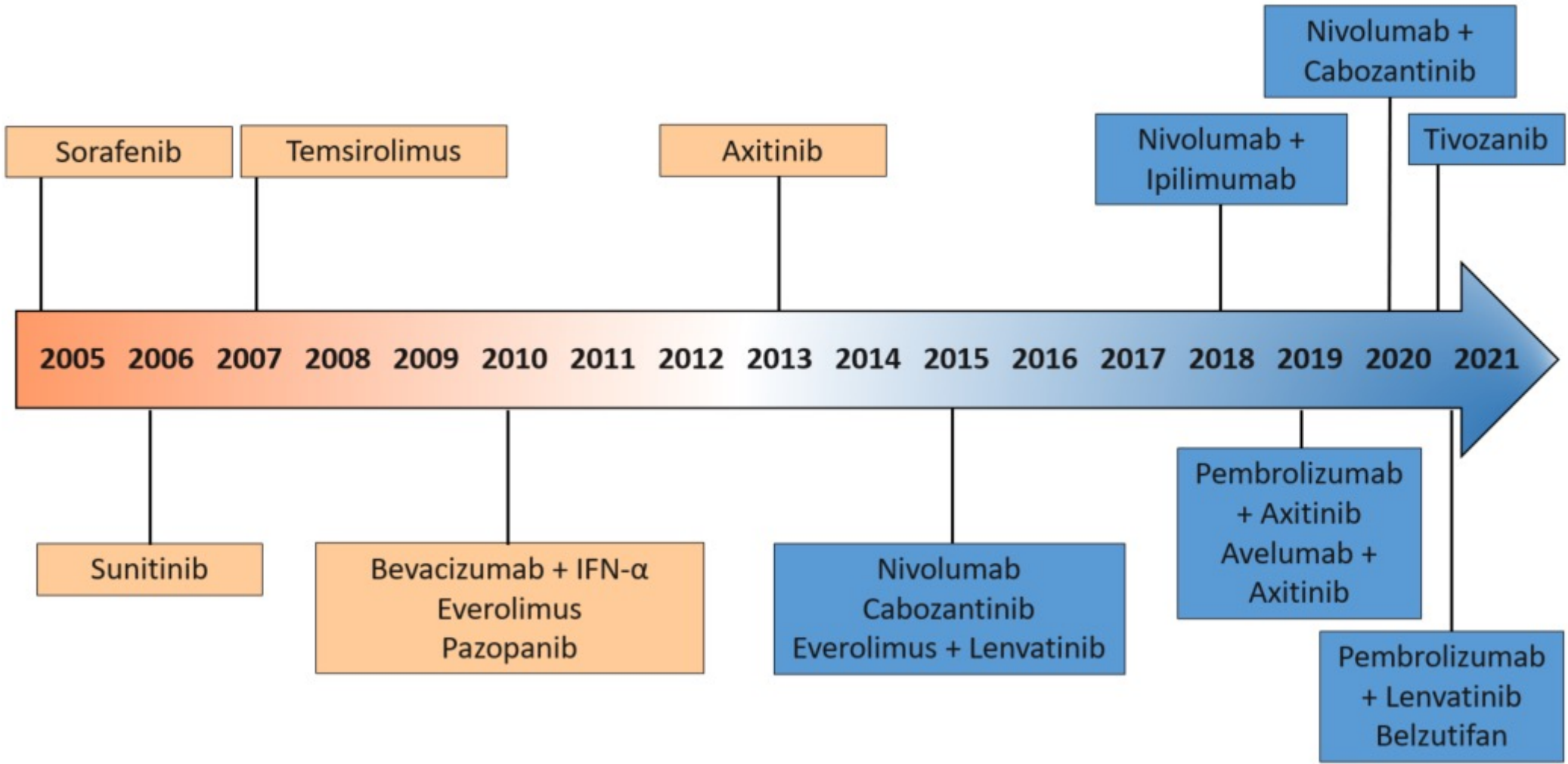


Updates in RCC: What Have We Learned from GU ASCO 2024?

Yousef Zakharia, MD
Associate Professor of Medicine
Director, Phase 1 Program
Co-Leader, GU Oncology Program

Master Lecture Series Cleveland
April 13th, 2024

Treatment Landscape of Metastatic RCC



First-line IO Combination Trials in mRCC (ITT)

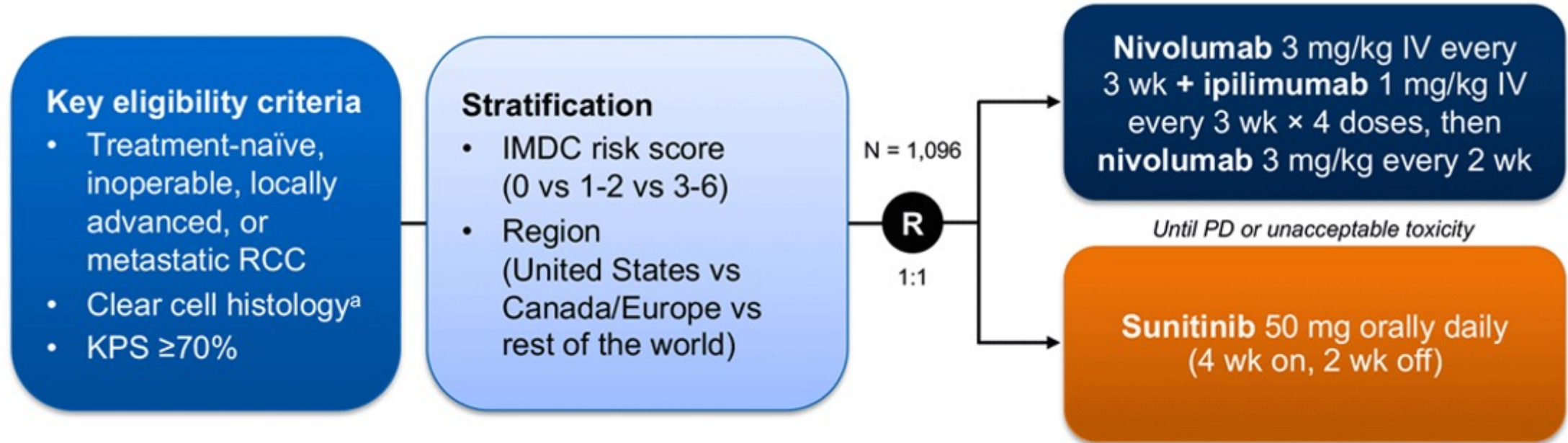
| | CheckMate 214 (Ipi/Nivo) ¹ (n=550 vs n=546) | KEYNOTE-426 (Axi/Pembro) ² (n=432 vs n=429) | CheckMate 9ER (Cabo/Nivo) ³ (n=323 vs n=328) | CLEAR (Len/Pembro) ⁴ (N=355 vs n=357) |
|------------------------|---|--|---|---|
| OS HR mOS, months | 0.72 52.7 vs 37.8 | 0.84 47.2 vs 40.8 | 0.77 46.5 vs 36.0 | 0.79 53.7 v. 54.3 |
| Landmark OS | 35% at 7.5 years | 63% at 3 years 42% at 5 years | 49% at 4 years | 66% at 3 years |
| PFS HR mPFS, months | 0.88 12.4 vs 12.3 | 0.69 15.7 vs 11.1 | 0.58 16.4 vs 8.4 | 0.47 23.9 vs 9.2 |
| Landmark PFS | 23% at 7.5 years (IRC) 16% at 7.5 years (investigator) | 18% (5 years) | 17% (4 years) | 37% (3 years) |
| ORR, % | 39 vs 33 | 61 vs 40 | 56 vs 28 | 71 vs 37 |
| CR, % | 12 vs 3 | 12 vs 4 | 14 vs 5 | 18 vs 4 |
| Med f/u, months | 96 | 67 | 56 | 48 |
| Primary PD, % | 18 | 12 | 7 | 5 |

1. Tannir et al. ASCO GU 2024
3. Bourlon et al. ASO GU 2024

2. Rini et al. ASCO 2023
4. Motzer et al. ASCO 2023

 @brian_rini and @Uromigos (podcasts: <https://podcasters.spotify.com/pod/show/the-uromigos>)

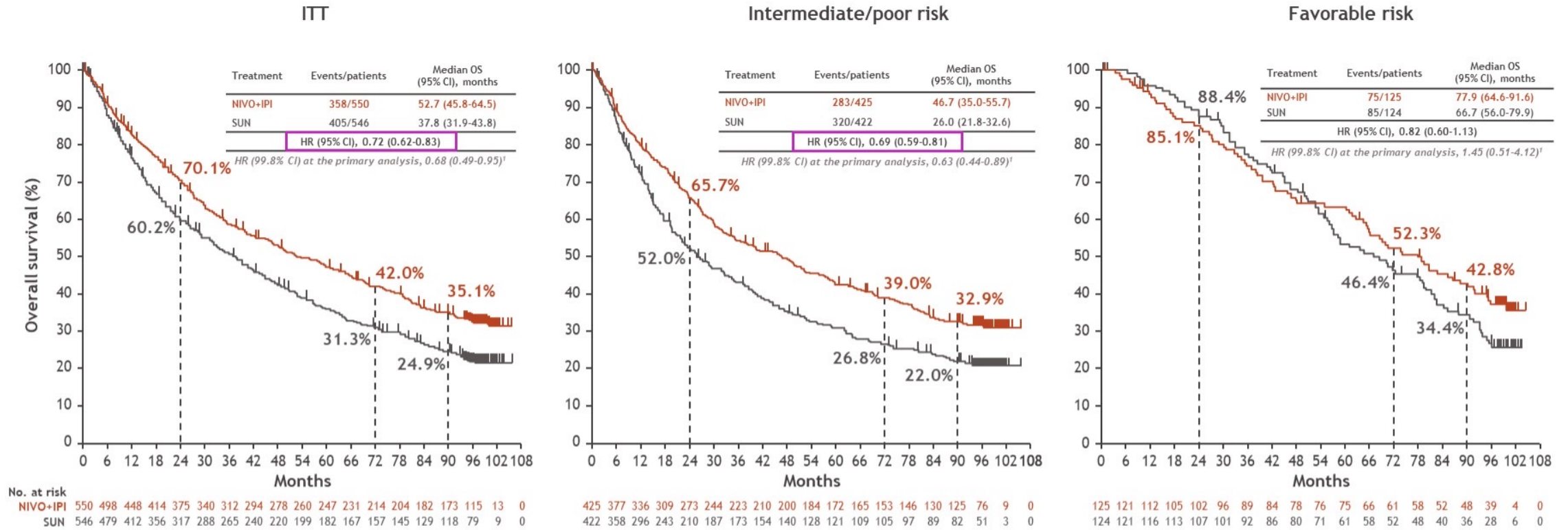
Checkmate 214 Long Term Follow-up



Primary Endpoints OS, PFS, ORR in IMDC intermediate/ poor- risk patients.
Secondary: PFS, OS, ORR in ITT patients.

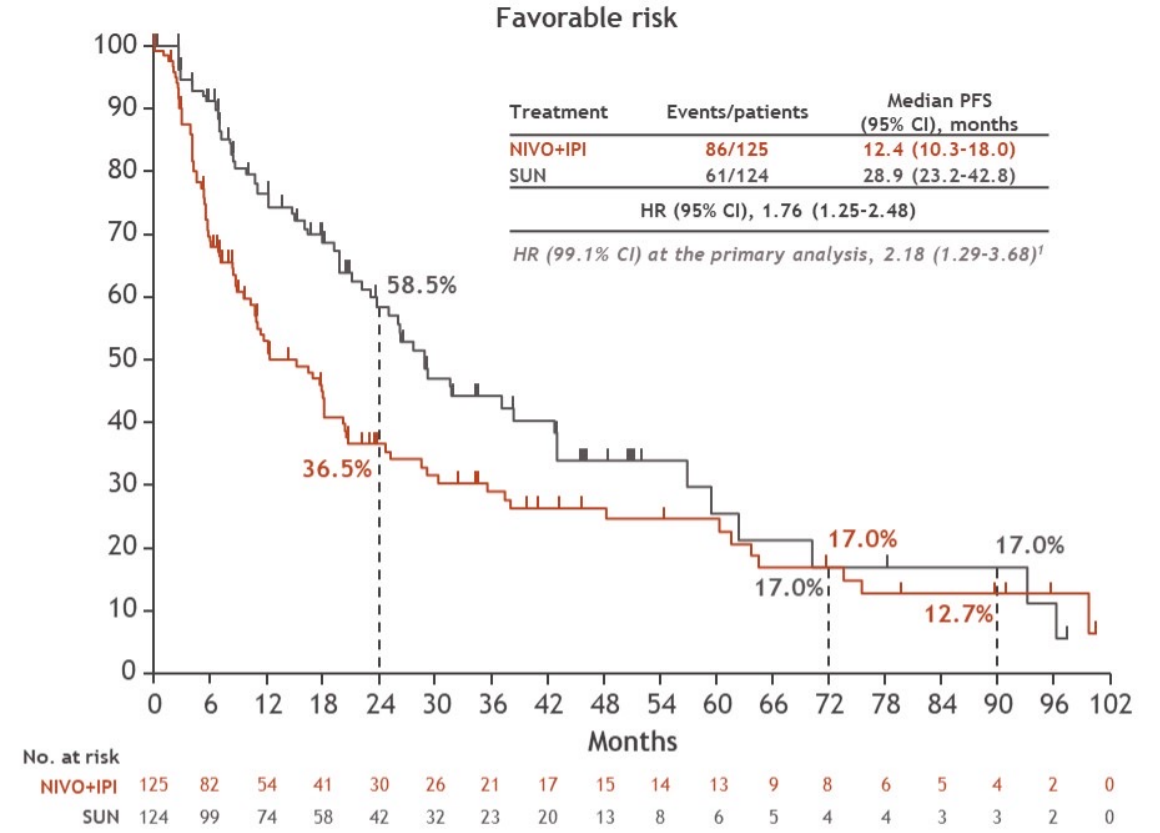
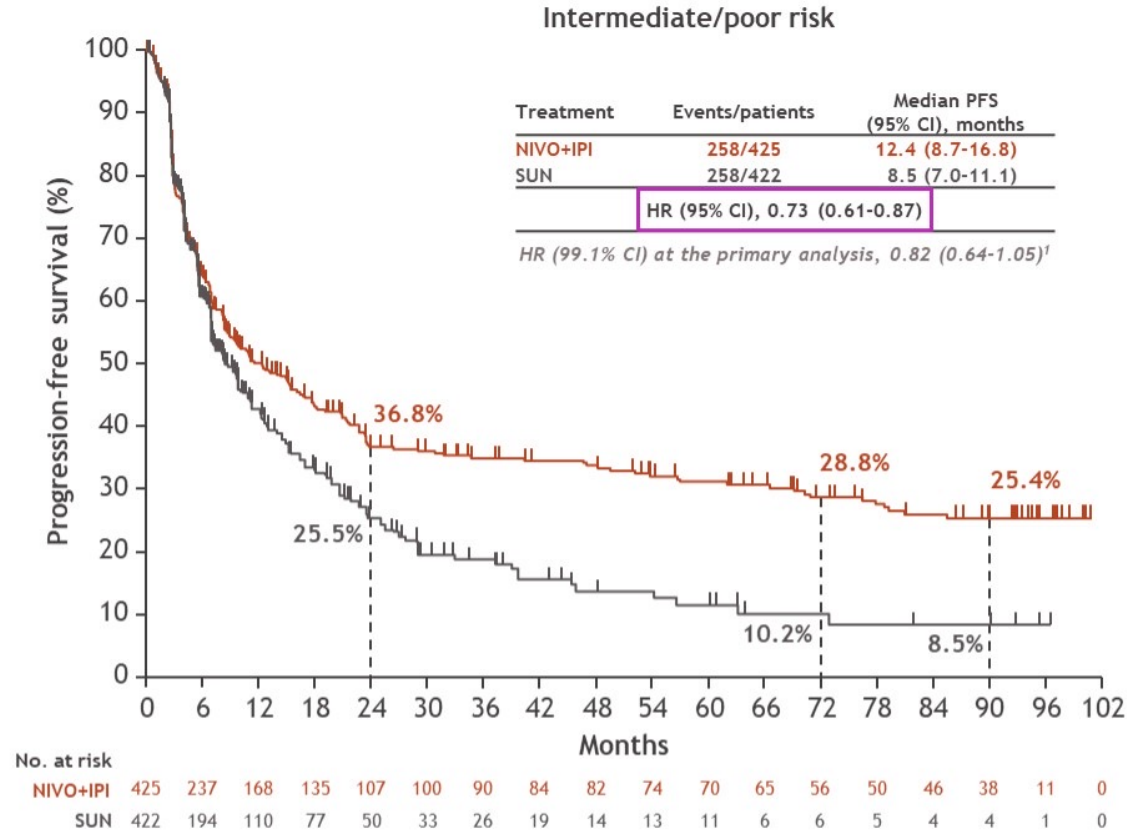
Overall survival

- The HR for OS has been stable over 8 years of median follow-up in ITT and intermediate/poor-risk patients and has improved over time in favorable risk patients



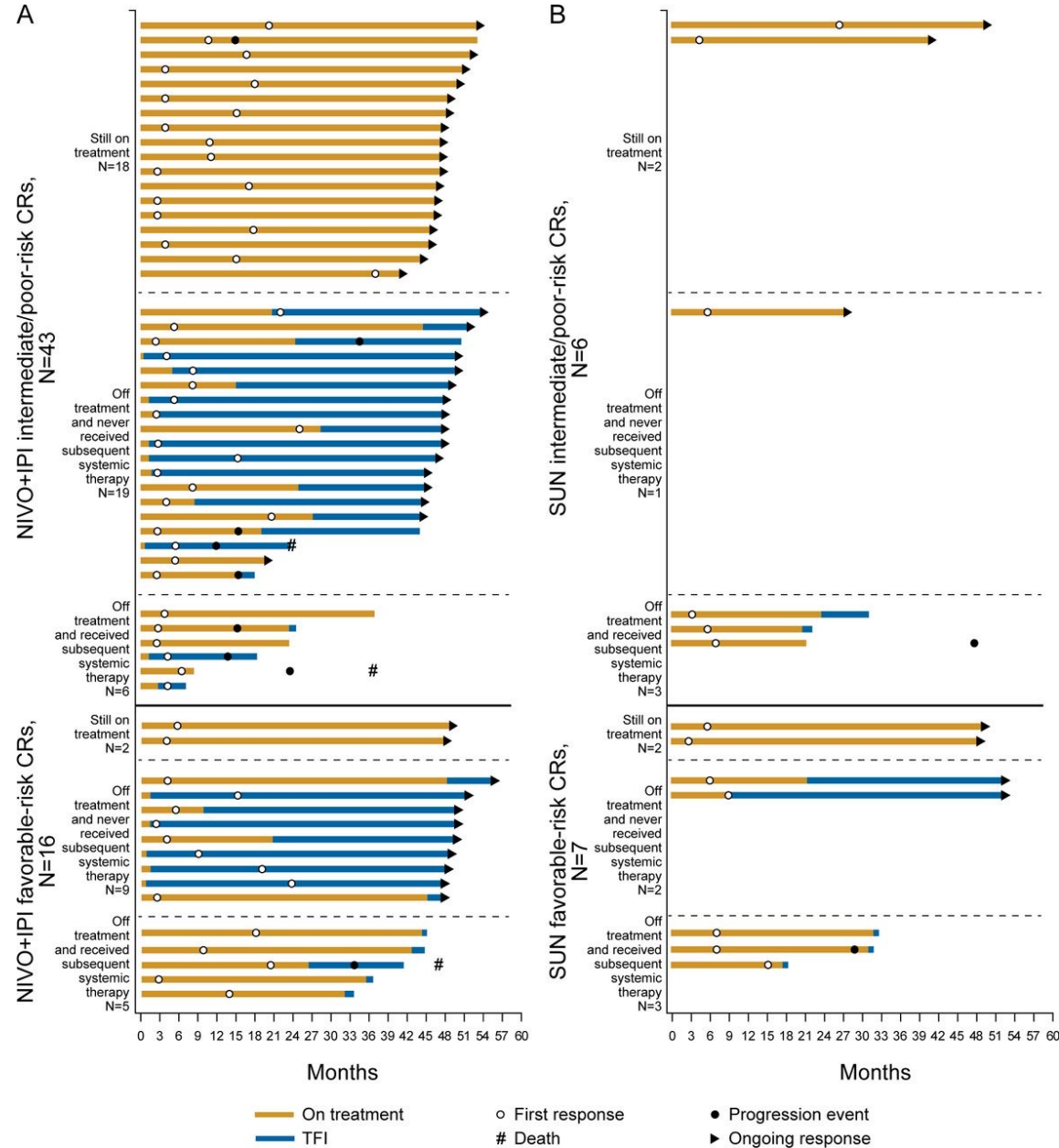
Stratified Cox proportional hazards model.
1. Motzer RJ, et al. *N Engl J Med* 2018;378:1277-1290.

PFS per IRRC by IMDC risk



Stratified Cox proportional hazards model.
 1. Motzer RJ, et al. *N Engl J Med* 2018;378:1277-1290.

Treatment-free interval and response outcomes in complete responders.

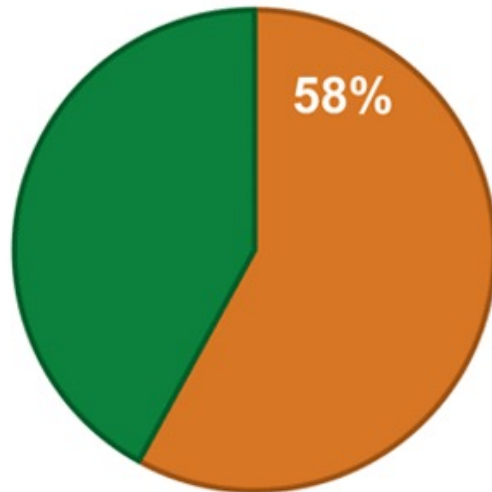


Motzer *et al.* J Immunother Cancer 2020

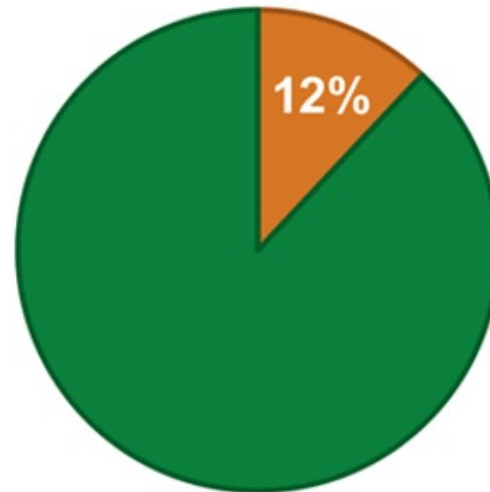
Patient Perspectives: Treatment Discontinuation



Q. Current treatments for RCC require continuous therapy. However, research suggests that patients might be able to safely discontinue therapy after a period of time and maintain efficacy. If your doctor suggested stopping your therapy because your disease was well controlled, how would you feel?^{1,a}



I would be anxious about my cancer progressing



I would feel safer being able to avoid future side effects

Patients are often anxious when stopping therapy, even if data supports it, so they may need further reassurance for why it may be an optimal choice for them

Checkmate 9ER Long Term Follow-up

N = 651

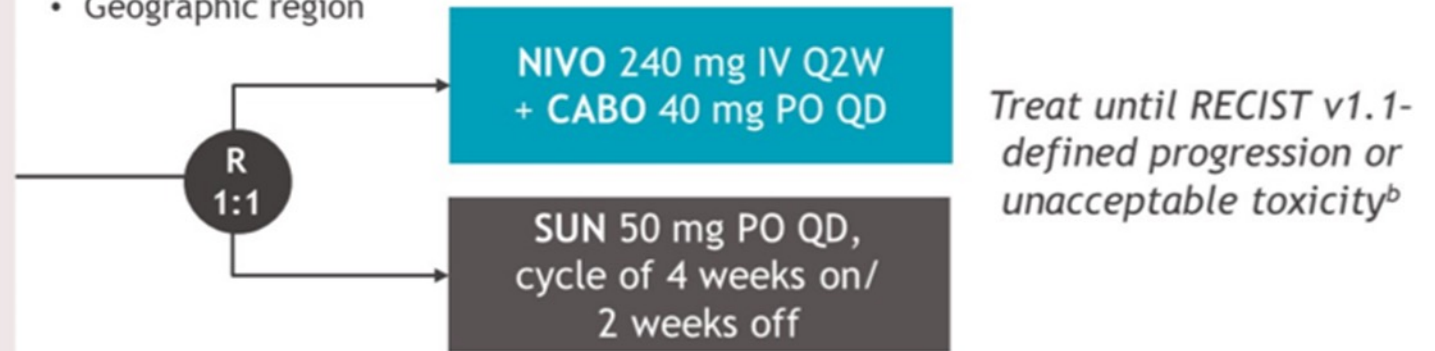
Key inclusion criteria¹

- Previously untreated advanced or metastatic RCC
- Clear cell component
- Any IMDC risk group

Median (range) follow-up for OS in ITT patients,
44.0 (36.5-56.5) months
Database lock, May 27, 2022

Stratification factors:

- IMDC risk score
- Tumor PD-L1 expression^a
- Geographic region



Primary endpoint: PFS per BICR (RECIST v1.1)

Key secondary endpoints: OS, ORR per BICR (RECIST v1.1), and safety

NCI

Designated
Comprehensive
Cancer Center

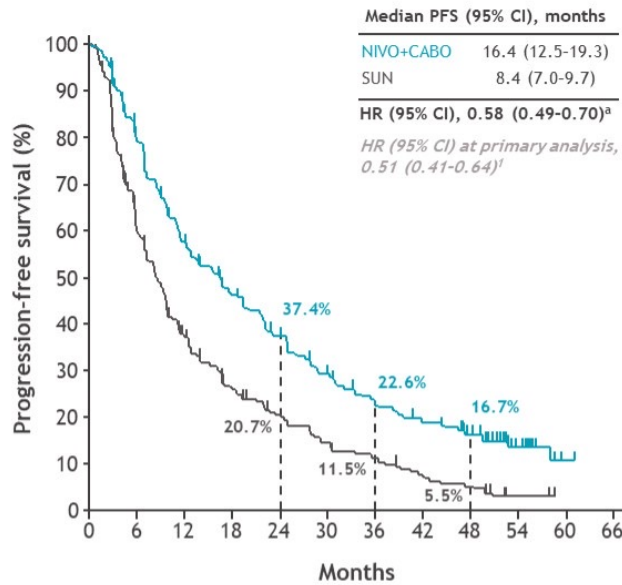
Burotto *et al.* ASCO 2023



@ZakhariaYousef

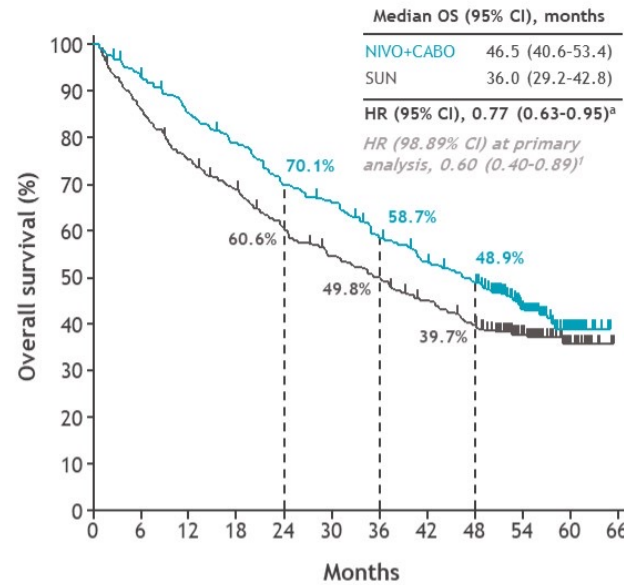
PFS per BICR, OS, ORR per BICR in ITT population

PFS per BICR



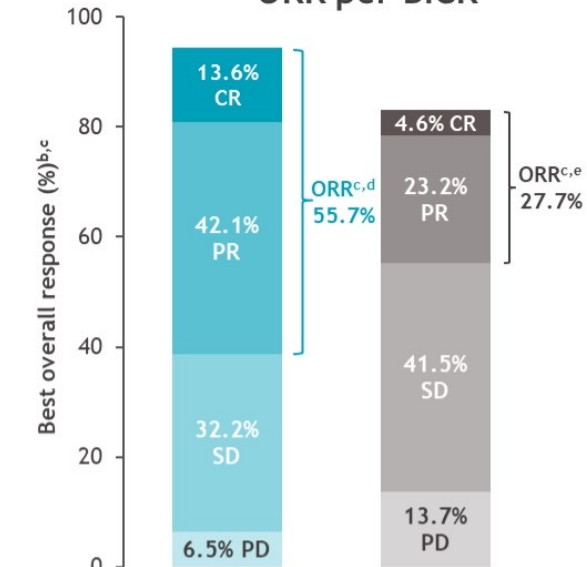
| No. at risk | |
|-------------|--|
| NIVO+CABO | 323 237 168 131 104 79 59 49 38 14 1 0 |
| SUN | 328 161 93 61 45 32 24 15 11 2 0 0 |

OS



| No. at risk | |
|-------------|---|
| NIVO+CABO | 323 298 272 250 222 208 183 164 149 83 18 0 |
| SUN | 328 277 242 219 191 170 155 138 120 66 14 0 |

ORR per BICR



| | NIVO+CABO (n = 323) | SUN (n = 328) |
|--------------------------------------|---------------------|------------------|
| Median TTR (range), mo ^f | 2.8 (1.0-22.2) | 4.3 (1.7-30.4) |
| Median DOR (95% CI), mo ^f | 22.0 (18.0-25.2) | 15.2 (10.9-19.3) |

Median (range) follow-up for OS, 55.6 (48.1-68.1) months (ITT population).

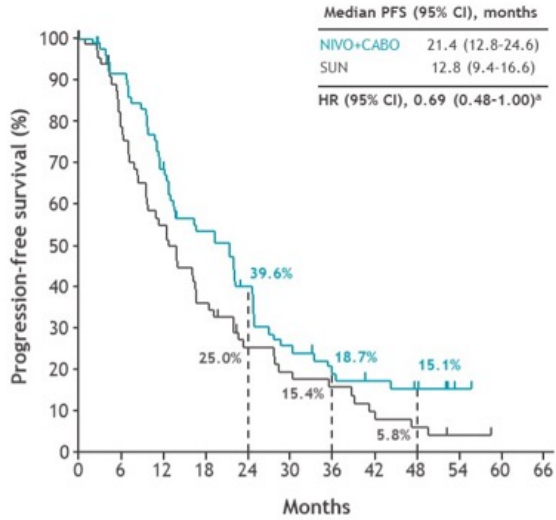
^aStratified Cox proportional hazards model used for HR. ^bUnable to determine/not reported: 5.6% for NIVO+CABO; 17.1% for SUN. ^cNo. of patients with ORR and BOR in NIVO+CABO arm: ORR, n = 180; CR, n = 44; PR, n = 136; SD, n = 104; PD, n = 21. No. of patients with ORR and BOR in SUN arm: ORR, n = 91; CR, n = 15; PR, n = 76; SD, n = 136; PD, n = 45. ^d95% CI, 50.1-61.2.

^e95% CI, 23.0-32.9. ^fTTR and DOR were calculated only for patients who had a CR or PR.

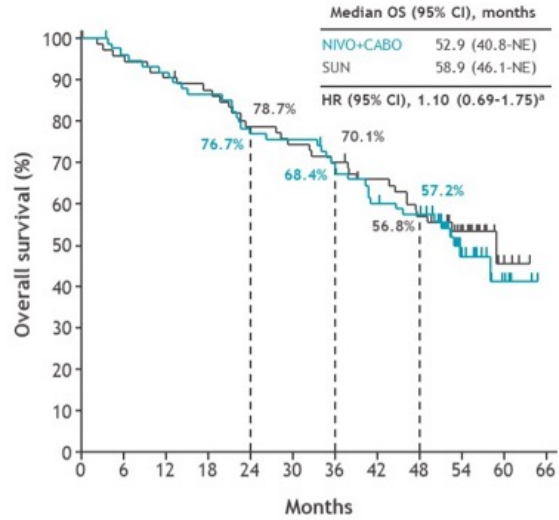
1. Choueiri TK, et al. *N Engl J Med* 2021;384:829-841.

- Favorable Risk

PFS per BICR



OS



No. at risk

| | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 |
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|
| NIVO+CABO | 74 | 63 | 46 | 35 | 25 | 16 | 11 | 9 | 6 | 1 | 0 | 0 |
| SUN | 72 | 46 | 32 | 21 | 13 | 10 | 8 | 4 | 3 | 1 | 0 | 0 |

No. at risk

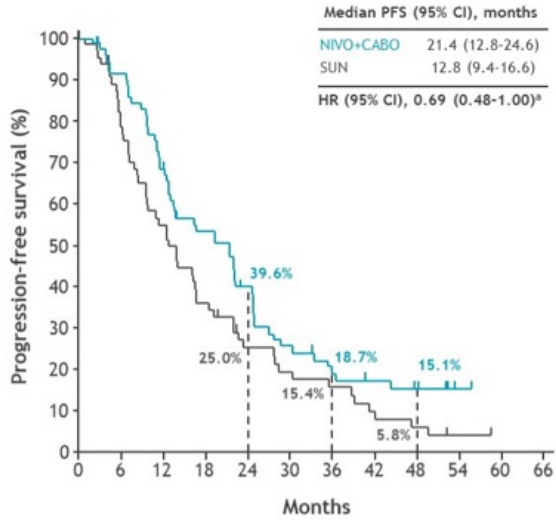
| | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 |
|-----------|----|----|----|----|----|----|----|----|----|----|----|----|
| NIVO+CABO | 74 | 70 | 67 | 63 | 56 | 55 | 49 | 43 | 40 | 18 | 5 | 0 |
| SUN | 72 | 68 | 64 | 61 | 55 | 52 | 49 | 44 | 38 | 20 | 3 | 0 |



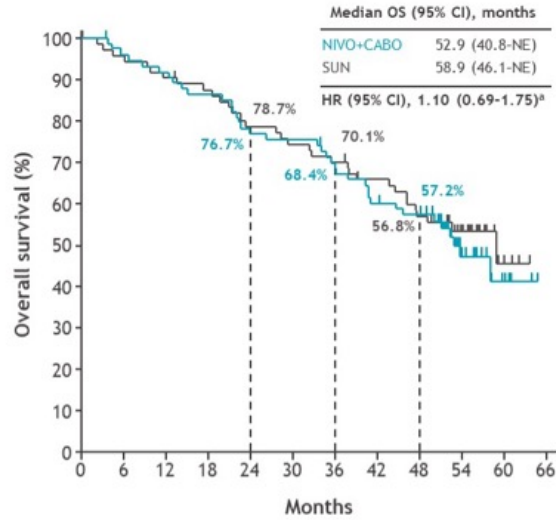
- Favorable Risk

- Intermediate/ Poor

PFS per BICR



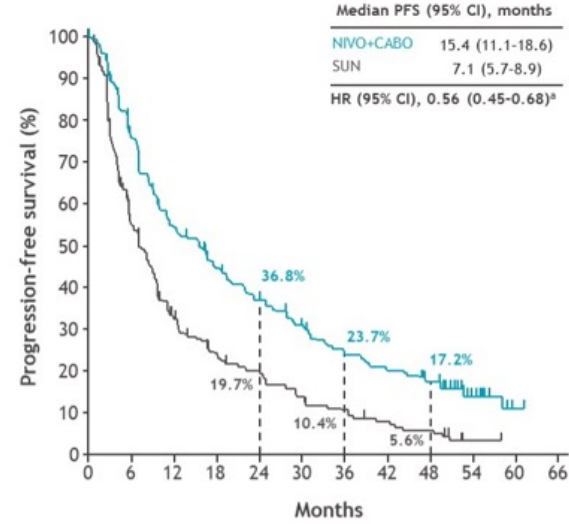
OS



| No. at risk | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 |
|-------------|----|----|----|----|----|----|----|----|----|----|----|----|
| NIVO+CABO | 74 | 63 | 46 | 35 | 25 | 16 | 11 | 9 | 6 | 1 | 0 | 0 |
| SUN | 72 | 46 | 32 | 21 | 13 | 10 | 8 | 4 | 3 | 1 | 0 | 0 |

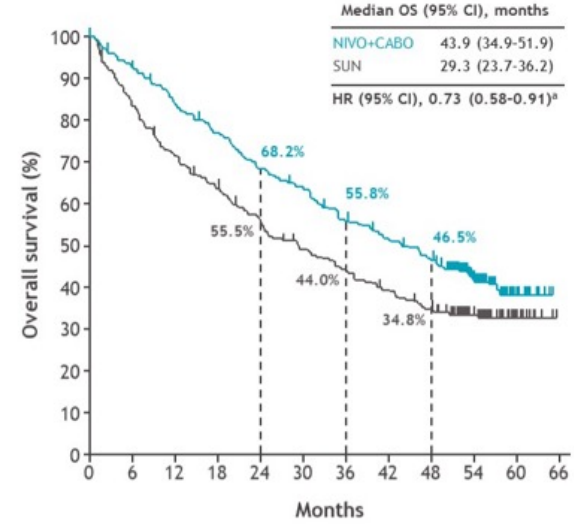
| No. at risk | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 |
|-------------|----|----|----|----|----|----|----|----|----|----|----|----|
| NIVO+CABO | 74 | 70 | 67 | 63 | 56 | 55 | 49 | 43 | 40 | 18 | 5 | 0 |
| SUN | 72 | 68 | 64 | 61 | 55 | 52 | 49 | 44 | 38 | 20 | 3 | 0 |

PFS per BICR



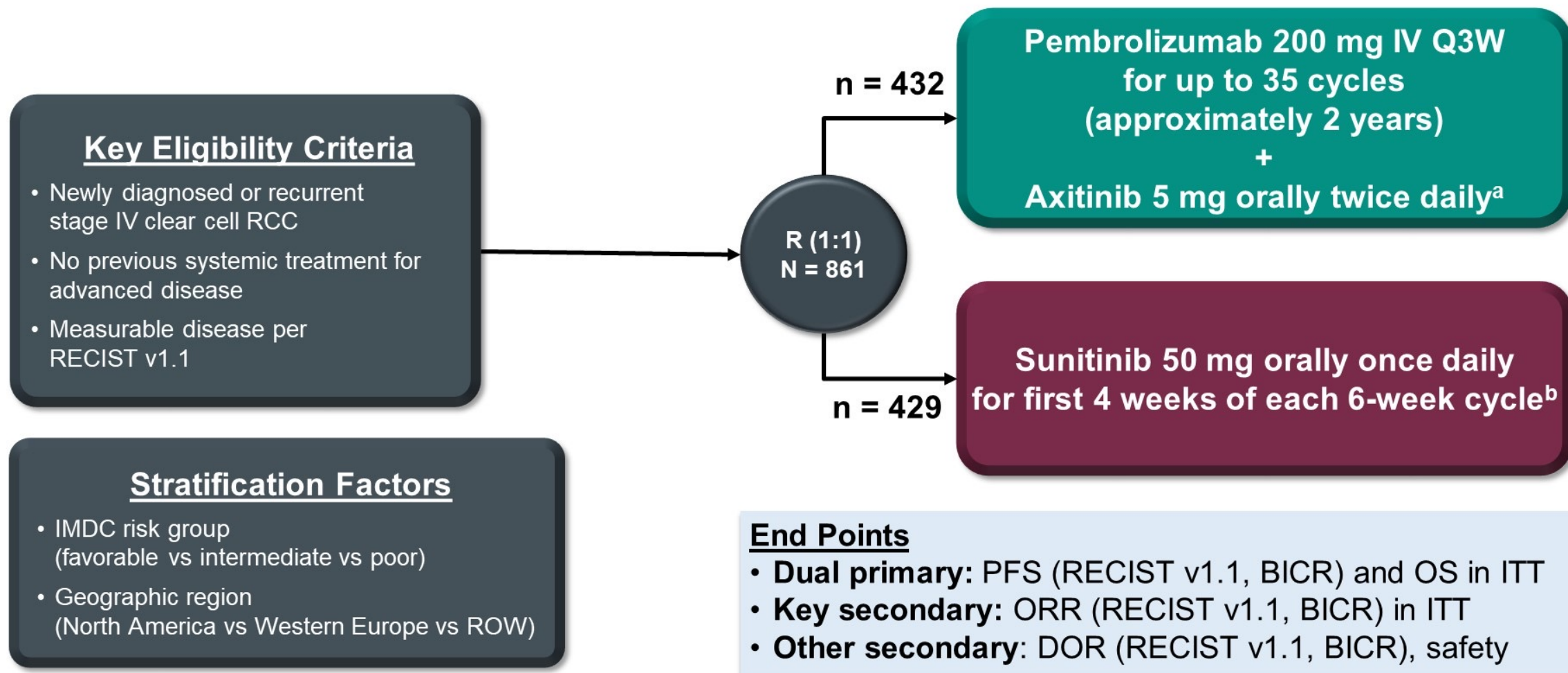
| No. at risk | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 |
|-------------|-----|-----|-----|----|----|----|----|----|----|----|----|----|
| NIVO+CABO | 249 | 174 | 122 | 96 | 79 | 63 | 48 | 40 | 32 | 13 | 1 | 0 |
| SUN | 256 | 115 | 61 | 40 | 32 | 22 | 16 | 11 | 8 | 1 | 0 | 0 |

OS



| No. at risk | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| NIVO+CABO | 249 | 228 | 205 | 187 | 166 | 153 | 134 | 121 | 109 | 65 | 13 | 0 |
| SUN | 256 | 209 | 178 | 158 | 136 | 118 | 106 | 94 | 82 | 46 | 11 | 0 |

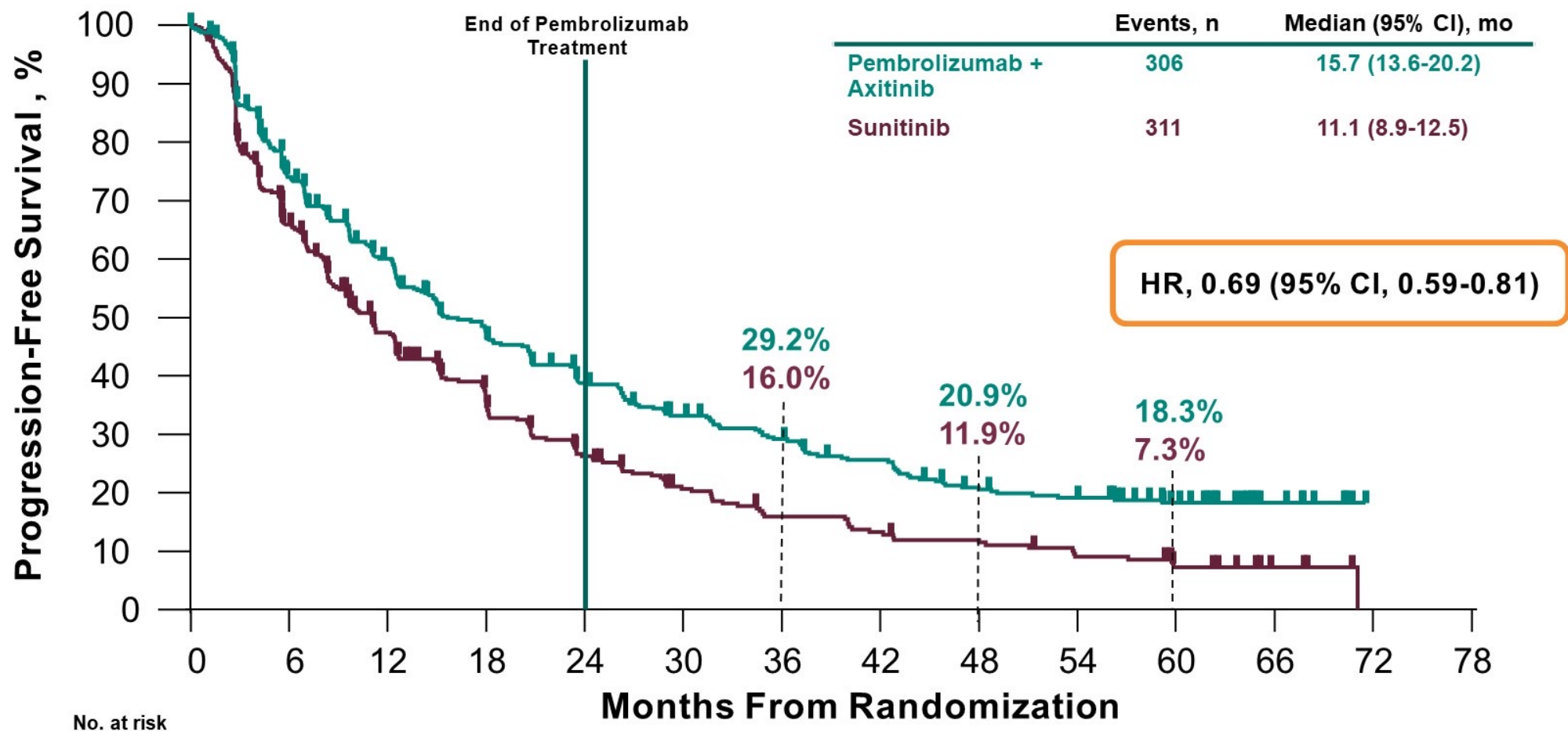
KEYNOTE-426 Study Design (NCT02853331)



BICR, blinded independent central review; DOR, duration of response; IMDC, International Metastatic RCC Database Consortium; ITT, intention-to-treat; IV, intravenously; Q3W, every 3 weeks; R, randomized; ROW, rest of world.

^aAxitinib dose could be increased to 7 mg, then 10 mg, twice daily if safety criteria were met; dose could be reduced to 3 mg, then 2 mg, twice daily to manage toxicity. ^bSunitinib dose could be decreased to 37.5 mg, then 25 mg, once daily for the first 4 weeks of each 6-week cycle to manage toxicity. Data cutoff: January 23, 2023.

Progression-Free Survival in the ITT Population

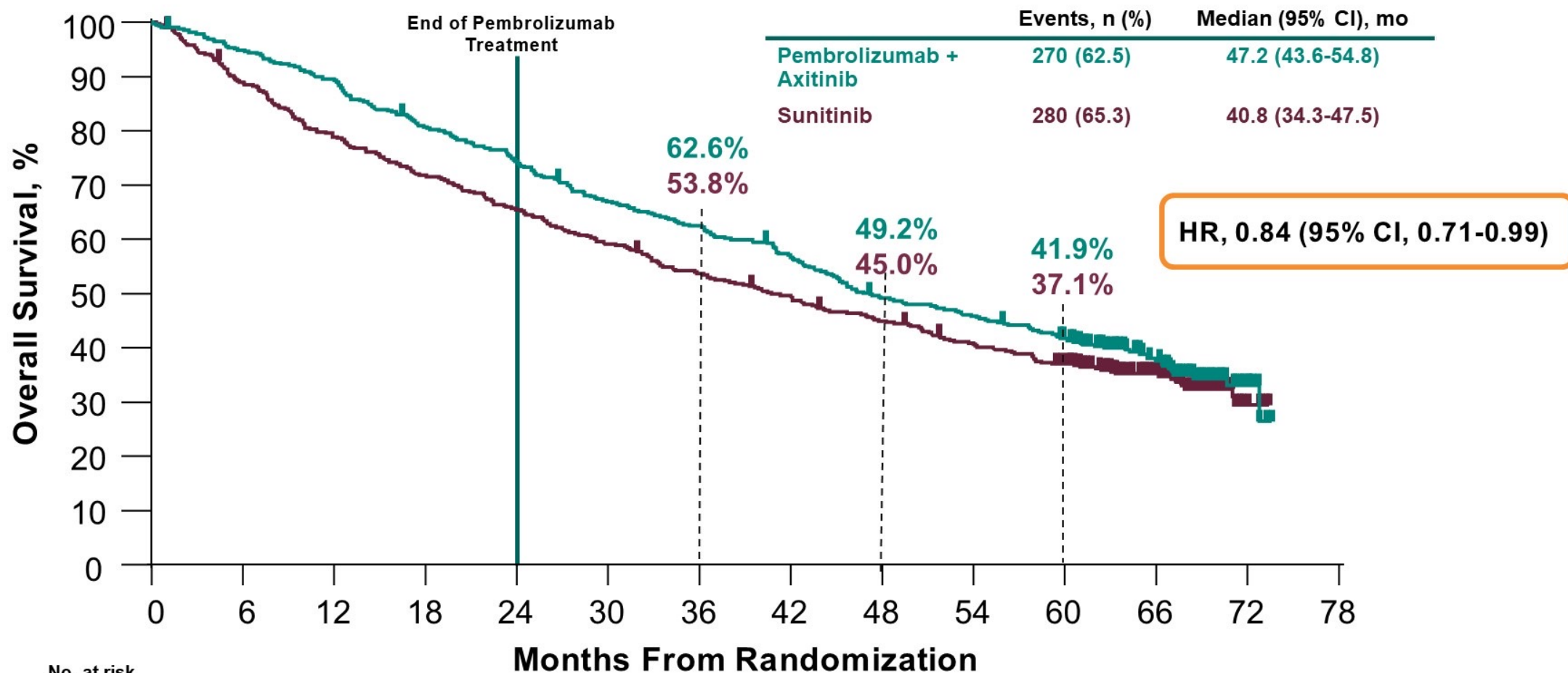


No. at risk

| | | | | | | | | | | | | | | |
|-------------------|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|---|---|
| Pembro + Axitinib | 432 | 297 | 232 | 179 | 136 | 110 | 92 | 77 | 60 | 54 | 37 | 11 | 0 | 0 |
| Sunitinib | 429 | 245 | 156 | 109 | 74 | 49 | 36 | 30 | 26 | 17 | 11 | 4 | 0 | 0 |

Data cutoff: January 23, 2023.

Overall Survival in the ITT Population



No. at risk

| | 0 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 66 | 72 | 78 |
|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| Pembro + Axitinib | 432 | 409 | 386 | 347 | 320 | 287 | 268 | 242 | 209 | 194 | 173 | 88 | 14 | 0 |
| Sunitinib | 429 | 379 | 336 | 306 | 279 | 252 | 228 | 210 | 189 | 170 | 152 | 76 | 9 | 0 |

Data cutoff: January 23, 2023.

Phase 3 CLEAR Study: First-line Lenvatinib + Pembrolizumab or Everolimus Versus Sunitinib

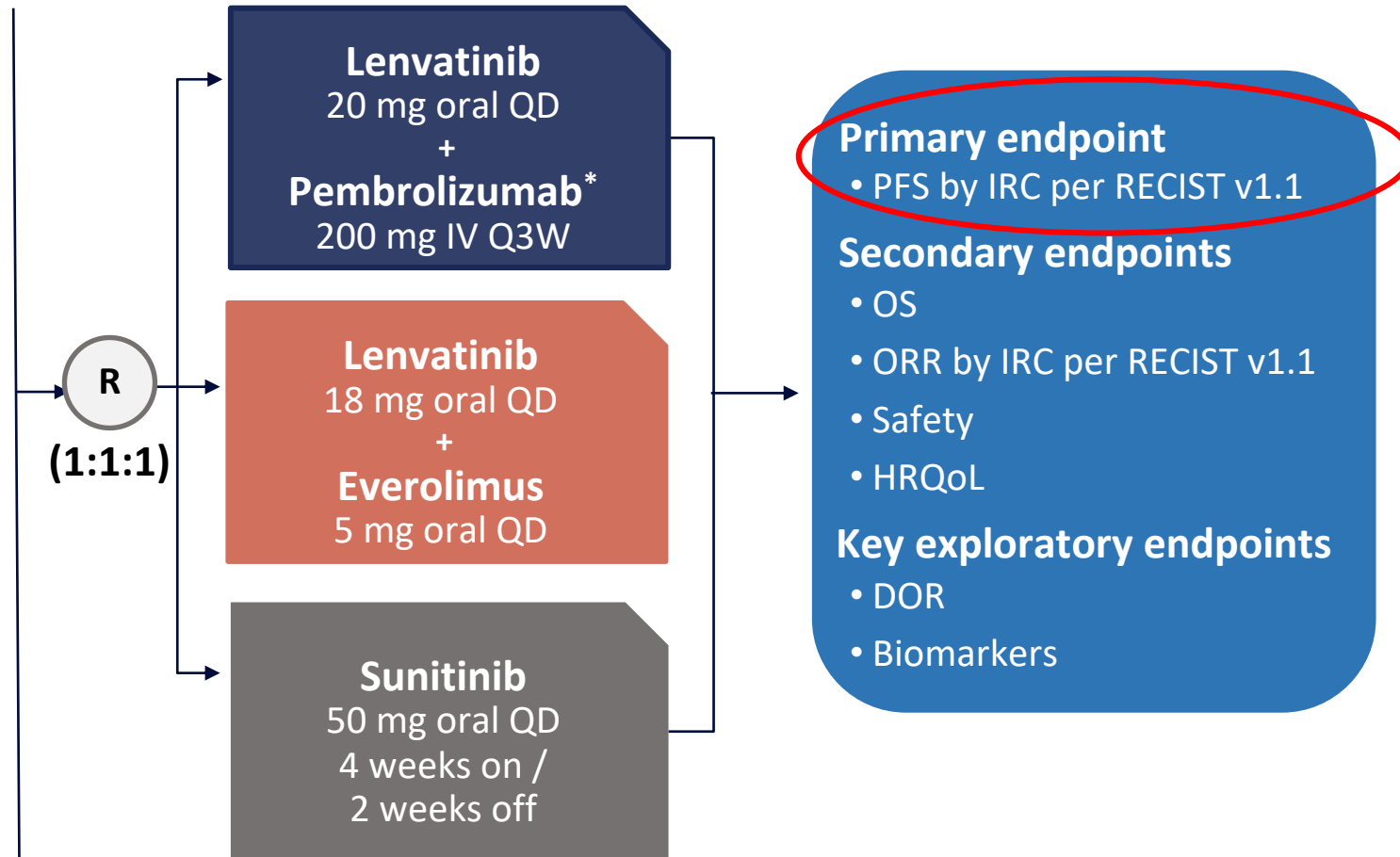
Key eligibility criteria

Advanced clear-cell RCC
Treatment-naïve
Karnofsky PS ≥ 70
Measurable disease
Adequate organ function

Stratification factors

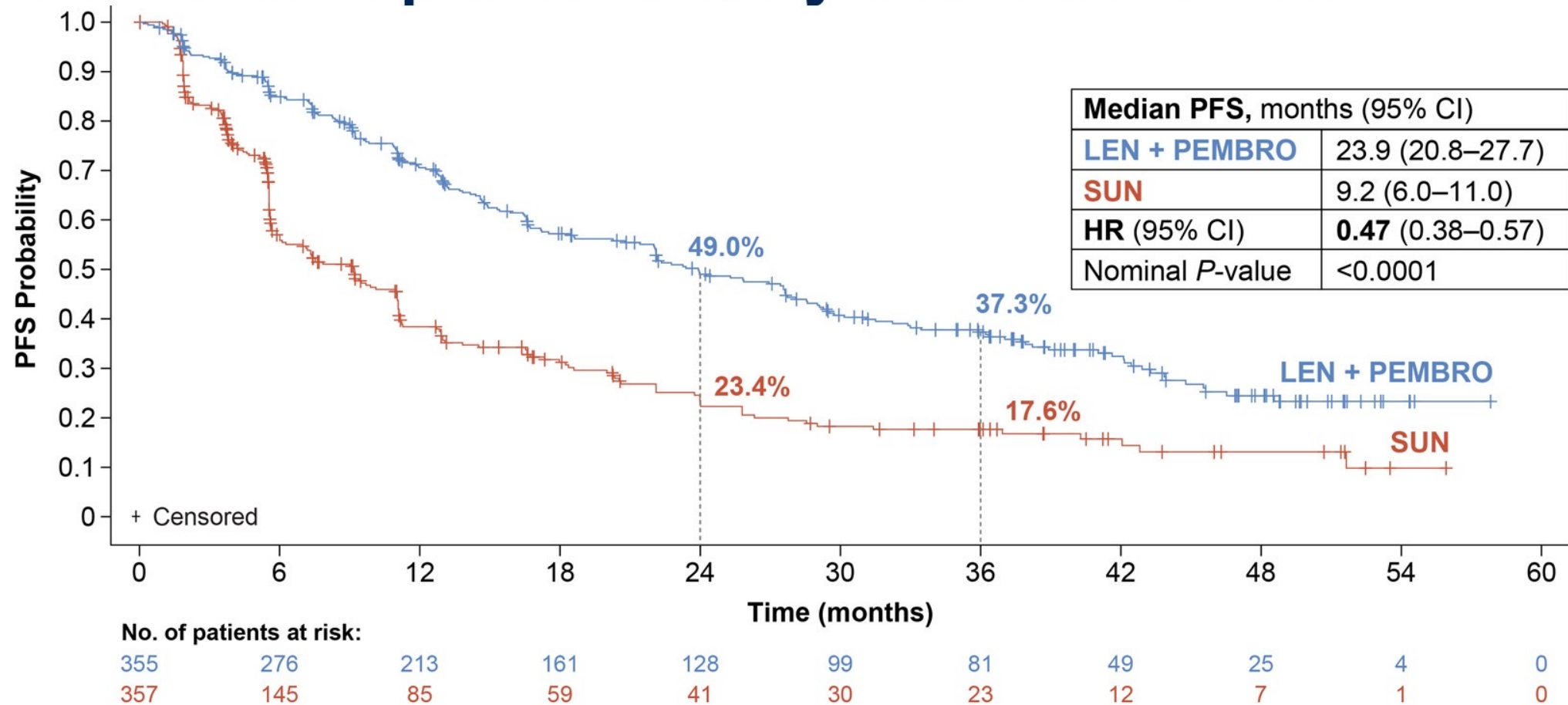
Geographic region: Western Europe and North America vs Rest of the World

MSKCC risk category: Favorable, Intermediate, or Poor



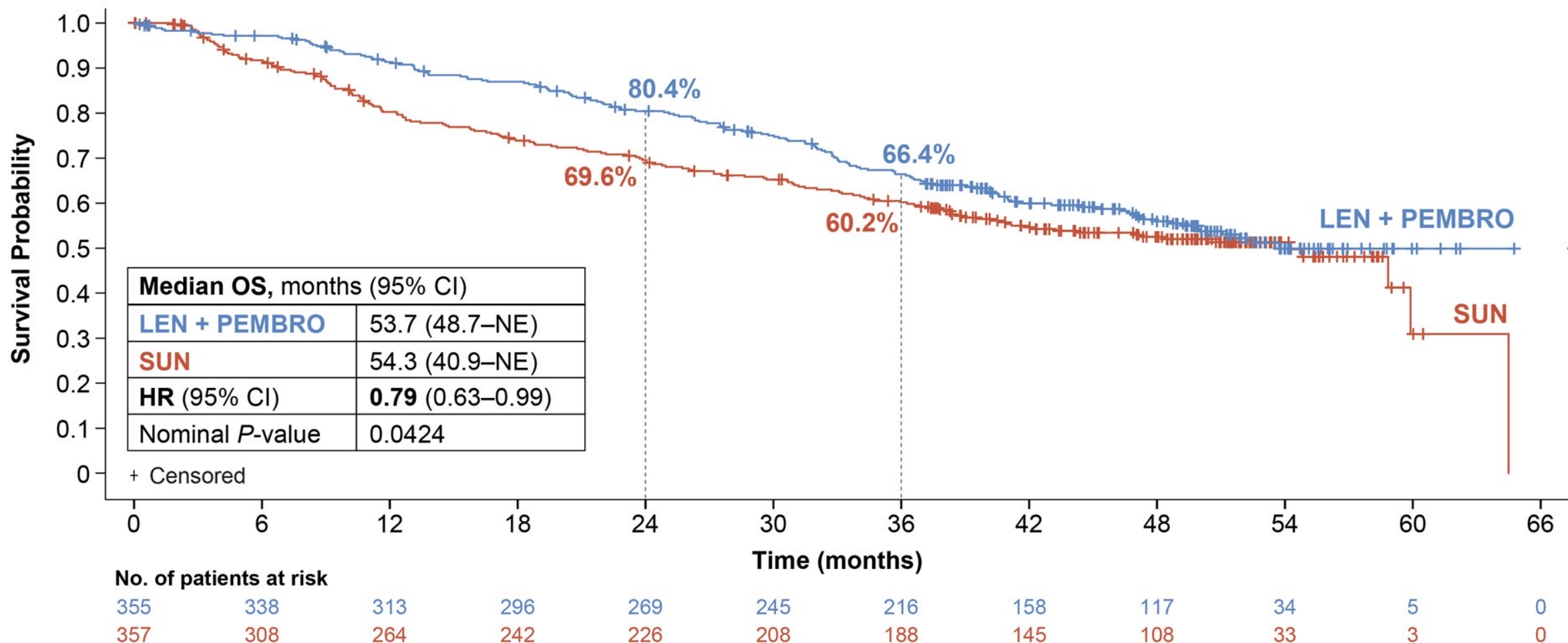
*Patients could receive a maximum of 35 pembrolizumab treatments.
DOR, duration of response; HRQoL, Health-related quality of life; IRC, Independent Review Committee; MKSCC, Memorial Sloan Kettering Cancer Center; ORR, objective response rate; OS, overall survival; R, randomization.

Continued PFS benefit of **LEN+PEMBRO** vs **SUN** with follow up extended by over 23 months



Median follow-up time (IQR) for PFS was 39.2 months (22.1–48.5) in the lenvatinib plus pembrolizumab group and 20.6 months (5.5–41.2) in the sunitinib group. PFS was determined by independent imaging review per RECIST v1.1. The 95% CIs were estimated with a generalized Brookmeyer and Crowley method. Hazard ratio is based on a Cox Proportional Hazards Model including treatment group as a factor; Efron method was used for ties and stratified by geographic region (Region 1: Western Europe and North America, Region 2: Rest of the World) and MSKCC prognostic groups (favorable, intermediate and poor risk) in IxRS.

Final OS analysis

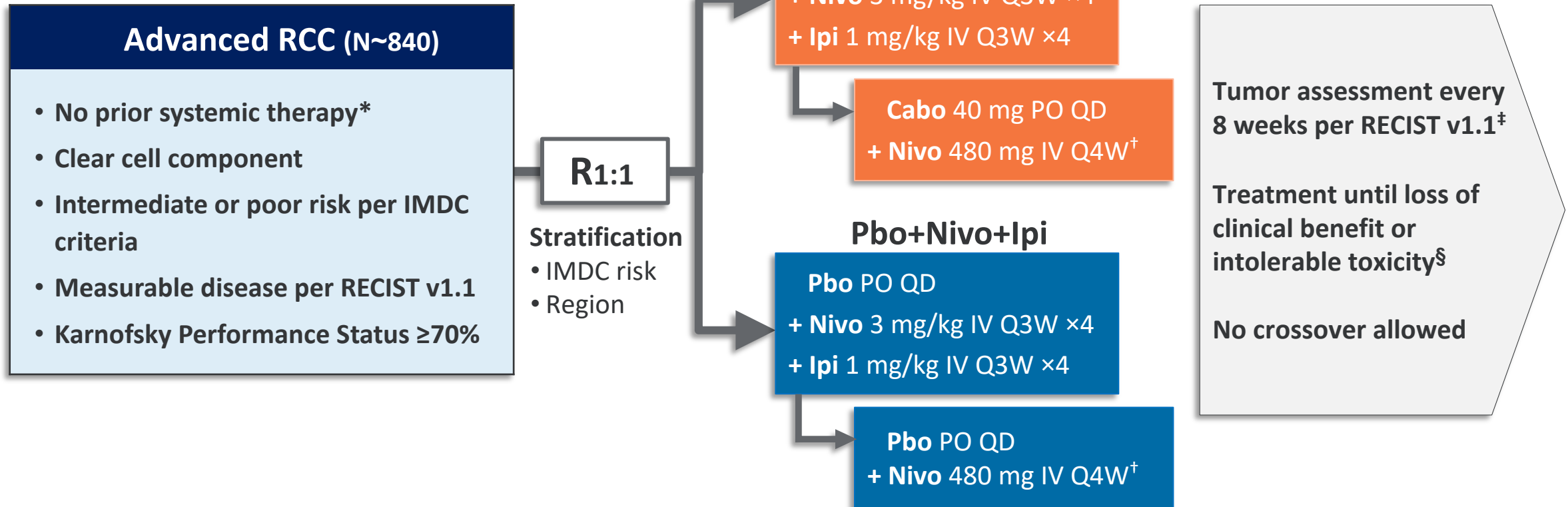


At median OS follow-up time (IQR) of **49.8 months** (41.4–53.1) in the lenvatinib plus pembrolizumab group and **49.4 months** (41.6–52.8) in the sunitinib group, 308 target OS events had occurred (lenvatinib plus pembrolizumab, 149 events; sunitinib, 159 events). The HR and 2-sided 95% CI for lenvatinib plus pembrolizumab vs sunitinib were estimated by a stratified Cox proportional hazards model with Efron's method for ties, stratified by geographic region and MSKCC prognostic groups.

| | Pros | Cons |
|---------|--|---|
| IO/ TKI | <ul style="list-style-type: none"> • Consistent efficacy data. • High ORR, rapid shrinkage. • Manageable toxicities* | <ul style="list-style-type: none"> • Durability not as attractive as IO/IO • Unclear if we can stop TKI. • Hence more chronic TKI tox. |
| IO/ IO | <ul style="list-style-type: none"> • Durability of response • Long OS data • Treatment free survival • QOL might be better than TKI. | <ul style="list-style-type: none"> • Acute tox at the combo phase. • On cruise control once passed induction but delayed IO tox could be issue. • Higher PD rate, lower ORR. • I haven't used it in favorable risk. |

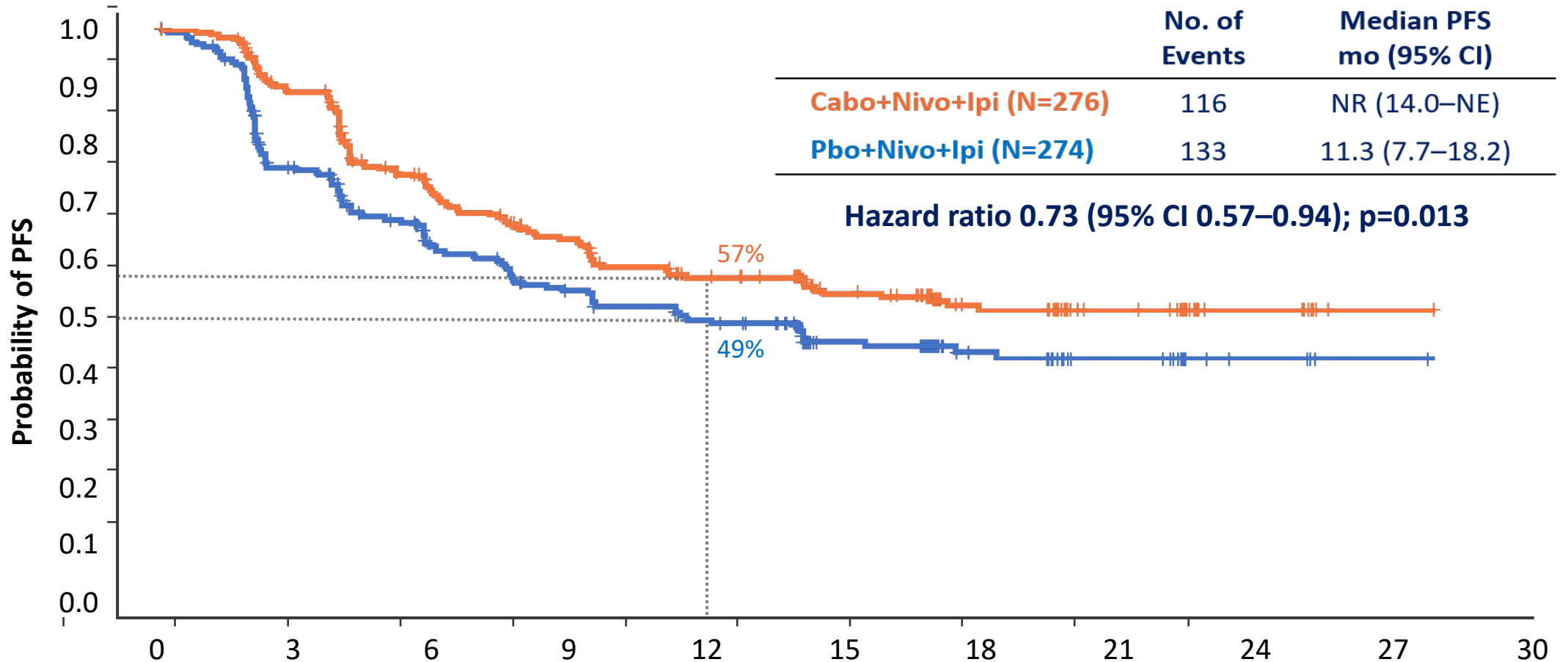
What about triple therapy?

COSMIC-313 Study Design



*One prior systemic adjuvant therapy allowed for completely resected RCC and if recurrence occurred ≥ 6 months after the last dose of adjuvant therapy; adjuvant PD-1 or PD-L1 inhibitor in combination with a CTLA-4 inhibitor not permitted. [†]Nivolumab given for a maximum of 2 years. [‡]Tumor assessment (RECIST v1.1) at week 10, then every 8 weeks through week 50, then every 12 weeks thereafter. [§]Discontinuation of one agent did not mandate discontinuation of all agents.

Progression-Free Survival: Final Analysis (PITT Population)



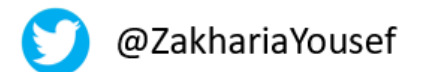
| | No. of Events | Median PFS mo (95% CI) |
|------------------------------|---------------|------------------------|
| Cabo+Nivo+Ipi (N=276) | 116 | NR (14.0–NE) |
| Pbo+Nivo+Ipi (N=274) | 133 | 11.3 (7.7–18.2) |

| Number at Risk | | Months | | | | | | | | | | |
|----------------|-----|--------|-----|-----|-----|----|----|----|----|----|----|----|
| | | 0 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| Cabo+Nivo+Ipi | 276 | 234 | 170 | 145 | 119 | 97 | 56 | 33 | 10 | 1 | 0 | |
| Pbo+Nivo+Ipi | 274 | 185 | 136 | 115 | 98 | 69 | 37 | 19 | 5 | 1 | 0 | |

PFS per RECIST v1.1 by BIRC.

Date of the 249th event: Aug 23, 2021

Choueiri *et al.* ESMO 2022



Tumor Response (PITT Population)

| | Cabo+Nivo+Ipi (N=276) | Pbo+Nivo+Ipi (N=274) |
|---|--------------------------|-------------------------|
| Objective response rate (95% CI), % | 43 (37.2–49.2) | 36 (30.1–41.8) |
| Best overall response, n (%) | | |
| Complete response | 7 (3) | 9 (3) |
| Partial response | 112 (41) | 89 (32) |
| Stable disease | 119 (43) | 100 (36) |
| Progressive disease | 23 (8) | 55 (20) |
| Not evaluable | 15 (5) | 21 (8) |
| Disease control rate, % | 86 | 72 |
| Median time to objective response (range), mo | 2.4 (1.5–17.1) | 2.3 (1.9–16.8) |
| Median duration of response (95% CI), mo | NR (20.2–NE) | NR (NE–NE) |

Tumor response per RECIST v1.1 by BIRC

Disease control rate = complete response + partial response + stable disease

Treatment Exposure and Discontinuation

| | Cabo+Nivo+Ipi (N=426) | Pbo+Nivo+Ipi (N=424) |
|--|--------------------------|-------------------------|
| Median duration of exposure of study treatment (range), mo | 10.9 (0.2–28.5) | 10.3 (0.1–28.1) |
| Median average daily dose (range) of Cabo or Pbo, mg | 23.2 (3.6–40.0) | 36.1 (0.8–40.0) |
| Median Nivo infusions (range) received, no | 10 (1–27) | 9 (1–27) |
| Doses of Ipi received, % | | |
| 4 | 58 | 73 |
| 3 | 13 | 14 |
| 2 | 22 | 7 |
| 1 | 7 | 6 |
| Any dose hold due to an AE, % | 90 | 70 |
| Any dose reduction of Cabo or Pbo due to an AE, % | 54 | 20 |
| Treatment-related AE leading to discontinuation, % | | |
| Any study treatment | 45 | 24 |
| Cabo or Pbo | 28 | 14 |
| Nivo | 26 | 18 |
| Ipi | 30 | 12 |
| All treatment components (due to the same AE) | 12 | 5 |

Data cut-off: Jan 31, 2022

Choueiri *et al.* ESMO 2022

My approach:

- Does patient need urgent reduction or can afford potential progression.
- What comorbidities, contraindication to either IO or TKI.
- What IMDC risk stratification.
- Patient long term goals of treatment.
- How much copay.
- Long acting vs. short acting TKI.
- No one size fits all.

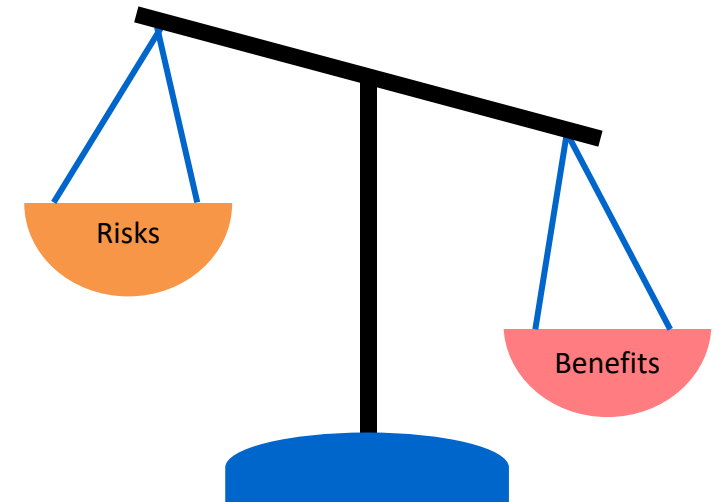
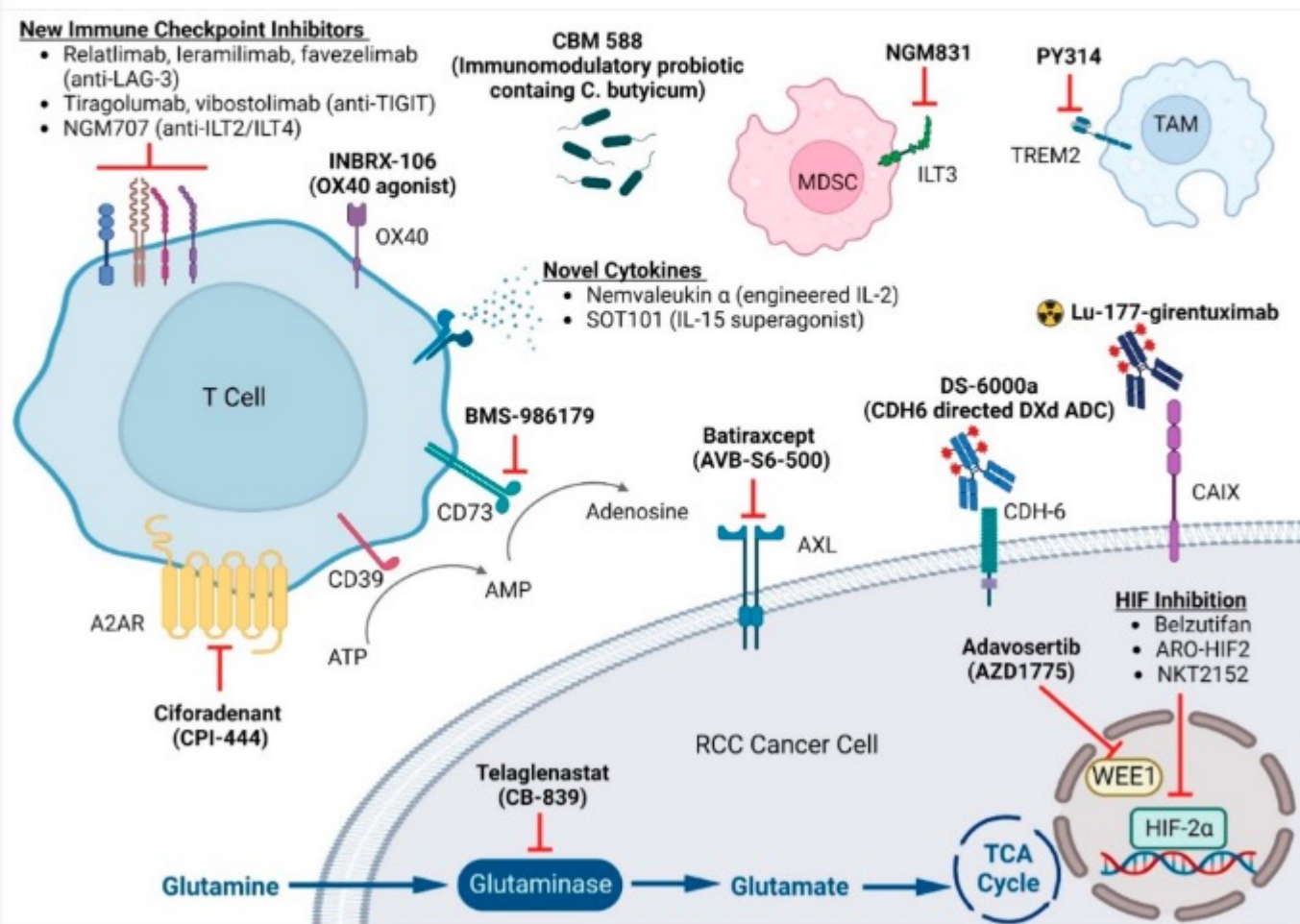


Figure 1. Emerging Targets in Clear Cell Renal Cell Carcinoma. This figure is created with BioRender.com. LAG-3: Lymphocyte-activation gene 3; TIGIT: T cell immunoreceptor with Ig and ITIM domains; ILT: Ig-like transcript; MDSC: Myeloid-derived suppressor cell; TAM: tumor-associated macrophage; A2AR: adenosine 2A receptors; ATP: adenosine triphosphate; AMP: adenosine monophosphate; CDH6: human cadherin 6; CAIX: carbonic anhydrase IX; TCA: tricarboxylic acid; HIF: hypoxia-inducible factor.



How about adjuvant therapy

| Trial | Arms | Years | N | Primary Endpoint | Clear Cell Only | Eligibility | Hazard Ratio Confidence Interval |
|---|------------------------------------|-------|------|------------------|-----------------|-------------------------------|--|
| ASSURE (Hass, <i>Lancet</i> 2016) | Sunitinib vs Sorafenib vs Placebo* | 1 | 1943 | DFS | No | pT1bG3-4N0, pT2-4GxN0, TxGxN+ | Sunitinib: 1.02 (97.5% CI, 0.85-1.23) Sorafenib: 0.97 (97.5% CI, 0.80-1.17) |
| STRAC (Ravaud, <i>N Engl J Med</i> 2016) | Sunitinib vs Placebo | 1 | 615 | DFS | Yes | pT3-4GxN0-x TxGxN1-2 | 0.76 (95% CI, 0.59-0.98) |
| PROTECT (Motzer, <i>J Clin Oncol</i> 2017) | Pazopanib vs. Placebo* | 1 | 1538 | DFS | Yes | pT2G3-4N0 pT3-4N0 pTxN1 | 0.86 (95% CI, 0.70-1.06) |
| ATLAS (Gross-Goupil, <i>Ann Oncol</i> 2018) | Axitinib vs Placebo | 1-3 | 724 | DFS | Yes | pT2-4GxN0 pTxN1 | 0.87 (95% CI, 0.66-1.147) |
| SOURCE (Eisen, <i>J Clin Oncol</i> 2020) | Sorafenib vs Placebo* | 1-3 | 1711 | DFS | No | Leibovich Score: 3-11 | 1.01 (95% CI, 0.83-1.23) |
| EVEREST (Ryan C, <i>J Clin Oncol</i> 2022) | Everolimus vs Placebo | 1 | 1545 | RFS | No | pT1bG3-4N0 pT2-4N1 | HR, 0.85 (95% CI, 0.72-1.00) |

Haas NB et al. *Lancet*. 2016;387(10032):2008-2016; Ravaud A et al. *N Engl J Med*. 2016; 375(23):2246-2254; Motzer RJ et al. *J Clin Oncol*. 2017;35(35):3916-3923; Gross-Goupil M, et al. *Ann Oncol*. 2018;29(12):2371-2378; Tacconi EMC, et al. *Onco Targets Ther*. 2020;13:12301-12316; Ryan C, et al. *J Clin Oncol*. 2022;40(17_suppl): Abstract LBA4500.

| Trial | Sample Size | Inclusion Criteria | Treatment | Primary Endpoint | Results |
|----------------------------------|-------------|--|--|------------------|---|
| Keynote-564¹ | 994 | pT2G4, pT3aG3-4, pT3b-T4Gx, pTxN1, pTxNxM1 (resected to NED within 1 year); clear cell | Pembrolizumab vs placebo | DFS | ASCO GU 2022 HR 0.63; p < 0.0001 |
| IMmotion010² | 778 | pT2G4, pT3aG3-4, pT3b-T4Gx, pTxN1, pTxNxM1 (resected to NED*); clear cell | Atezolizumab vs placebo | DFS | ESMO 2022 NS DFS HR 0.93; P=0.4950 |
| CheckMate-914³ | 1600 | pT2aG3-4N0, pT2b-T4GxN0, pTxGxN1; clear cell | Nivolumab + ipilimumab vs. nivolumab + placebo vs placebo (6 months) | DFS | ESMO 2022 Part A (Nivo+Ipi) NS DFS HR, 0.92; P=0.5347 |
| PROSPER RCC⁴ | 766 | cT2Nx, cTxN1, cTxNxM1 (resected to NED); any RCC histology | Nivolumab vs observation | EFS | ESMO 2022 NS DFS HR, 0.97; P=0.43 Trial stopped for futility |

*Metachronous pulmonary, lymph node, or soft tissue recurrence >12 months from nephrectomy.

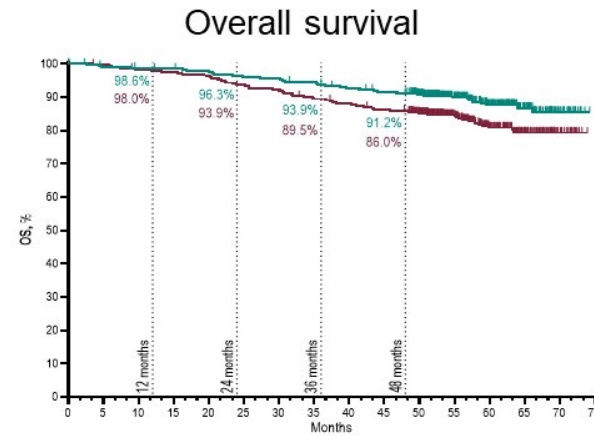
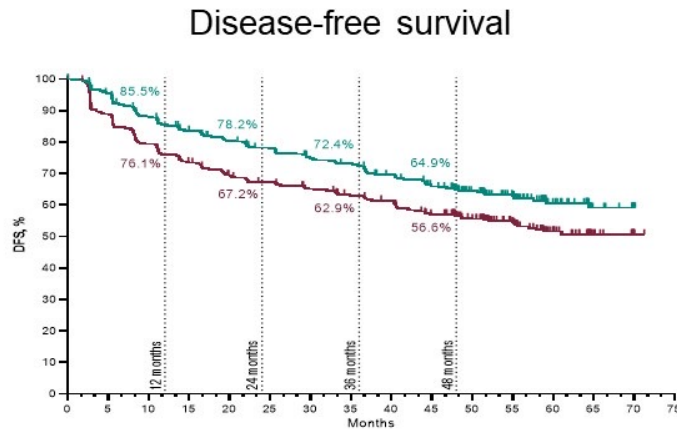
DFS, disease-free survival; EFS, event-free survival; NED, no evidence of disease; RCC, renal cell carcinoma; OS, overall survival; NS, non-significant.

Powles T, et al. *Lancet Oncol.* 2022;23:1133-1144.; Choueiri TK, et al. ASCO GU 2022. Abstract 290.; 2. NCT03024996. 3. NCT03138512. 4. NCT03055013.

KEYNOTE-564 DFS & OS benefit Not By Chance!

| | June 2021 | Sep 2022 | Jan 2024 |
|---|-------------------------------|-------------------------------|-------------------------|
| Analysis | 1 st | 2 nd | 3 rd |
| Median follow up, months | 24.1 | 30 | 57.2 |
| Disease free survival (HR, CI 95%), p-value | 0.68 <i>P=0.0010</i> | 0.63 <i>P<0.0001</i> | 0.72 NE |
| DFS events | 109 vs 151 | 114 vs 169 | 174 vs 224 |
| Overall survival (HR, CI 95%) | 0.54 <i>P=0.0164 (int)</i> | 0.52 <i>P=0.0048 (int)</i> | 0.62 <i>P=0.002*</i> |
| OS events | 18 vs 33 | 23 vs 43 | 55 vs 86 |

- 1st ICI to improve DFS in RCC
- 1st ICI to improve OS in any GU tumor



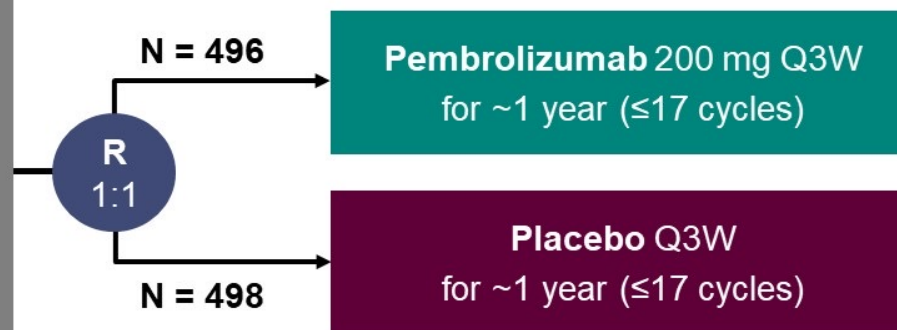
Up to 0.2% chance of Being Struck by Lightning in a Lifetime in certain regions

Source: ChatGPT

KEYNOTE-564 Study (NCT03142334)

Key Eligibility Criteria

- Histologically confirmed clear cell RCC with no prior systemic therapy
- Surgery ≤ 12 weeks prior to randomization
- Postnephrectomy intermediate-high risk of recurrence (M0):
 - pT2, grade 4 or sarcomatoid, N0
 - pT3, any grade, N0
- Postnephrectomy high risk of recurrence (M0):
 - pT4, any grade, N0
 - Any pT, any grade, N+
- Postnephrectomy + complete resection of metastasis (M1 NED)
- ECOG PS 0 or 1



Stratification Factors

- M stage (M0 vs. M1 NED)
- M0 group further stratified:
 - ECOG PS 0 vs. 1
 - US vs. non-US

Primary Endpoint

- Disease-free survival by investigator

Key Secondary Endpoint

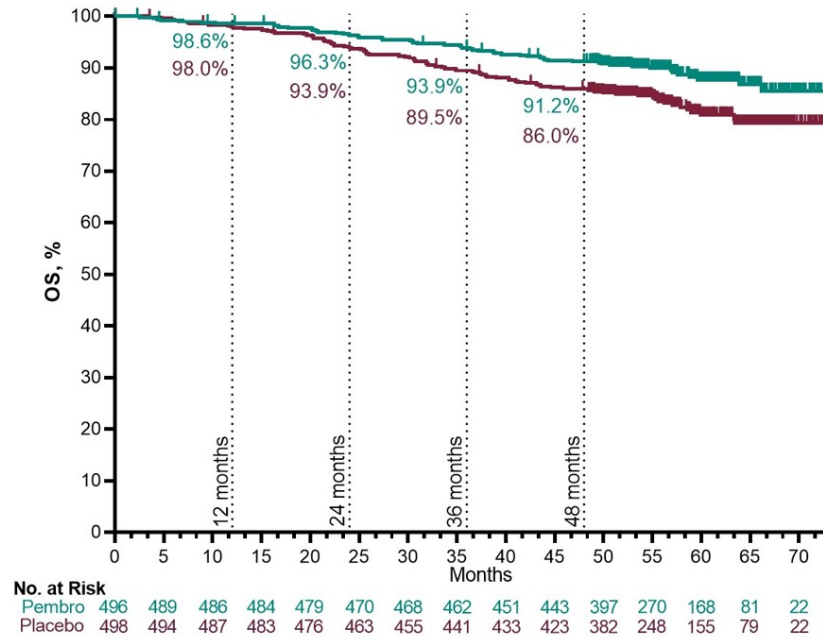
- Overall survival

Other Secondary Endpoints

- Safety

NED, no evidence of disease.

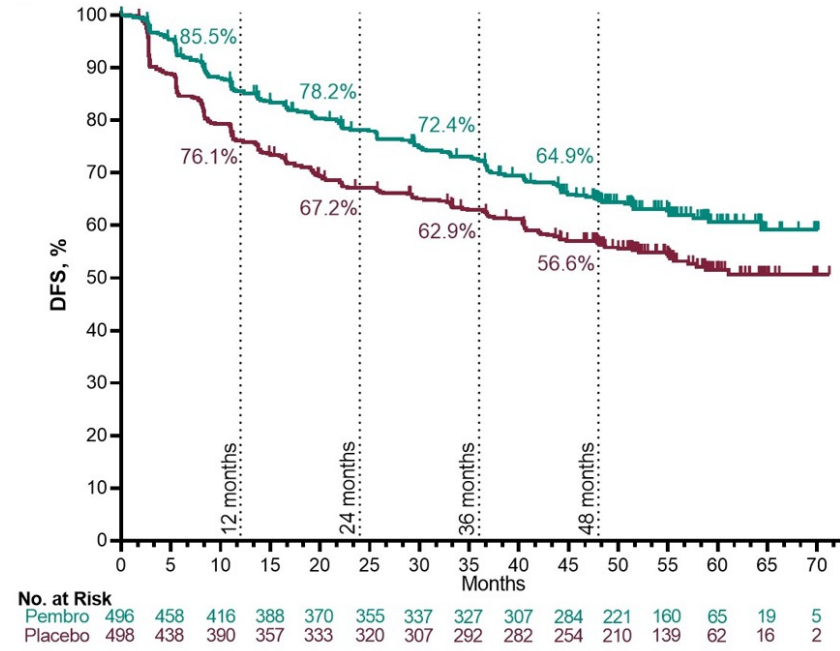
• OS



| | Pembro (N = 496) | Placebo (N = 498) |
|---|---------------------|----------------------|
| Events, n | 55 | 86 |
| Median, mo (95% CI) | NR (NR–NR) | NR (NR–NR) |
| Median follow-up was 57.2 months (range, 47.9–74.5) | | |

HR 0.62 (95% CI 0.44–0.87); P = .002*

• DFS



| | Pembro (N = 496) | Placebo (N = 498) |
|---|---------------------|----------------------|
| Events, n | 174 | 224 |
| Median, mo (95% CI) | NR (NR–NR) | NR (54.9–NR) |
| Median follow-up was 57.2 months (range, 47.9–74.5) | | |

HR 0.72 (95% CI 0.59–0.87)

My take on adjuvant pembro

- It is positive trial, encouraging to see OS data.
- I discuss it with all my eligible clear cell patients.
- But might not push it stage II G3, especially older with comorbidities.
- Higher risk III, sarcomatoid.
- Rarely do metastectomy in my practice.
- Not for Non- clear cell RCC.

Closing Remarks

- The treatment landscape for advanced renal cell carcinoma has been rapidly evolving and patients are living longer and better.
- Both IO/IO and IO/VEGF are suitable frontline treatments for patients.
- Treatment options in the subsequent line space are expanding with the introduction of novel targets in development.
- We're seeing progress in the non-metastatic setting with impact in the management of advanced disease.
- No one size fits all.

- Thank you