with IMDC I/P-risk sRCC and by tumor PD-L1 expression levels

	Patients with I/P risk sRCC		Patients with I/P risk sRCC and PD-L1 ≥1		Patients with I/P risk sRCC and PD-L1 <1%	
	NIVO+IPI (n=74)	SUN (n=65)	NIVO+IPI (n=36)	SUN (n=33)	NIVO+IPI (n=35)	SUN (n=29)
Confirmed ORR (95% CI), %	60.8 (48.8 to 72.0)	23.1 (13.5 to 35.2)	69.4 (51.9 to 83.7)	24.2 (11.1 to 42.3)	54.3 (36.6 to 71.2)	20.7 (8.0 to 39.7)
P value	<0.0001		-		-	
Best overall response, n (%)						
Complete response	17 (23.0)	4 (6.2)	9 (25.0)	3 (9.1)	8 (22.9)	1 (3.4)
Partial response	28 (37.8)	11 (16.9)	16 (44.4)	5 (15.2)	11 (31.4)	5 (17.2)
Stable disease	8 (10.8)	28 (43.1)	4 (11.1)	13 (39.4)	4 (11.4)	13 (44.8)
Progressive disease	15 (20.3)	13 (20.0)	5 (13.9)	9 (27.3)	9 (25.7)	4 (13.8)
Unable to determine/not reported	6 (8.1)	9 (13.8)	2 (5.6)	3 (9.1)	3 (8.6)	6 (20.7)

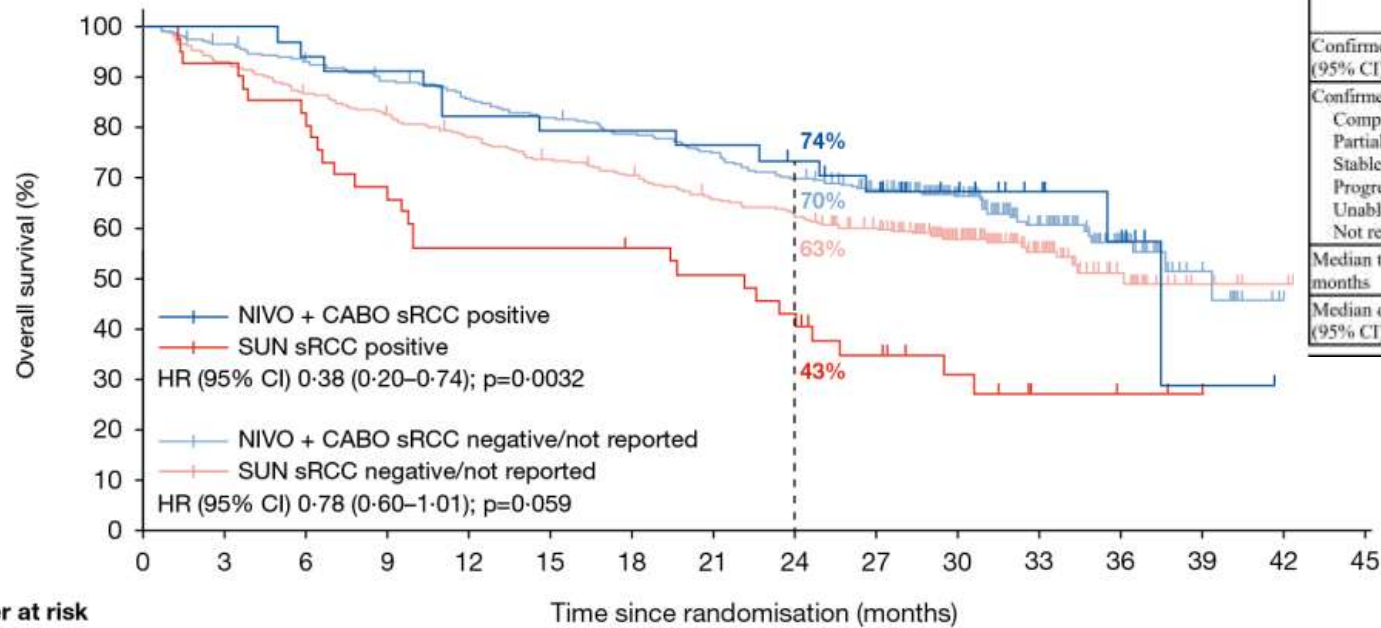
I/P, intermediate/poor; NIVO+IPI, nivolumab plus ipilimumab; ORR, objective response rate; PD-L1, programmed death ligand 1; RECIST, Response Evaluation Criteria in Solid Tumors; sRCC, sarcomatoid renal cell carcinoma; SUN, sunitinib.

Long-term outcomes with Nivo-Ipi in sarcomatoid RCC



Survival outcomes and ORR from phase III trial in patients with sRCC

A By sRCC status



	Number at risk (number censored)														
	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42
NIVO + CABO sRCC positive	34 (0)	34 (0)	32 (0)	31 (0)	28 (0)	27 (0)	27 (0)	26 (0)	24 (1)	21 (2)	16 (7)	9 (14)	6 (16)	1 (20)	0 (21)
SUN sRCC positive	41 (0)	38 (0)	33 (0)	27 (0)	23 (0)	23 (0)	22 (1)	20 (1)	17 (1)	12 (3)	8 (6)	4 (9)	2 (11)	1 (12)	0 (13)
NIVO + CABO sRCC negative/not reported	289 (0)	276 (3)	265 (4)	253 (6)	242 (7)	231 (7)	220 (9)	209 (9)	195 (9)	178 (20)	122 (73)	71 (116)	36 (148)	10 (172)	1 (180)
SUN sRCC negative/not reported	287 (0)	261 (7)	242 (8)	230 (8)	216 (10)	203 (11)	193 (12)	178 (14)	170 (14)	154 (23)	101 (71)	55 (114)	21 (145)	5 (160)	2 (163)

Table S5: Objective response in subgroups of clinical interest at baseline: sarcomatoid histology, metastasis

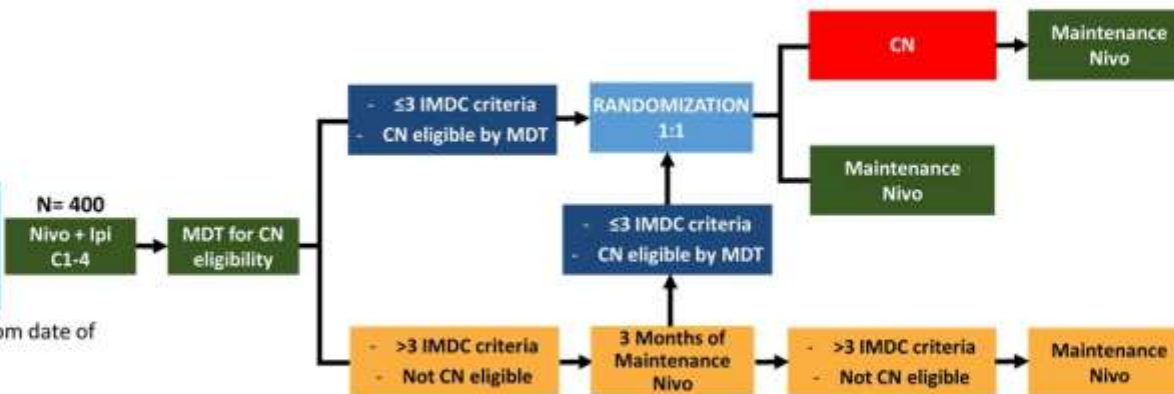
Variable*	sRCC positive		sRCC negative/not reported	
	Nivolumab plus cabozantinib (n=34)	Sunitinib (n=41)	Nivolumab plus cabozantinib (n=289)	Sunitinib (n=287)
Confirmed objective response rate, % (95% CI)	59 (41–75)	22 (11–38)	55 (49–61)	29 (24–35)
Confirmed best overall response, n (%)				
Complete response	5 (15)	1 (2)	35 (12)	16 (6)
Partial response	15 (44)	8 (20)	125 (43)	68 (24)
Stable disease	10 (29)	10 (24)	95 (33)	124 (43)
Progressive disease	4 (12)	14 (34)	16 (6)	31 (11)
Unable to determine	0	8 (20)	18 (6)	47 (16)
Not reported	0	0	0	1 (<1)
Median time to response (IQR), months	2.8 (2.8–5.5)	3.9 (2.8–4.2)	2.8 (2.8–4.0)	4.4 (2.8–7.3)
Median duration of response (95% CI), months	NR (10.8–NE)	8.3 (2.8–15.2)	22.9 (18.6–27.6)	17.8 (10.9–23.5)

NORDIC-SUN (NCT03977571)

Key Eligibility Criteria:

- Metastatic RCC
- Treatment-naïve
- IMDC Int/Poor Risk

Primary endpoint: OS (from date of inclusion)
PI: Frede Donskov

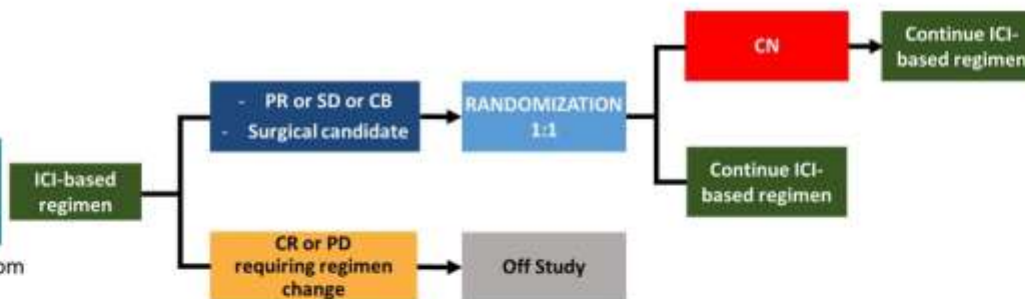


PROBE Trial (SWOG – Under Development)

Key Eligibility Criteria:

- Metastatic RCC
- Treatment-naïve

Primary endpoint: OS (from randomization)
PI: Ulka Vaishampayan & Hyung Kim



CYTOSHRINK (NCT04090710)

Key Eligibility Criteria:

- Advanced RCC
- Treatment-naïve
- IMDC Int/Poor Risk Disease
- Not a candidate for CN

Primary endpoint: PFS
PI: Aly-Khan Lalani



- ❖ CN should rarely be performed in
 - Patients with poor risk disease.
 - Patients with rapidly progressive disease or high disease burden who need systemic therapy.
- ❖ Upfront CN should be considered in
 - Patients with Favorable/Intermediate risk disease who are candidates for active surveillance.
 - Candidates for oligo-metastasectomy → NED.
 - Symptomatic kidney masses.
- ❖ Deferred CN should be considered in patients with strong responses to systemic therapy.



Thanks

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