

THE LANCET Oncology

Supplementary appendix

This appendix formed part of the original submission and has been peer reviewed.
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Supplement to: Motzer R, Porta C, Alekseev B, et al. Health-related quality-of-life outcomes in patients with advanced renal cell carcinoma treated with lenvatinib plus pembrolizumab or everolimus versus sunitinib (CLEAR): a randomised, phase 3 study. *Lancet Oncol* 2022; published online April 27. [https://doi.org/10.1016/S1470-2045\(22\)00212-1](https://doi.org/10.1016/S1470-2045(22)00212-1).

Appendix

Supplementary Data

Table S1. HRQoL Collection Schedule

Phase	Prerandomization	Randomization (21-day cycles)				
	Baseline	Treatment period				
Day	Days −3 to −1	C1D1	C2D1	C3D1	C4D1 to last cycle D1	OTV
Study-drug treatment		21-day cycles of lenvatinib daily + everolimus daily <i>or</i> 21-day cycles of lenvatinib daily + pembrolizumab intravenously every 21 days <i>or</i> sunitinib daily for 4 weeks plus 2 weeks off				
Tumor assessments		Every 8 weeks from date of randomization (sooner if clinically indicated), until IRR confirmation of progressive disease				X
HRQoL	X		X	X	X	X

The off-treatment visit should occur within 30 days of the final dose of study treatment.

C#, cycle #; D#, day #; HRQoL, health-related quality of life; IRR, independent radiologic review; OTV, off-treatment visit.

Table S2. HRQoL Completion and Compliance Rates

Timepoint	LEN + PEMBRO (n = 355)		SUN (n = 357)		LEN + EVE (n = 357)	
Rate, n (%)	Completion	Compliance	Completion	Compliance	Completion	Compliance
All instruments						
Baseline	338 (95·2)	338/352 (96·0)	328 (91·9)	328/340 (96·5)	343 (96·1)	343/355 (96·6)
Cycle 4	317 (89·3)	317/332 (95·5)	264 (73·9)	264/289 (91·3)	305 (85·4)	305/326 (93·6)
Cycle 8	302 (85·1)	302/309 (97·7)	222 (62·2)	222/237 (93·7)	262 (73·4)	262/269 (97·4)
Cycle 12	277 (78·0)	277/283 (97·9)	171 (47·9)	171/176 (97·2)	206 (57·7)	206/212 (97·2)
Cycle 16	240 (67·6)	240/252 (95·2)	143 (40·1)	143/147 (97·3)	171 (47·9)	171/179 (95·5)
Cycle 20	223 (62·8)	223/234 (95·3)	114 (31·9)	114/119 (95·8)	156 (43·7)	156/160 (97·5)
Cycle 24	192 (54·1)	192/194 (99·0)	93 (26·1)	93/97 (95·9)	123 (34·5)	123/128 (96·1)
Cycle 28	156 (43·9)	156/162 (96·3)	73 (20·4)	73/78 (93·6)	100 (28·0)	100/103 (97·1)
Cycle 32	124 (34·9)	124/138 (89·9)	57 (16·0)	57/58 (98·3)	74 (20·7)	74/79 (93·7)
Cycle 36	97 (27·3)	97/103 (94·2)	47 (13·2)	47/51 (92·2)	53 (14·8)	53/60 (88·3)
Cycle 40	57 (16·1)	57/61 (93·4)	28 (7·8)	28/32 (87·5)	36 (10·1)	36/40 (90·0)
Cycle 44	30 (8·5)	30/31 (96·8)	18 (5·0)	18/18 (100)	12 (3·4)	12/13 (92·3)
Cycle 48	12 (3·4)	12/14 (85·7)	8 (2·2)	8/8 (100)	5 (1·4)	5/5 (100)
Off-treatment	142 (40·0)	142/177 (80·2)	199 (55·7)	199/237 (84·0)	160 (44·8)	160/203 (78·8)
FKSI-DRS						
Baseline	336 (94·6)	336/352 (95·5)	323 (90·5)	323/340 (95·0)	340 (95·2)	340/355 (95·8)
Cycle 4	315 (88·7)	315/332 (94·9)	260 (72·8)	260/289 (90·0)	303 (84·9)	303/326 (92·9)
Cycle 8	302 (85·1)	302/309 (97·7)	222 (62·2)	222/237 (93·7)	261 (73·1)	261/269 (97·0)
Cycle 12	276 (77·7)	276/283 (97·5)	171 (47·9)	171/176 (97·2)	204 (57·1)	204/212 (96·2)
Cycle 16	239 (67·3)	239/252 (94·8)	143 (40·1)	143/147 (97·3)	171 (47·9)	171/179 (95·5)
Cycle 20	222 (62·5)	222/234 (94·9)	114 (31·9)	114/119 (95·8)	156 (43·7)	156/160 (97·5)
Cycle 24	190 (53·5)	190/194 (97·9)	92 (25·8)	92/97 (94·8)	122 (34·2)	122/128 (95·3)
Cycle 28	156 (43·9)	156/162 (96·3)	72 (20·2)	72/78 (92·3)	100 (28·0)	100/103 (97·1)
Cycle 32	124 (34·9)	124/138 (89·9)	57 (16·0)	57/58 (98·3)	74 (20·7)	74/79 (93·7)
Cycle 36	97 (27·3)	97/103 (94·2)	47 (13·2)	47/51 (92·2)	53 (14·8)	53/60 (88·3)
Cycle 40	57 (16·1)	57/61 (93·4)	28 (7·8)	28/32 (87·5)	36 (10·1)	36/40 (90·0)
Cycle 44	30 (8·5)	30/31 (96·8)	18 (5·0)	18/18 (100)	12 (3·4)	12/13 (92·3)
Cycle 48	12 (3·4)	12/14 (85·7)	8 (2·2)	8/8 (100)	5 (1·4)	5/5 (100)
Off-treatment	141 (39·7)	141/177 (79·7)	197 (55·2)	197/237 (83·1)	159 (44·5)	159/203 (78·3)
EORTC QLQ-C30						
Baseline	336 (94·6)	336/352 (95·5)	327 (91·6)	327/340 (96·2)	341 (95·5)	341/355 (96·1)
Cycle 4	316 (89·0)	316/ 332 (95·2)	263 (73·7)	263/289 (91·0)	304 (85·2)	304/326 (93·3)
Cycle 8	302 (85·1)	302/309 (97·7)	222 (62·2)	222/237 (93·7)	262 (73·4)	262/269 (97·4)
Cycle 12	277 (78·0)	277/283 (97·9)	171 (47·9)	171/176 (97·2)	206 (57·7)	206/212 (97·2)
Cycle 16	240 (67·6)	240/252 (95·2)	143 (40·1)	143/147 (97·3)	171 (47·9)	171/179 (95·5)
Cycle 20	223 (62·8)	223/234 (95·3)	114 (31·9)	114/119 (95·8)	156 (43·7)	156/160 (97·5)
Cycle 24	191 (53·8)	191/194 (98·5)	93 (26·1)	93/97 (95·9)	123 (34·5)	123/128 (96·1)
Cycle 28	156 (43·9)	156/162 (96·3)	73 (20·4)	73/78 (93·6)	100 (28·0)	100/103 (97·1)
Cycle 32	124 (34·9)	124/138 (89·9)	57 (16·0)	57/58 (98·3)	74 (20·7)	74/79 (93·7)
Cycle 36	97 (27·3)	97/103 (94·2)	47 (13·2)	47/51 (92·2)	53 (14·8)	53/60 (88·3)
Cycle 40	57 (16·1)	57/61 (93·4)	28 (7·8)	28/32 (87·5)	36 (10·1)	36/40 (90·0)
Cycle 44	30 (8·5)	30/31 (96·8)	18 (5·0)	18/18 (100)	12 (3·4)	12/13 (92·3)
Cycle 48	12 (3·4)	12/14 (85·7)	8 (2·2)	8/8 (100)	5 (1·4)	5/5 (100)
Off-treatment	142 (40·0)	142/177 (80·2)	199 (55·7)	199/237 (84·0)	159 (44·5)	159/203 (78·3)
EQ-5D-3L						
Baseline	338 (95·2)	338/352 (96·0)	324 (90·8)	324/340 (95·3)	342 (95·8)	342/355 (96·3)
Cycle 4	316 (89·0)	316/332 (95·2)	263 (73·7)	263/289 (91·0)	304 (85·2)	304/326 (93·3)

Cycle 8	302 (85·1)	302/309 (97·7)	222 (62·2)	222/237 (93·7)	262 (73·4)	262/269 (97·4)
Cycle 12	276 (77·7)	276/283 (97·5)	171 (47·9)	171/176 (97·2)	205 (57·4)	205/212 (96·7)
Cycle 16	240 (67·6)	240/252 (95·2)	143 (40·1)	143/147 (97·3)	171 (47·9)	171/179 (95·5)
Cycle 20	223 (62·8)	223/234 (95·3)	113 (31·7)	113/119 (95·0)	156 (43·7)	156/160 (97·5)
Cycle 24	192 (54·1)	192/194 (99·0)	93 (26·1)	93/97 (95·9)	123 (34·5)	123/128 (96·1)
Cycle 28	156 (43·9)	156/162 (96·3)	73 (20·4)	73/78 (93·6)	99 (27·7)	99/103 (96·1)
Cycle 32	124 (34·9)	124/138 (89·9)	57 (16·0)	57/58 (98·3)	74 (20·7)	74/79 (93·7)
Cycle 36	97 (27·3)	97/103 (94·2)	47 (13·2)	47/51 (92·2)	53 (14·8)	53/60 (88·3)
Cycle 40	57 (16·1)	57/61 (93·4)	28 (7·8)	28/32 (87·5)	36 (10·1)	36/40 (90·0)
Cycle 44	30 (8·5)	30/31 (96·8)	18 (5·0)	18/18 (100)	12 (3·4)	12/13 (92·3)
Cycle 48	12 (3·4)	12/14 (85·7)	8 (2·2)	8/8 (100)	5 (1·4)	5/5 (100)
Off-treatment	142 (40·0)	142/177 (80·2)	198 (55·5)	198/237 (83·5)	160 (44·8)	160/203 (78·8)

Completion rates: percentage of patients who completed the instrument among all patients who were enrolled in the full analysis set at baseline and were assessed for each of the HRQoL outcomes by assessment time point and treatment arm. Compliance rates: percentage of patients who completed the instrument among all patients who were still enrolled in the study and on study treatment at a particular postbaseline time point and were, therefore, expected to complete the instrument.

EORTC QLQ-C30, European Organization for Research and Treatment of Cancer Quality of Life Questionnaire; EQ-5D-3L, EuroQol 5 Dimensions 3 Levels; EVE, everolimus; FKSI-DRS, Functional Assessment of Cancer Therapy Kidney Symptom Index–Disease-Related Symptoms; LEN, lenvatinib; PEMBRO, pembrolizumab.

Table S3. Baseline (SD) HRQoL Scores

Mean scores ^a	LEN + PEMBRO (n = 351)	SUN (n = 340)	LEN + EVE (n = 352)
FKSI-DRS total score	31·28 (4·410)	30·89 (4·895)	30·57 (4·974)
EORTC QLQ-C30 functional scales			
GHS/QoL	71·90 (21·182)	70·49 (21·267)	69·92 (22·007)
Physical	84·17 (18·784)	82·64 (19·422)	82·78 (19·327)
Role	82·49 (25·472)	80·63 (26·504)	79·61 (27·739)
Emotional	83·20 (18·399)	82·05 (17·992)	82·29 (18·526)
Cognitive	90·43 (16·990)	89·81 (15·926)	90·13 (14·640)
Social	86·56 (22·014)	84·91 (23·317)	84·46 (24·847)
EORTC QLQ-C30 symptom scales			
Fatigue	24·71 (21·753)	24·97 (22·008)	24·64 (22·868)
Nausea/vomiting	3·43 (10·744)	4·89 (12·718)	4·26 (12·102)
Pain	16·52 (22·211)	20·64 (25·704)	19·50 (25·246)
Dyspnea	12·64 (20·864)	14·01 (24·067)	13·57 (21·744)
Insomnia	21·26 (26·669)	23·85 (27·042)	22·65 (28·283)
Appetite loss	11·94 (21·659)	12·44 (22·647)	13·67 (24·326)
Constipation	11·24 (21·183)	11·31 (22·255)	10·39 (20·559)
Diarrhea	5·27 (13·230)	7·65 (18·257)	6·18 (14·633)
Financial difficulties	13·39 (25·021)	14·72 (26·174)	13·82 (25·637)
EQ-5D-3L			
Index	0·83 (0·190)	0·81 (0·218)	0·81 (0·234)
VAS	76·32 (18·155)	75·03 (17·496)	74·03 (18·979)

^aThe FKSI-DRS instrument is measured on a scale of 0–36, with higher scores corresponding to better HRQoL. Scores on all scales of the EORTC QLQ-C30 range from 0–100, for the GHS/QoL and all functional scales, a higher scale corresponds to better HRQoL, for the symptom scales, a higher scale corresponds to worse symptoms. The EQ-5D-3L VAS is measured on a scale of 0–100, with higher scores corresponding to better HRQoL, and the EQ-5D-3L index ranges from 0–1, with higher scores representing better HRQoL.

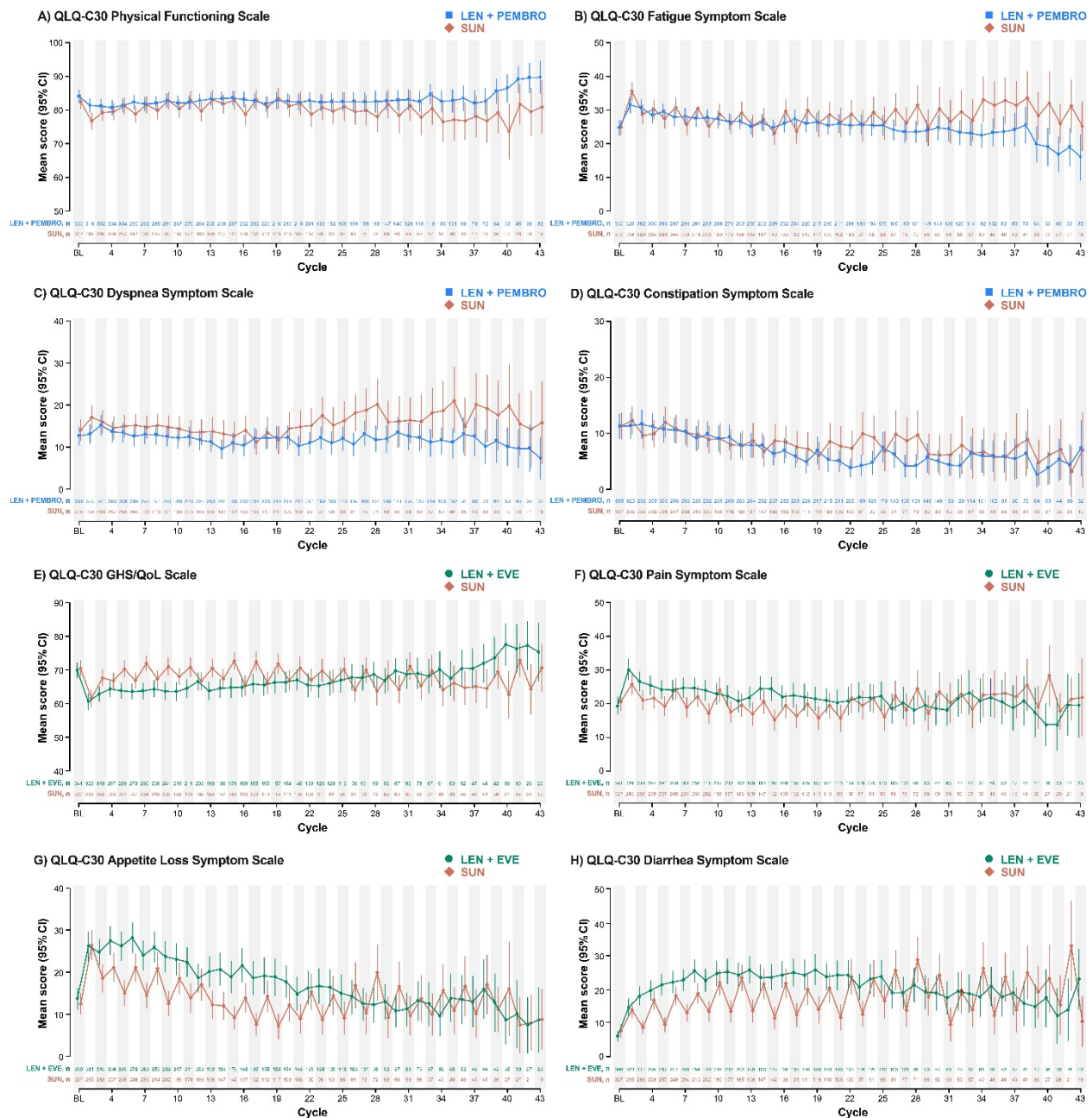
EORTC QLQ-C30, European Organization for Research and Treatment of Cancer Quality of Life Questionnaire; EQ-5D-3L, EuroQol 5 Dimensions 3 Levels; EVE, everolimus; FKSI-DRS, Functional Assessment of Cancer Therapy Kidney Symptom Index–Disease-Related Symptoms; GHS/QoL, global health status/quality of life; HRQoL, health-related quality of life; LEN, lenvatinib; PEMBRO, pembrolizumab; SD, standard deviation; SUN, sunitinib; VAS, visual analog scale.

Table S4. Death and Deterioration Events by First and Definitive Deterioration on Selected Scales

Scale	Event, n (%)	LEN+PEMBRO	SUN	LEN+EVE
FKSI-DRS Total Score	First Deterioration: Death	2 (0·75)	2 (0·92)	4 (1·54)
	First Deterioration: Deterioration	263 (99·25)	216 (99·08)	256 (98·46)
	Definitive Deterioration: Death	5 (4·55)	3 (2·86)	9 (6·98)
	Definitive Deterioration: Deterioration	105 (95·45)	102 (97·14)	120 (93·02)
EORTC QLQ-C30 Global Health Status/QoL	First Deterioration: Death	4 (1·57)	3 (1·24)	7 (2·67)
	First Deterioration: Deterioration	251 (98·43)	239 (98·76)	255 (97·33)
	Definitive Deterioration: Death	4 (3·03)	5 (3·47)	8 (4·85)
	Definitive Deterioration: Deterioration	128 (96·97)	139 (96·53)	157 (95·15)
EORTC QLQ-C30 Physical Functioning	First Deterioration: Death	2 (0·85)	3 (1·32)	1 (0·40)
	First Deterioration: Deterioration	234 (99·15)	225 (98·68)	251 (99·60)
	Definitive Deterioration: Death	6 (5·00)	4 (2·78)	8 (5·30)
	Definitive Deterioration: Deterioration	114 (95·00)	140 (97·22)	143 (94·70)
EQ-5D Index	First Deterioration: Death	3 (1·15)	3 (1·35)	6 (2·30)
	First Deterioration: Deterioration	257 (98·85)	219 (98·65)	255 (97·70)
	Definitive Deterioration: Death	5 (3·70)	3 (2·50)	12 (8·28)
	Definitive Deterioration: Deterioration	130 (96·30)	117 (97·50)	133 (91·72)
EQ-5D VAS	First Deterioration: Death	2 (0·81)	4 (1·63)	3 (1·09)
	First Deterioration: Deterioration	244 (99·19)	242 (98·37)	272 (98·91)
	Definitive Deterioration: Death	7 (4·96)	5 (3·47)	8 (4·65)
	Definitive Deterioration: Deterioration	134 (95·04)	139 (96·53)	164 (95·35)

EORTC QLQ-C30, European Organization for Research and Treatment of Cancer Quality of Life Questionnaire; EQ-5D-3L, EuroQol 5 Dimensions 3 Levels; EVE, everolimus; FKSI-DRS, Functional Assessment of Cancer Therapy Kidney Symptom Index–Disease-Related Symptoms; GHS/QoL, global health status/quality of life; LEN, lenvatinib; PEMBRO, pembrolizumab; SUN, sunitinib; VAS, visual analog scale.

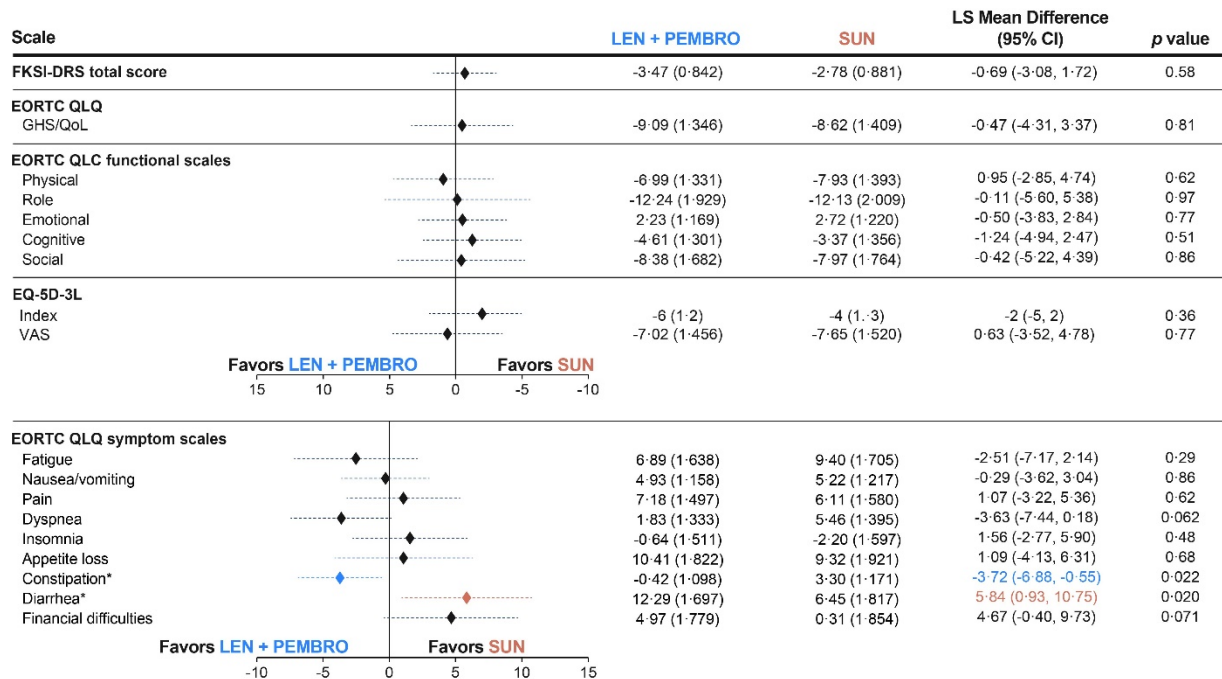
Figure S1. Observed Mean Scores Over Time of HRQoL Scales with Nominally Significant Least Squares Mean Differences for Lenvatinib + Pembrolizumab vs Sunitinib (A-D) and for Lenvatinib + Everolimus vs Sunitinib (E-H)



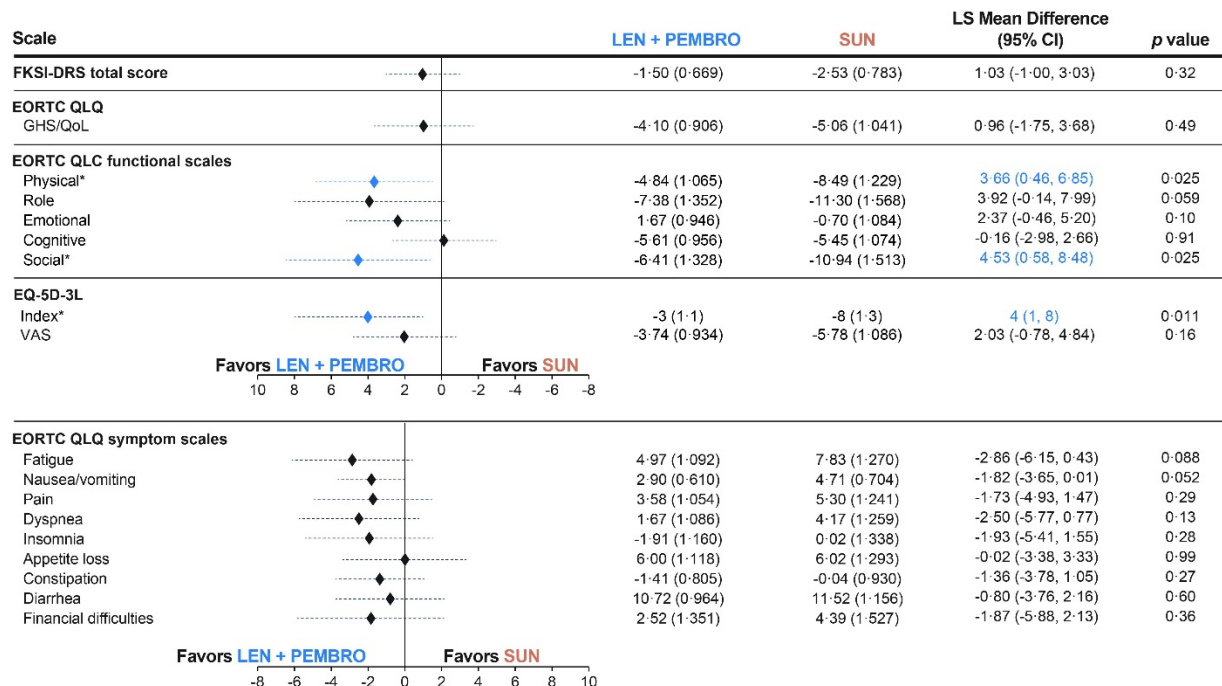
CI, confidence interval; EORTC QLQ-C-30, European Organization for Research and Treatment of Cancer Quality of Life Questionnaire; EQ-5D-3L, EuroQol 5 Dimensions 3 Levels; EVE, everolimus; FKSI-DRS, Functional Assessment of Cancer Therapy Kidney Symptom Index–Disease-Related Symptoms; GHS/QoL, global health status/quality of life; HRQoL, health-related quality of life; LEN, lenvatinib; LS, least squares; PEMBRO, pembrolizumab; SUN, sunitinib.

Figure S2. MSKCC and IMDC Risk Group Subgroup Analyses of Least Squares Mean Change From Baseline in Lenvatinib + Pembrolizumab and Sunitinib Arms

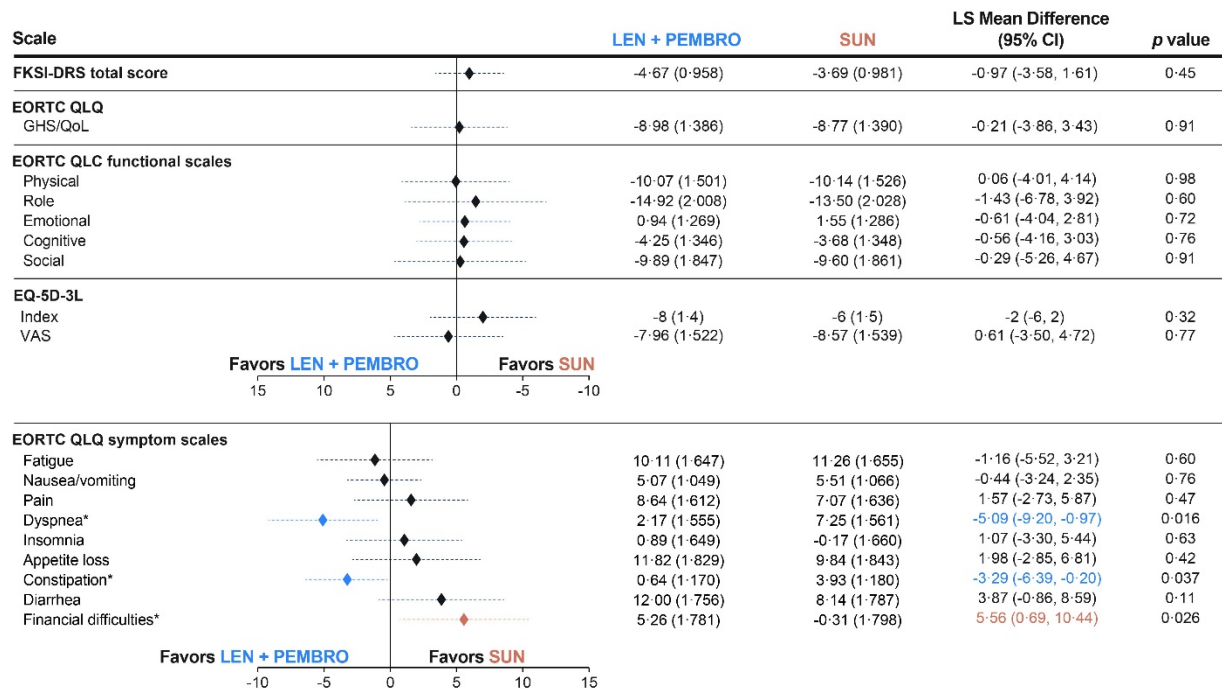
MSKCC favorable subgroup



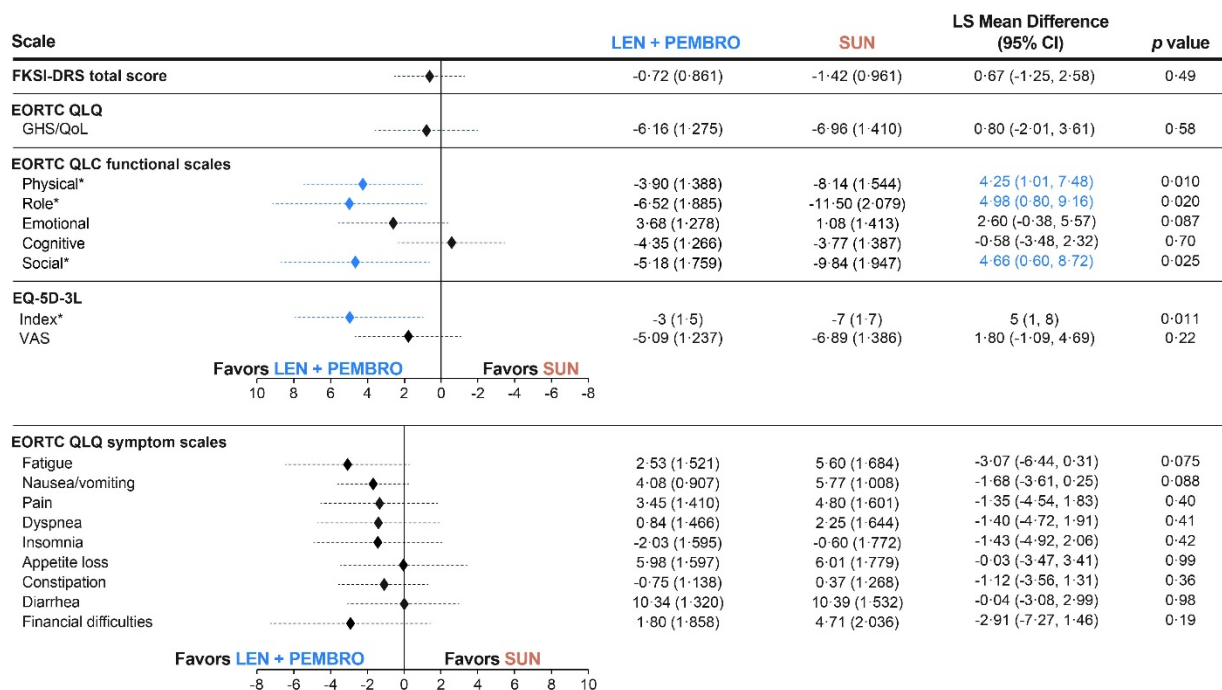
MSKCC intermediate/poor subgroup



IMDC favorable subgroup



IMDC intermediate /poor subgroup

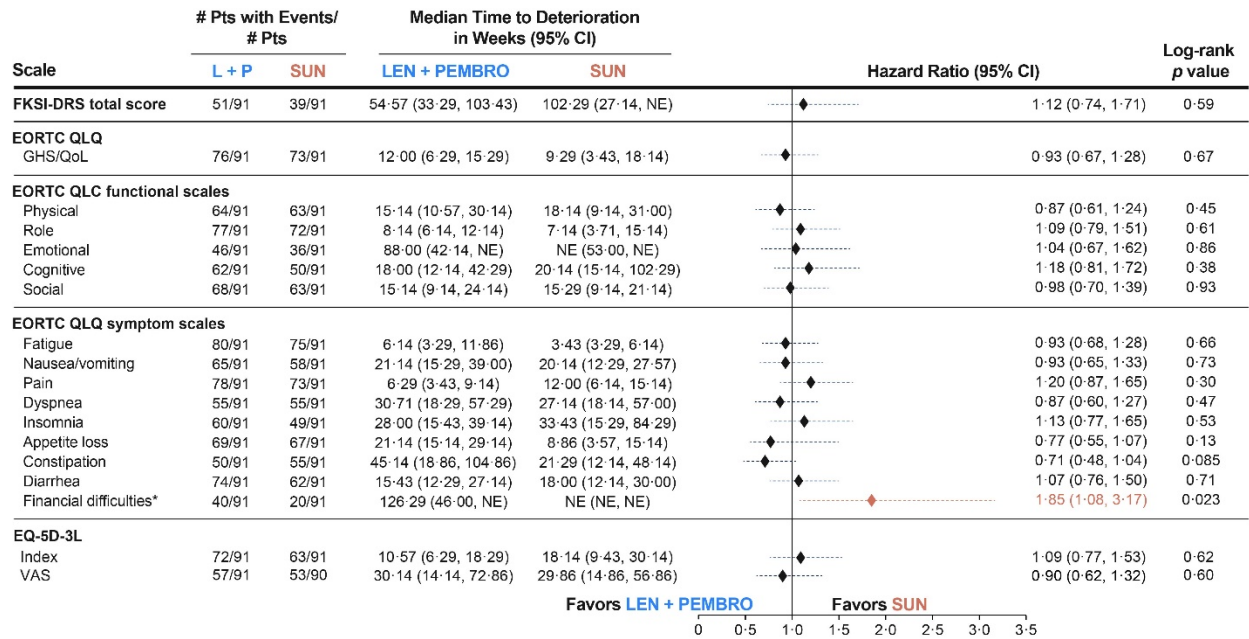


*Denotes a statistically significant log-rank difference ($P < 0.05$). For presentation, scores from the FKSI-DRS and EQ-5D-3L Index instruments were transformed to the scale of 0–100 (FKSI-DRS transformed score = (raw score/36)*100; EQ-5D-3L Index transformed score = (raw score)*100).

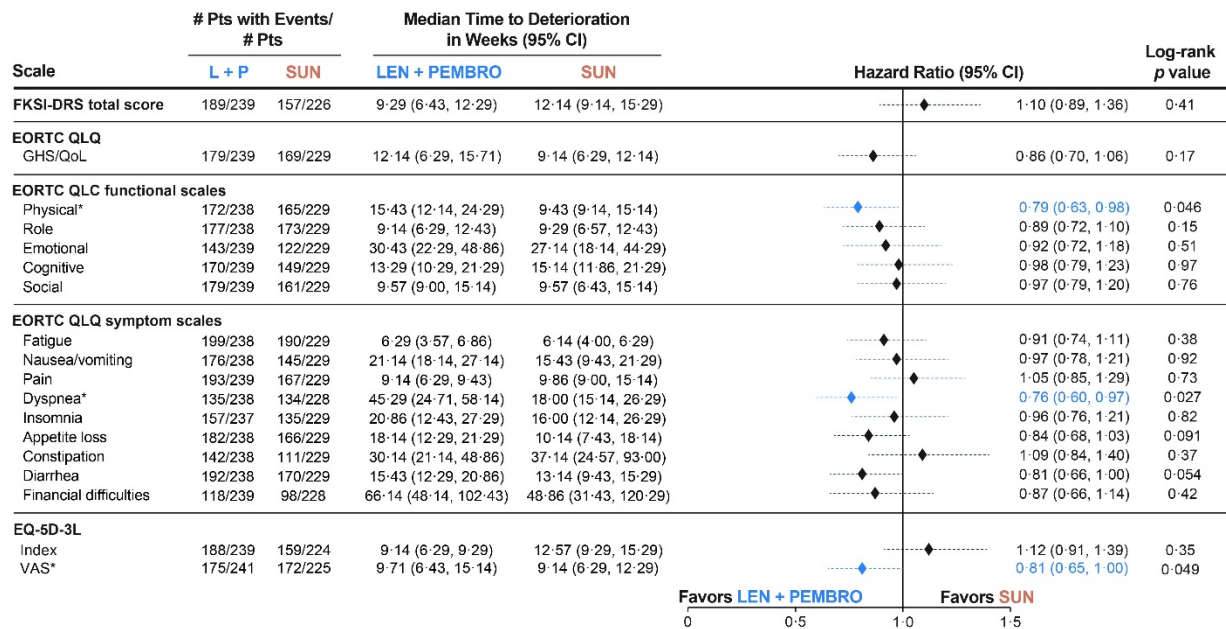
CI, confidence interval; EORTC QLQ, European Organization for Research and Treatment of Cancer Quality of Life Questionnaire; EQ-5D-3L, EuroQol 5 Dimensions 3 Levels; FKSI-DRS, Functional Assessment of Cancer Therapy Kidney Symptom Index–Disease-Related Symptoms; LS, least squares; GHS/QoL, global health status/quality of life; IMDC, International Metastatic RCC Database Consortium; LEN, lenvatinib; MSKCC, Memorial Sloan Kettering Cancer Center; PEMBRO, pembrolizumab; SUN, sunitinib; VAS, visual analog scale.

Figure S3. MSKCC and IMDC Risk Group Subgroup Analyses of Time to First Deterioration in Lenvatinib + Pembrolizumab and Sunitinib Arms

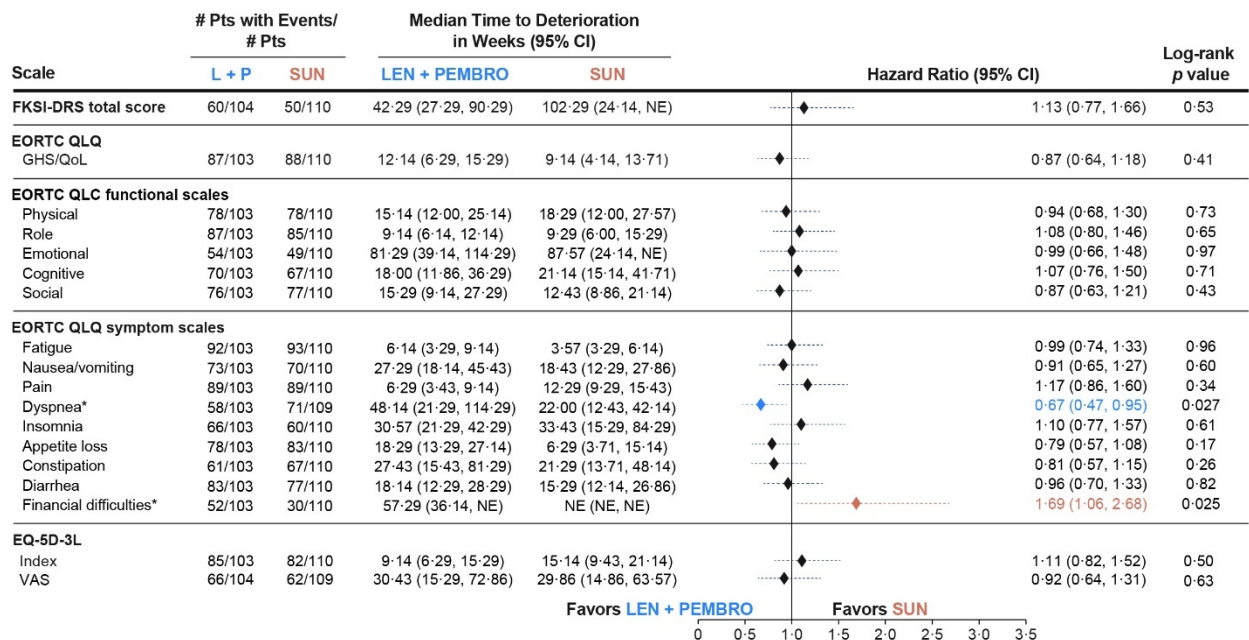
MSKCC favorable subgroup



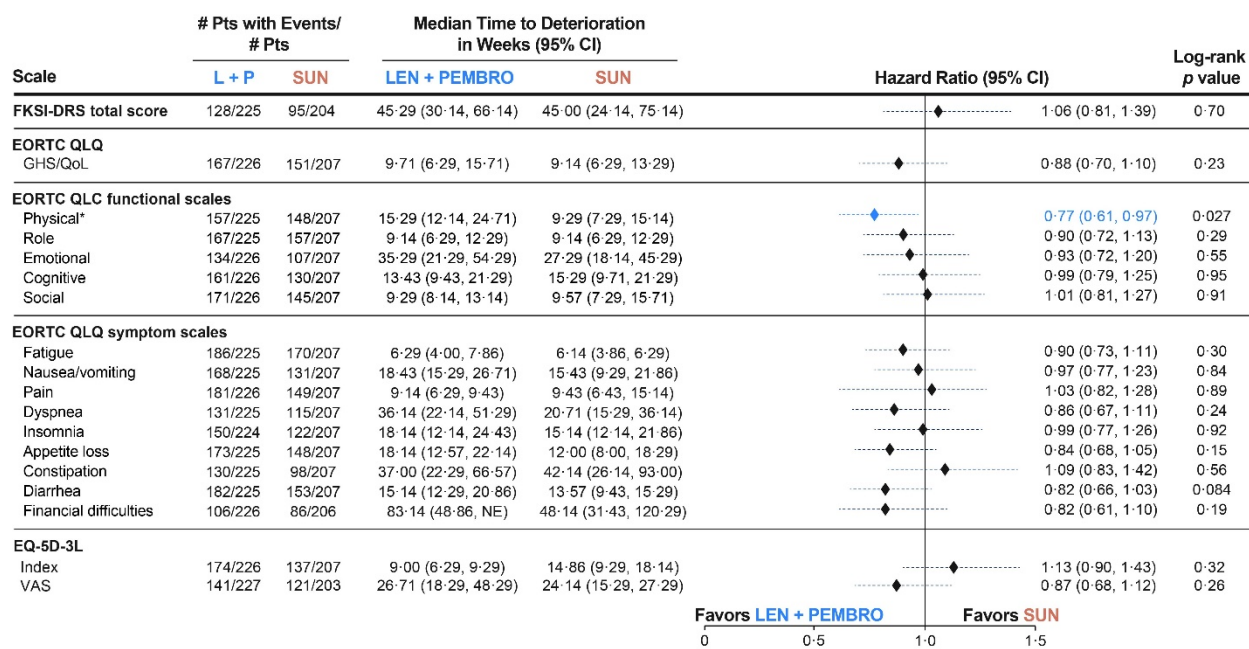
MSKCC intermediate/poor subgroup



IMDC favorable subgroup



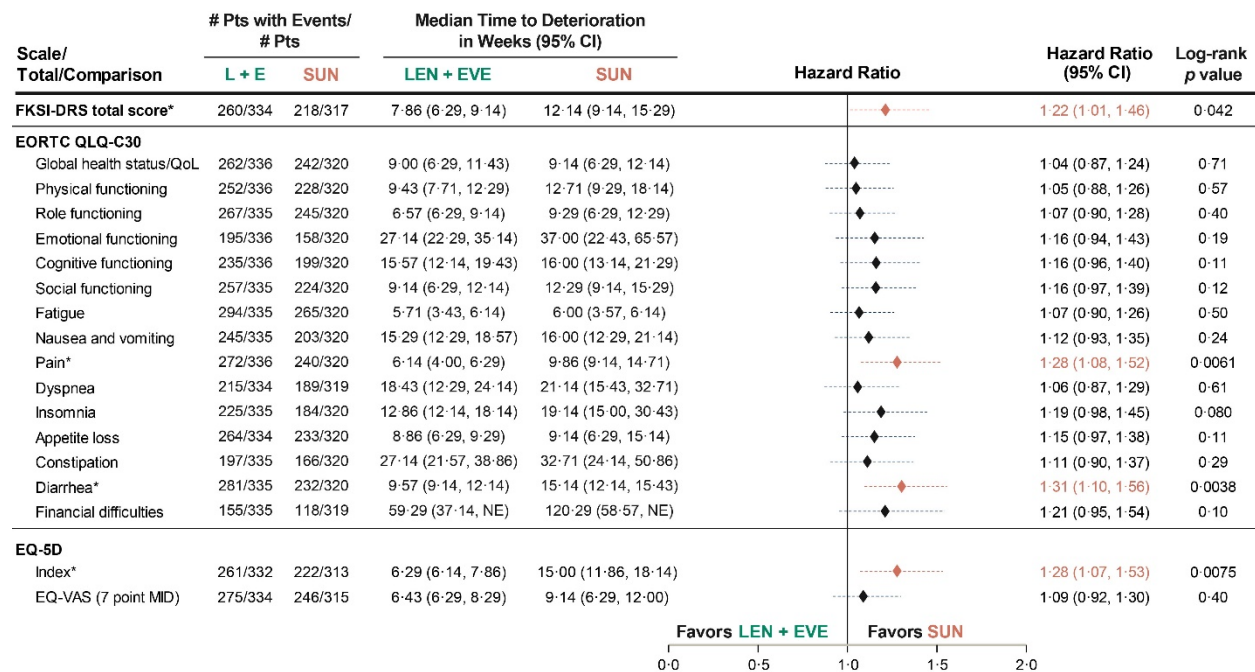
IMDC intermediate/poor subgroup



*Denotes a statistically significant log-rank difference ($P < 0.05$).

CI, confidence interval; EORTC QLQ, European Organization for Research and Treatment of Cancer Quality of Life Questionnaire; EQ-5D-3L, EuroQol 5 Dimensions 3 Levels; FKSI-DRS, Functional Assessment of Cancer Therapy Kidney Symptom Index–Disease-Related Symptoms; GHS/QoL, global health status/quality of life; IMDC, International Metastatic RCC Database Consortium; L / LEN, lenvatinib; MSKCC, Memorial Sloan Kettering Cancer Center; P / PEMBRO, pembrolizumab; S / SUN, sunitinib; VAS, visual analog scale.

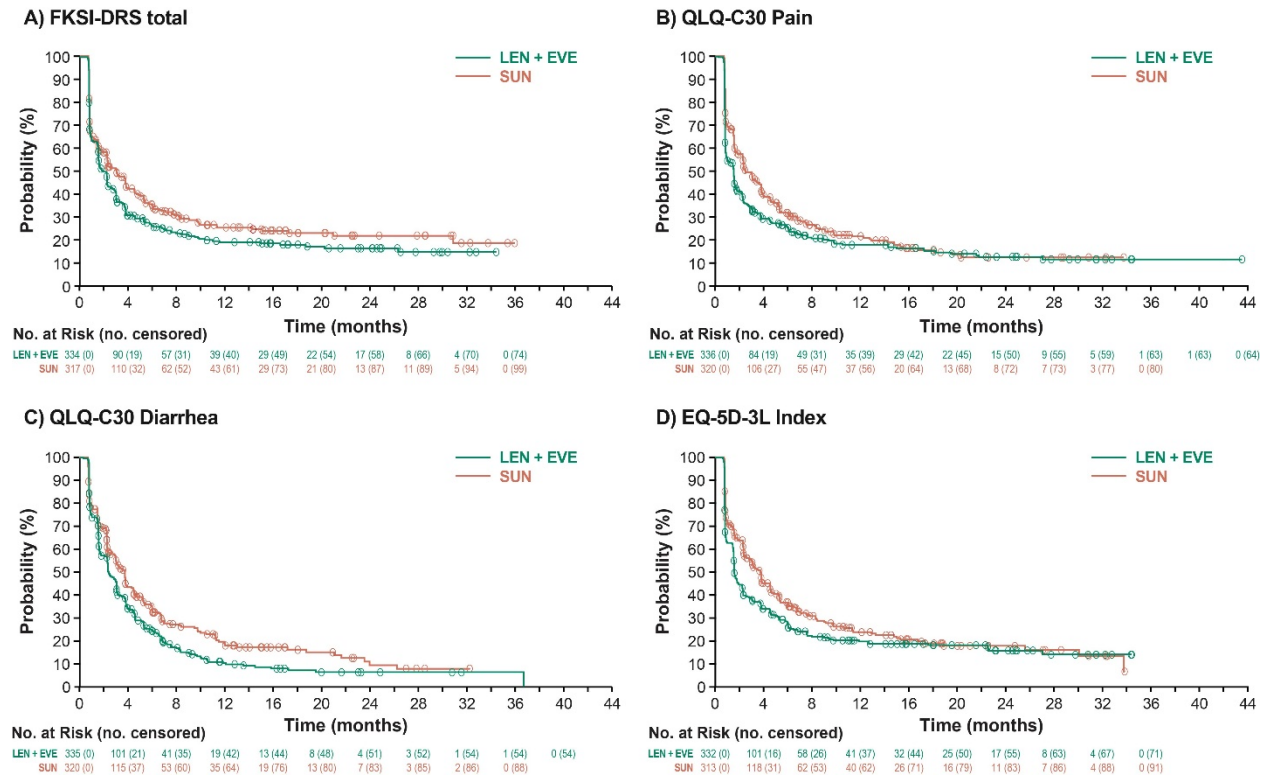
Figure S4. Time to First Deterioration: Lenvatinib + Everolimus vs Sunitinib



*Denotes a statistically significant log-rank difference ($P < 0.05$).

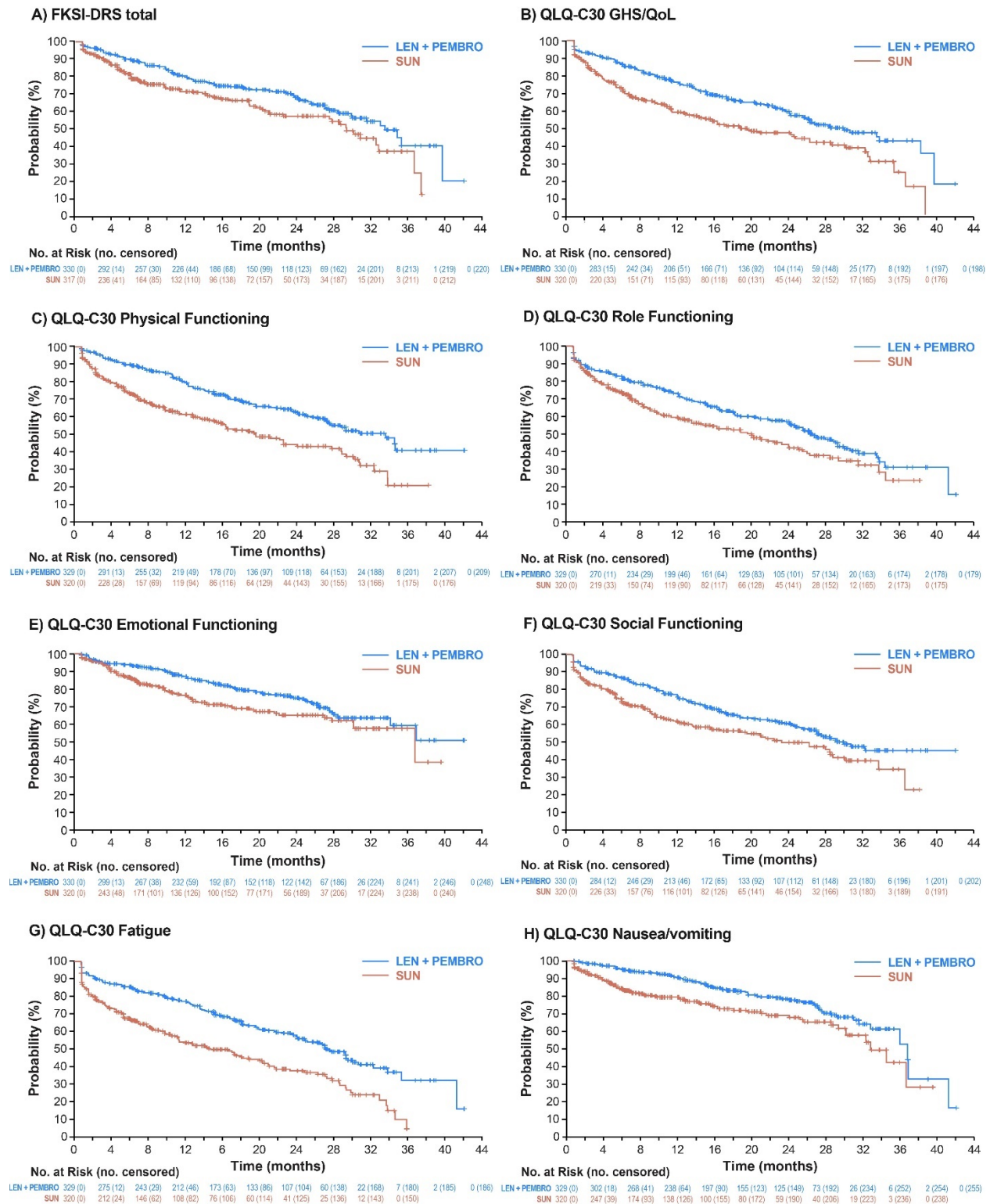
CI, confidence interval; EORTC QLQ-C30, European Organization for Research and Treatment of Cancer Quality of Life Questionnaire; EQ-5D-3L, EuroQol 5 Dimensions 3 Levels; EQ-VAS, EuroQol visual analog scale; FKSI-DRS, Functional Assessment of Cancer Therapy Kidney Symptom Index–Disease-Related Symptoms; LEN, lenvatinib; PEMBRO, pembrolizumab.

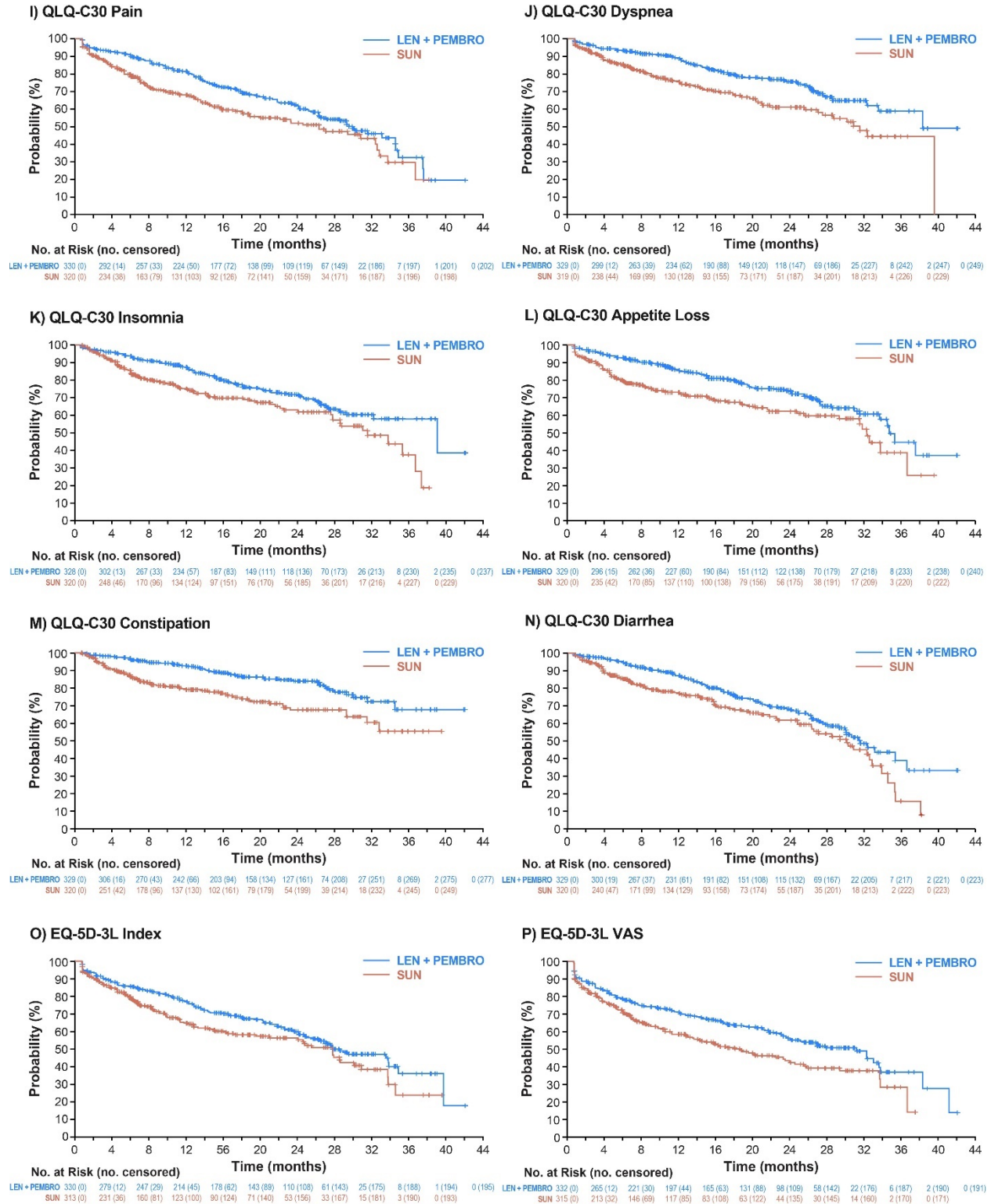
Figure S5. Kaplan-Meier Plots of Nominally Significant Scales for Time to First Deterioration: Lenvatinib + Everolimus vs Sunitinib



EQ-5D-3L, EuroQol 5 Dimensions 3 Levels; EVE, everolimus; FKSI-DRS, Functional Assessment of Cancer Therapy Kidney Symptom Index–Disease-Related Symptoms; LEN, lenvatinib; QLQ-C30, Quality of Life Questionnaire; SUN, sunitinib.

Figure S6. Kaplan-Meier Plots of Nominally Significant Scales for Time to Definitive Deterioration: Lenvatinib + Pembrolizumab vs Sunitinib

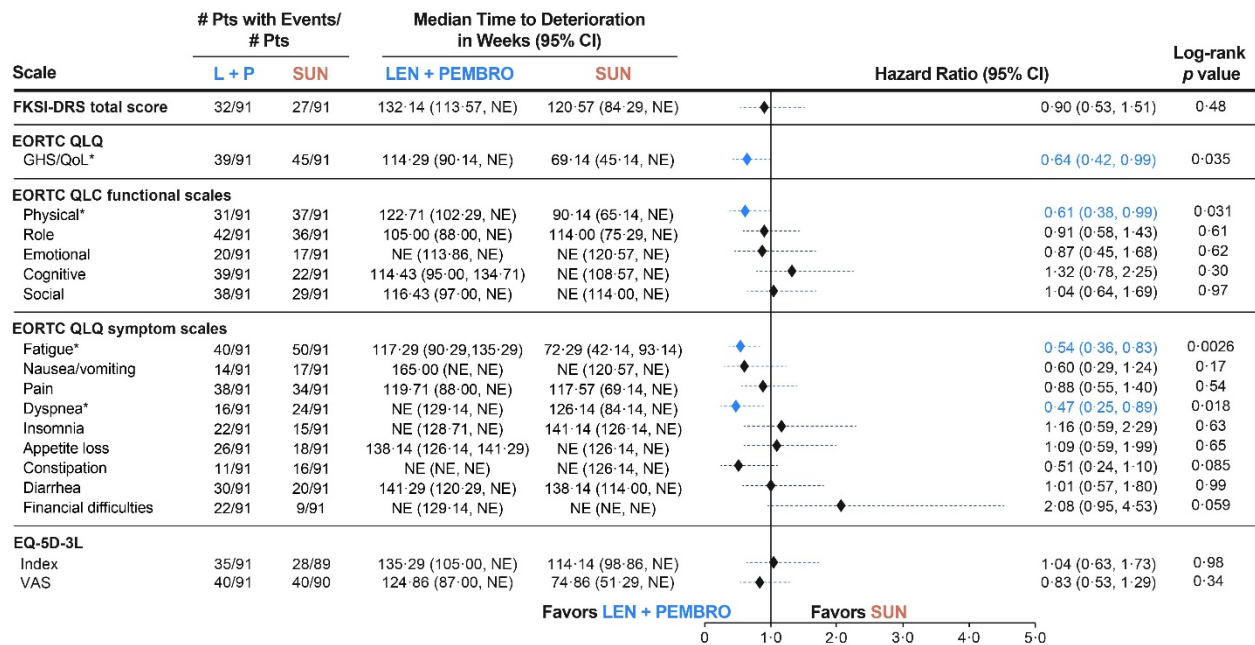




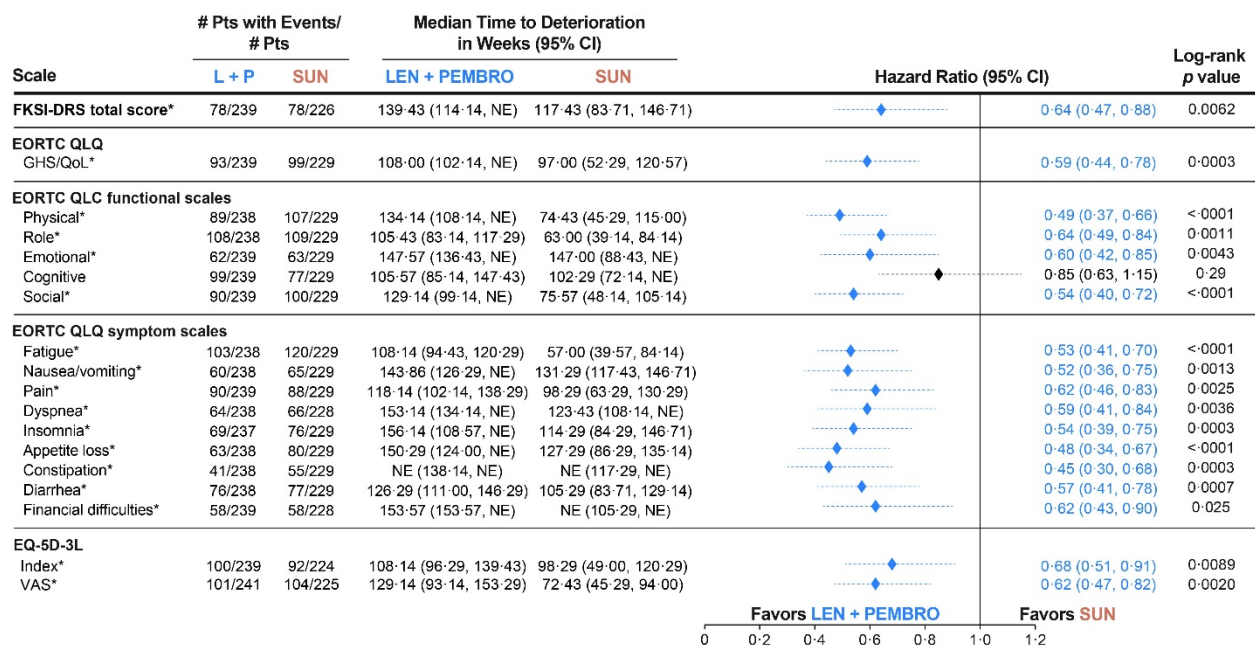
EORTC QLQ, European Organization for Research and Treatment of Cancer Quality of Life Questionnaire; EQ-5D-3L, EuroQol 5 Dimensions 3 Levels; LEN, lenvatinib; PEMBRO, pembrolizumab; SUN, sunitinib; VAS, visual analog scale.

Figure S7. MSKCC and IMDC Risk Group Subgroup Analyses of Time to Definitive Deterioration in Lenvatinib + Pembrolizumab and Sunitinib Arms

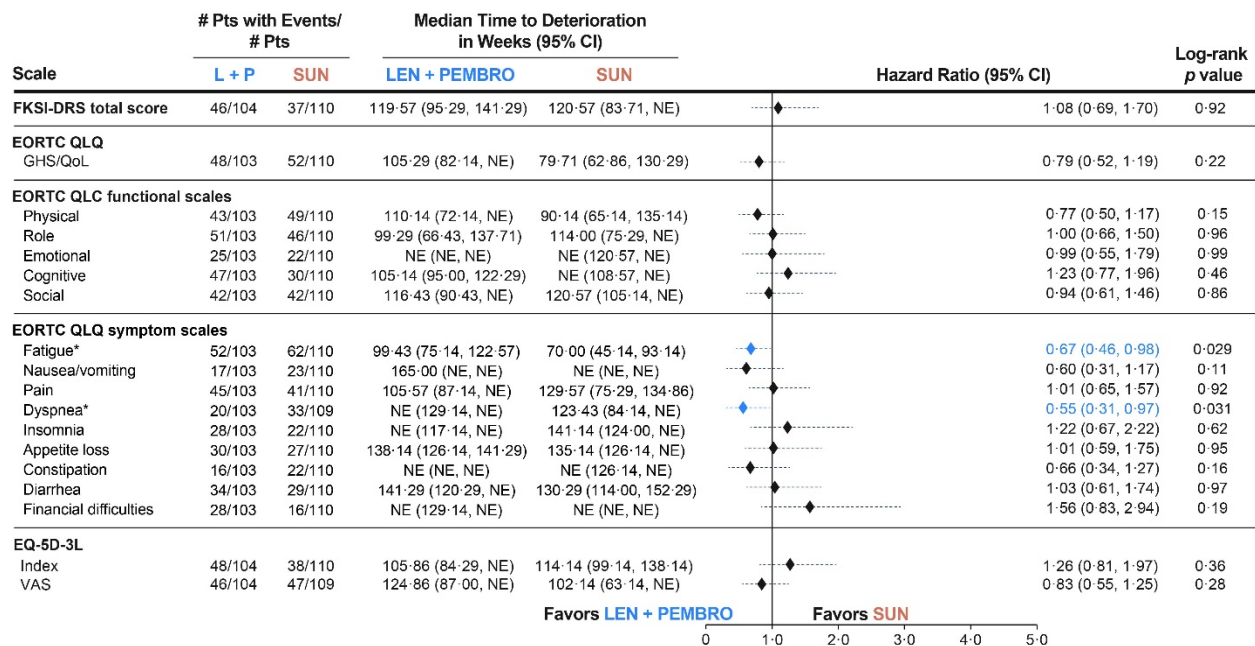
MSKCC favorable subgroup



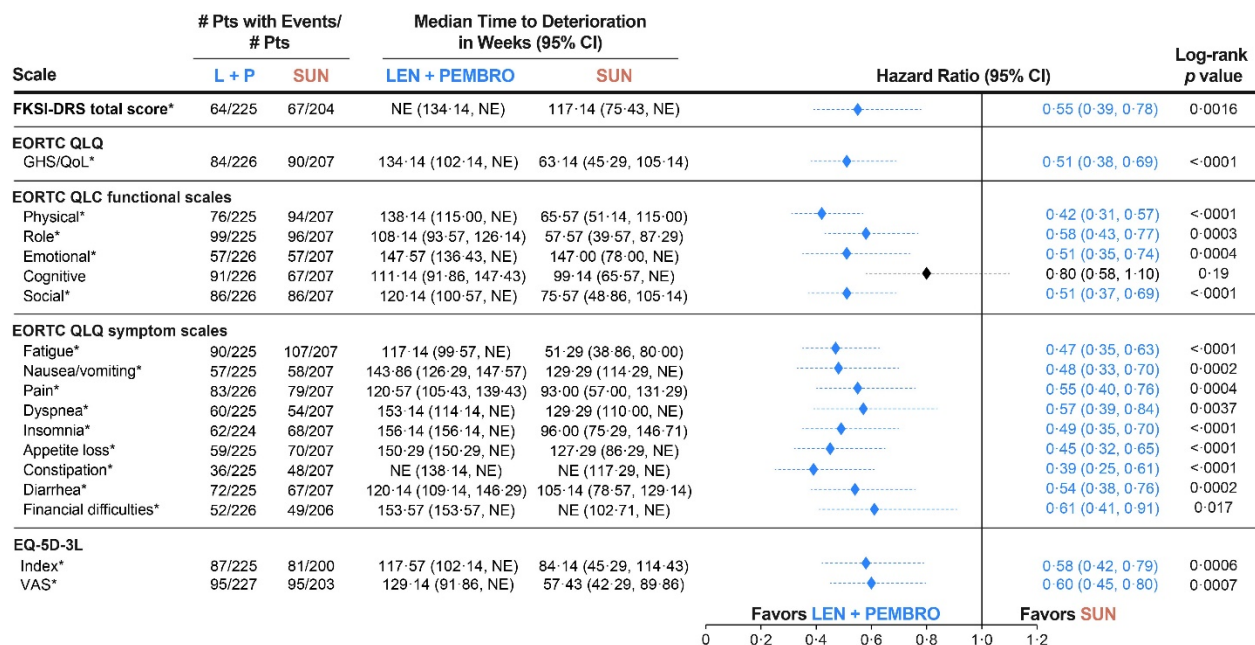
MSKCC intermediate/poor subgroup



IMDC favorable subgroup



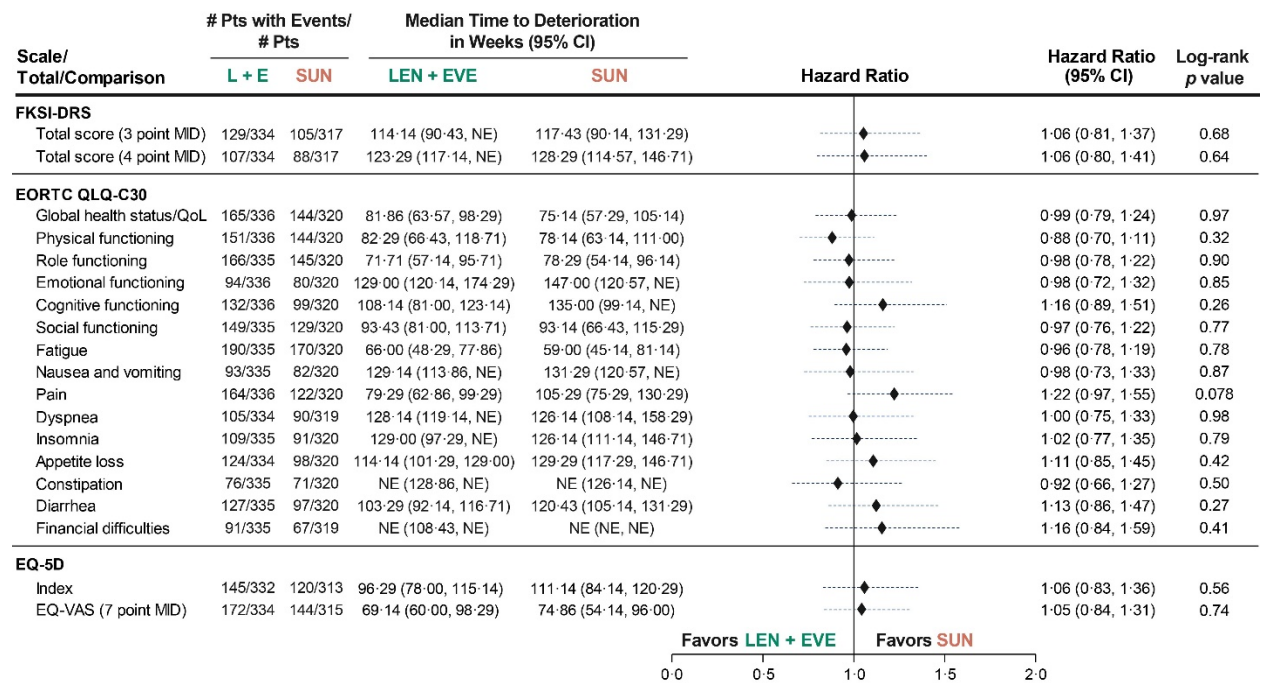
IMDC intermediate/poor subgroup



*Denotes a statistically significant log-rank difference ($P < 0.05$).

CI, confidence interval; EORTC QLQ, European Organization for Research and Treatment of Cancer Quality of Life Questionnaire; EQ-5D-3L, EuroQol 5 Dimensions 3 Levels; FKSI-DRS, Functional Assessment of Cancer Therapy Kidney Symptom Index–Disease-Related Symptoms; GHS/QoL, global health status/quality of life; IMDC, International Metastatic RCC Database Consortium; L / LEN, lenvatinib; MSKCC, Memorial Sloan Kettering Cancer Center; P / PEMBRO, pembrolizumab; S / SUN, sunitinib; VAS, visual analog scale.

Figure S8. Time to Definitive Deterioration: Lenvatinib + Everolimus vs Sunitinib



CI, confidence interval; EORTC QLQ-C30, European Organization for Research and Treatment of Cancer Quality of Life Questionnaire; EQ-5D-3L, EuroQol 5 Dimensions 3 Levels; EVE, everolimus; FKSI-DRS, Functional Assessment of Cancer Therapy Kidney Symptom Index–Disease-Related Symptoms; LEN, lenvatinib.

Table S5. Reasons for screening failure

Patient	Specific Reason
1	Insurance issues
2	Patient decided to proceed with other treatment options
3	Patient decided to proceed with other treatment options
4	Patient decided to proceed with other treatment options
5	Unable to receive IV contrast for baseline imaging
6	Scans needed to be repeated with contrast
7	Randomization expired
8	Personal travel time
9	Patient was admitted to hospice upon hospital discharge
10	Physician elected to treat subject with other treatment options
11	Unable to receive IV contrast for baseline imaging
12	Unable to receive IV contrast for baseline imaging
13	Concomitant medications being taken
14	Exceeded screening period
15	Unable to perform CT/MRI with contrast
16	Unable to perform CT/MRI with contrast
17	Bone marrow had not recovered from radiation yet
18	Patient had to undergo radiation
19	Admitted to hospice
20	Bone scan problems
21	General worsening of the patient's health condition
22	Insurance issue
23	Exceeded screening period
24	PI decision
25	Exceeded screening period
26	Medical decision due to hyperglycemia
27	Procedures could not be performed within time limit
28	Disease progression
29	Disease progression
30	Patient refusal
31	ECOG 3
32	Planned surgery
33	Patient worsening/PI withdrawing patient from the trial
34	Exceeded screening period

CT/MRI, computed tomography/magnetic resonance imaging; ECOG, Eastern Cooperative Oncology Group; PI, principal investigator.

List of all sites and investigators with patient enrollment

Country	Principal Investigator	Patients (N = 1069)
Russian Federation	Boris Ya Alekseev	39
United States of America	Robert Motzer	36
Russian Federation	Evgeny Kopyltsov	27
Korea, Republic of	Sun Young Rha	25
United States of America	Toni Choueiri	21
Spain	Maria Jose Mendez	20
Russian Federation	Vsevolod Matveev	19
Russian Federation	Vadim Kozlov	19
Korea, Republic of	Sung Hoo Hong	17
Russian Federation	Anna Alyasova	17
Canada	Anil Kapoor	14
Spain	Teresa Alonso Gordoia	14
Canada	Eric Winkvist	13
Spain	Jose Pablo Maroto	13
United States of America	Jaime Merchan	13
Australia	Jeffrey Goh	13
Australia	Howard Gurney	12
Korea, Republic of	Miso Kim	12
Canada	Georg Bjarnason	11
Italy	Paolo Pedrazzoli	11
Italy	Giuseppe Procopio	11
United States of America	Vijay Patel	11
Czechia	Tomas Buchler	11
Israel	Avivit Peer	11
Japan	Toshio Takagi	11
France	Frdric Rolland	10
Italy	Ugo de Giorgi	10
Australia	Shirley Wong	10
Czechia	Bohuslav Melichar	10
Korea, Republic of	Se Hoon Park	10
Russian Federation	Sergey Tjulandin	10
Germany	Michael Staehler	9
Poland	Slawomir Mandziuk	9
Israel	David Sarid	9
Japan	Go Kimura	9
Korea, Republic of	Seong II Seo	9
France	Sylvie Zanetta	8
Ireland	Raymond McDermott	8
Spain	Emilio Esteban Gonzalez	8
Spain	Francisco Garcia del Muro Solans	8

Spain	Jesus Garcia	8
Spain	Javier Puente Vazquez	8
United States of America	Ivor Percent	8
United States of America	Manis Agrawal	8
United States of America	David Waterhouse	8
Australia	Andrew Weickhardt	8
Czechia	Jiri Tomasek	8
Korea, Republic of	Jae Lyun Lee	8
France	Sylvie Negrier	7
France	Eric Voog	7
Italy	Roberto Sabbatini	7
Spain	Jose Angel Arranza Arijia	7
Spain	Juan Carles	7
United States of America	Theodore Gourdin	7
Israel	Olesya Goldman	7
Japan	Satoshi Fukasawa	7
Japan	Satoshi Tamada	7
Japan	Masatoshi Eto	7
Korea, Republic of	Jinsoo Chung	7
Austria	Manuela Schmidinger	6
United Kingdom of Great Britain and Northern Ireland	Manon Pillai	6
United Kingdom of Great Britain and Northern Ireland	Sara Rudman	6
United States of America	Saby George	6
United States of America	Elisabeth Heath	6
United States of America	Carlos Alemany	6
United States of America	Marc Matrana	6
Israel	Victoria Neiman	6
Japan	Yuji Miura	6
Japan	Mototsugu Oya	6
Japan	Yoshihisa Matsukawa	6
Japan	Satoshi Anai	6
Germany	Maria De Santis	5
Greece	Aristotelis Bamias	5
Greece	Christos Papandreou	5
Ireland	Oscar Breathnach	5
Italy	Daniele Santini	5
Italy	Francesco Carrozza	5
Netherlands	Johannes van Thienen	5
Poland	Jacek Jassem	5
Spain	Begona Mellado Gonzalez	5
United Kingdom of Great Britain and Northern Ireland	Hilary Glen	5

United States of America	Thomas Hutson	5
United States of America	Daniel Spitz	5
Japan	Yoshihiko Tomita	5
Japan	Masahiro Nozawa	5
Japan	Hideki Sakai	5
Korea, Republic of	Choung Soo Kim	5
Canada	Naveen S Basappa	4
France	Diego Tosi	4
France	Stephane Oudard	4
France	Frdric Rolland	4
Greece	Haralabos Kalofonos	4
Italy	Fabio Calabro	4
Italy	Ferdinando Riccardi	4
Netherlands	BBM Britt	4
Spain	Begona Perez Valderrama	4
United States of America	Johanna Bendell	4
United States of America	Sandy Srinivas	4
United States of America	Nafisa Burhani	4
United States of America	Stephen Richey	4
United States of America	Ralph Hauke	4
Czechia	Jana Prausova	4
Belgium	Wim Wynendaele	3
Canada	Christina Canil	3
Canada	Catherine Sperlich	3
France	Luca Campedel	3
Germany	Jens Bedke	3
Italy	Alketa Hamzaj	3
Poland	Violetta Sulzyc	3
United Kingdom of Great Britain and Northern Ireland	Thomas Powles	3
United States of America	Toni Choueiri	3
United States of America	Stephanie Graff	3
Australia	Ian Davis	3
Czechia	Jana Katolicka	3
Japan	Shingo Hatakeyama	3
Japan	Mitsuru Saito	3
Japan	Masayoshi Nagata	3
Japan	Keiichi Kondo	3
Japan	Masafumi Oyama	3
Japan	Kenichi Harada	3
Japan	Atsushi Takamoto	3
Japan	Jun Teishima	3
Japan	Takeshi Kishida	3

Korea, Republic of	Tae Gyun Kwon	3
Russian Federation	Oleg Karyakin	3
Austria	Wolfgang Loidl	2
Belgium	Daisy Luyten	2
France	Philippe Barthelemy	2
Germany	Jan Schleicher	2
Germany	Lothar Bergmann	2
Germany	Philipp Ivanyi	2
Germany	Martin Boegemann	2
Greece	Sofia Baka	2
Ireland	Richard Bambury	2
Italy	Sandro Pignata	2
Italy	Francesco Massari	2
Spain	Pablo Borrega	2
Spain	Enrique Grande Pulido	2
Spain	Ignacio Duran Martinez	2
Switzerland	Julian Schardt	2
United Kingdom of Great Britain and Northern Ireland	Jahangeer Malik	2
United Kingdom of Great Britain and Northern Ireland	Tom Geldart	2
United States of America	Luke Nordquist	2
United States of America	Subramanya Rao	2
United States of America	Mehmood Hashmi	2
United States of America	Alan Koletsky	2
United States of America	Robert Alter	2
United States of America	Donald Richards	2
United States of America	Ronald Harris	2
Australia	Ian Byard	2
Czechia	Petra Holeckova	2
Israel	Avishay Sella	2
Israel	Raanan Berger	2
Japan	Takahiro Osawa	2
Japan	Naoya Masumori	2
Japan	Takatsugu Okegawa	2
Japan	Hiroyuki Tsunemori	2
Japan	Masayuki Takahashi	2
Austria	Gerald KLINGLMAIR	1
Belgium	Dirk Schrijvers	1
Belgium	Rutten Annemie	1
Belgium	Peter Schatteman	1
Belgium	Spyridon Sideris	1
Belgium	Christine Gennigens	1
Canada	Christian Kollmannsberger	1

Germany	Stefan Siemer	1
Ireland	Paul Donnellan	1
Italy	Francesco Boccardo	1
Italy	Giovanni Lo Re	1
Italy	VINCENZO EMANUELE CHIURI	1
Italy	Mimma Rizzo	1
Netherlands	Alfonsus van den Eertwegh	1
Spain	Miguel Angel Climent Duran	1
United Kingdom of Great Britain and Northern Ireland	Loretta Sweeney	1
United Kingdom of Great Britain and Northern Ireland	Christy Ralph	1
United States of America	Ana Molina	1
United States of America	Benjamin Gartrell	1
United States of America	Mike Cusnir	1
United States of America	Cameron Blair Harkness	1
United States of America	Habib Ghaddar	1
United States of America	Sucharu Prakash	1