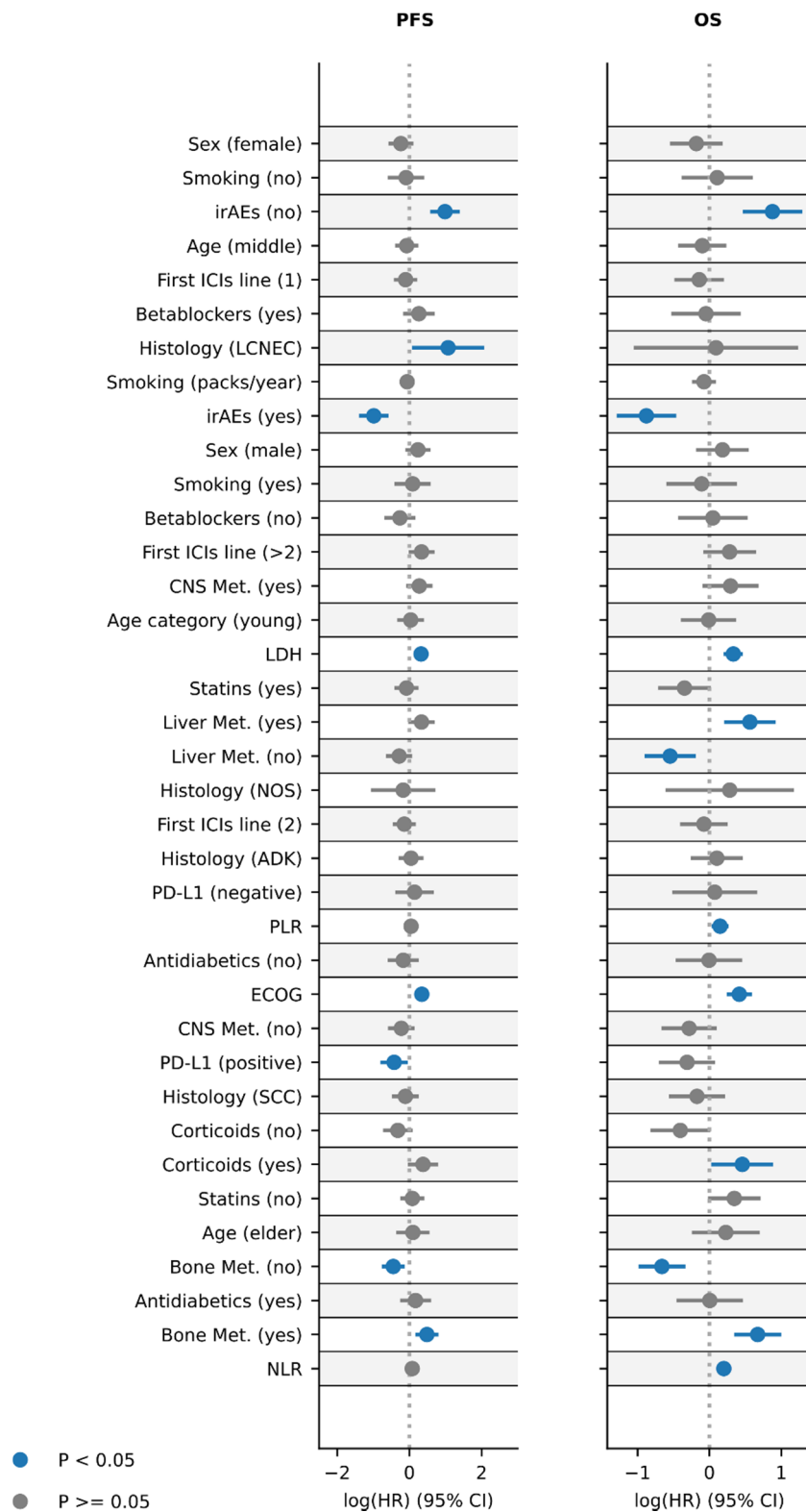
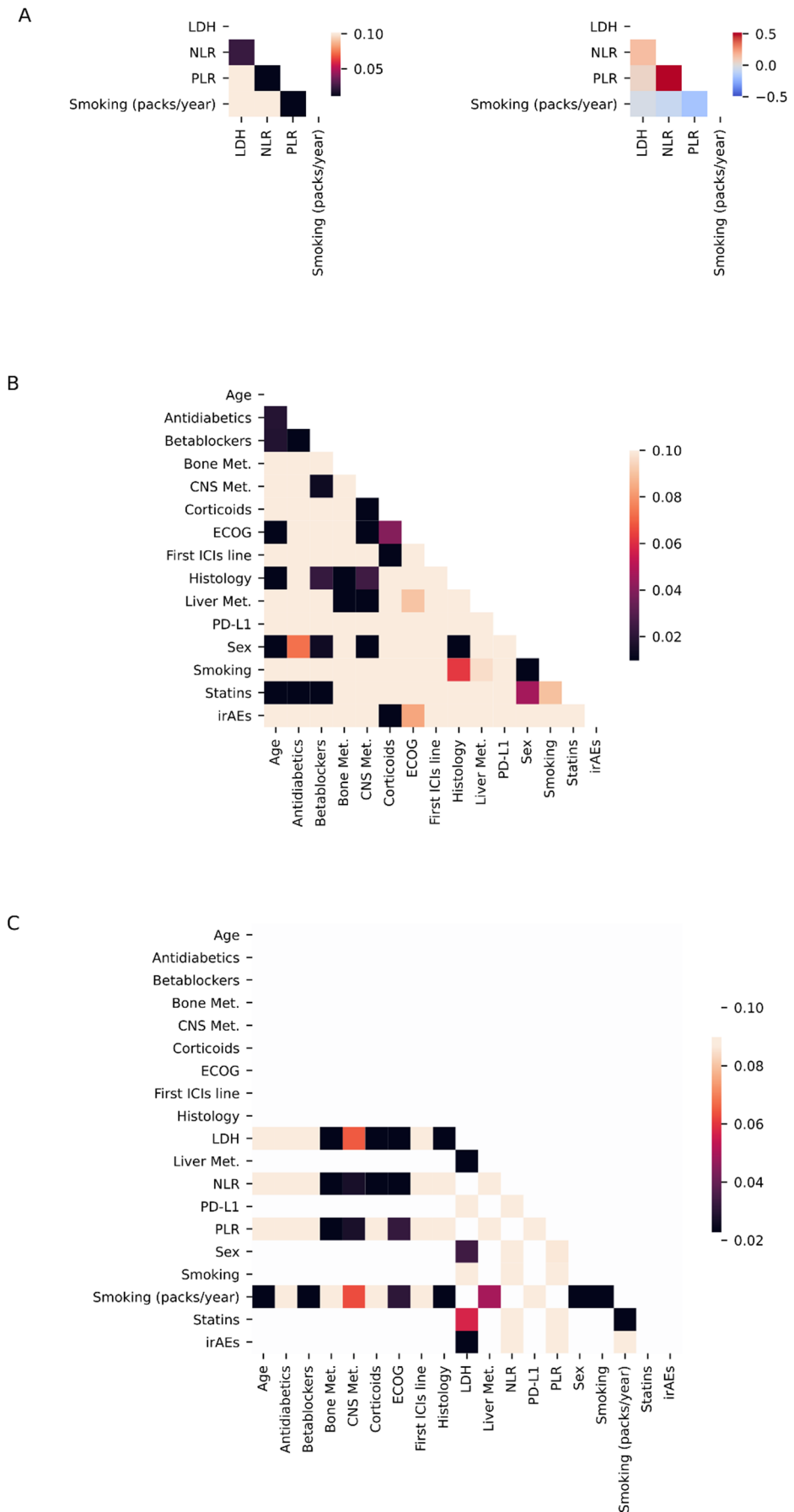

Supplementary Materials: Interrelations between Patients' Clinicopathological Characteristics and Their Association with Response to Immunotherapy in a Real-World Cohort of NSCLC Patients

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Supplementary Figure S1. Clinicopathological features associate with ICIs response in univariate survival models.



Supplementary Figure S2. Interrelations between clinicopathological features.

Supplementary Table S1. Univariate Cox proportional-hazards revival model—PFS.



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	coef	exp(coef)	coef lower 95%	coef upper 95%	exp(coef) lower 95%	exp(coef) upper 95%	p
Neutrophils to lymphocytes ratio	0.078892068	1.082087524	-0.028022735	0.18580687	0.97236626	1.204189673	0.148106889
Bone Met. At ICIs start (yes)	0.48623118	1.626175891	0.166706741	0.805755618	1.181407756	2.238387226	0.002858638
Antidiabetic drugs (yes)	0.170158506	1.185492745	-0.259181586	0.599498599	0.771682883	1.821205417	0.437286177
Bone Met. At ICIs start (no)	-0.447099719	0.639480137	-0.766409864	-0.127789574	0.464678336	0.880038542	0.006063054
Age (elder)	0.097213682	1.102095847	-0.362592359	0.557019724	0.695870041	1.74546278	0.678594418
Statins (no)	0.081464148	1.084874322	-0.251239457	0.414167752	0.777836091	1.513110933	0.631293508
Corticoids pre-ICIs (yes)	0.377662241	1.458870114	-0.043330217	0.7986547	0.957595123	2.222548922	0.078707243
Corticoids pre-ICIs (no)	-0.320418794	0.725844994	-0.728776469	0.087938881	0.482498981	1.091921383	0.124075446
Histology (SCC)	-0.111103918	0.894845754	-0.482399858	0.260192023	0.61730018	1.297179151	0.557549318
PD-L1 (positive)	-0.422308117	0.655532028	-0.801197163	-0.04341907	0.448791366	0.957510042	0.028920573
CNS Met. At ICIs start (no)	-0.223582419	0.799648983	-0.590951225	0.143786387	0.553800245	1.154637436	0.232930673
ECOG at ICIs start	0.344598522	1.411423151	0.175328677	0.513868368	1.191637817	1.671745629	6.60502E-05
Antidiabetic drugs (no)	-0.170158506	0.843531101	-0.599498599	0.259181586	0.54908688	1.295869095	0.437286177
Platelets to lymphocytes ratio	0.046320561	1.047410116	-0.070638032	0.163279154	0.931799113	1.17736531	0.437613886
PD-L1 (negative)	0.143451132	1.154250404	-0.389902805	0.676805069	0.677122684	1.967581393	0.598087443
Histology (ADK)	0.045938661	1.047010187	-0.298933388	0.390810711	0.741608808	1.478178684	0.794033213
First ICIs line (2)	-0.140811425	0.868653102	-0.459730637	0.178107787	0.631453713	1.194954115	0.386831951
Histology (NOS)	-0.172476403	0.841578147	-1.064683775	0.719730969	0.344836884	2.053880578	0.70477031
Liver Met. At ICIs start (no)	-0.283072472	0.753465181	-0.648005852	0.081860909	0.523087852	1.085304843	0.128433094
Liver Met. At ICIs start (yes)	0.334748227	1.397588466	-0.030253504	0.699749958	0.970199553	2.013249247	0.072254602
Statins (yes)	-0.081464148	0.921765757	-0.414167752	0.251239457	0.660890076	1.285617897	0.631293508
LDH before ICIs start	0.32339638	1.381812966	0.18954927	0.45724349	1.208704676	1.579713481	2.18417E-06
Age category (young)	0.036367138	1.037036512	-0.335908424	0.408642699	0.714688551	1.504773967	0.848160164
CNS Met. At ICIs start (yes)	0.274390316	1.315728252	-0.093144268	0.6419249	0.911062054	1.900134931	0.143398867
First ICIs line (>2)	0.336942596	1.400658658	-0.020134523	0.694019715	0.980066823	2.00174583	0.064393235
Betablockers (no)	-0.262533297	0.769100755	-0.696656738	0.171590144	0.498248297	1.187191156	0.235908603
Smoking (yes)	0.090783419	1.095031817	-0.412357815	0.593924654	0.662087329	1.811082358	0.723606658
Sex (male)	0.23694655	1.267373374	-0.110162939	0.584056038	0.895688181	1.793297381	0.18092066

irAEs (yes)	-0.986441406	0.372901337	-1.396255385	-0.576627427	0.247522106	0.561789852	2.38497E-06
Smoking (packs/year)	-0.061603593	0.940255537	-0.218534851	0.095327665	0.803695469	1.100019234	0.441663779
Histology (LCNEC)	1.073343939	2.92514467	0.072397581	2.074290298	1.075082691	7.958896008	0.035577243
Betablockers (yes)	0.262533297	1.30021976	-0.171590144	0.696656738	0.842324334	2.007031445	0.235908603
First ICIs line (1)	-0.104945982	0.900373157	-0.427918788	0.218026823	0.651864352	1.243620425	0.524212238
Age (middle)	-0.074477831	0.928228051	-0.398030944	0.249075281	0.671641244	1.282838603	0.651875027
irAEs (no)	0.986441406	2.681674482	0.576627427	1.396255385	1.780025032	4.040043199	2.38497E-06
Smoking (no)	-0.090783419	0.913215474	-0.593924654	0.412357815	0.552156005	1.510374775	0.723606658
Sex (female)	-0.23694655	0.789033461	-0.584056038	0.110162939	0.557631997	1.11645997	0.18092066

Supplementary Table S2. Univariate Cox proportional-hazards revival model—OS.

	coef	exp(coef)	coef lower 95%	coef upper 95%	exp(coef) lower 95%	exp(coef) upper 95%	p
Neutrophils to lymphocytes ratio	0.200420791	1.221916822	0.095941091	0.304900491	1.100694221	1.356490013	0.000170083
Bone Met. At ICIs start (yes)	0.67122497	1.956632669	0.342883051	0.999566888	1.409003971	2.717104763	6.15657E-05
Antidiabetic drugs (yes)	0.005305941	1.005320043	-0.457606979	0.468218862	0.632796129	1.597146919	0.982076833
Bone Met. At ICIs start (no)	-0.660990147	0.516339829	-0.988399525	-0.333580768	0.372171866	0.716354038	7.59377E-05
Age (elder)	0.228350723	1.256525941	-0.243846995	0.700548441	0.783607521	2.014857436	0.343220287
Statins (no)	0.346658904	1.41433422	-0.020156753	0.713474562	0.980045036	2.041070779	0.063988106
Corticoids pre-ICIs (yes)	0.457398416	1.57995824	0.025961919	0.888834913	1.026301865	2.432294166	0.037718031
Corticoids pre-ICIs (no)	-0.405030256	0.666956631	-0.823401194	0.013340681	0.438936206	1.013430065	0.057766435
Histology (SCC)	-0.172903729	0.841218596	-0.564946012	0.219138553	0.568390832	1.245003763	0.387362963
PD-L1 (positive)	-0.310966092	0.732738721	-0.702426453	0.08049427	0.495381823	1.083822636	0.119483491
CNS Met. At ICIs start (no)	-0.282501953	0.75389517	-0.666374841	0.101370935	0.513566969	1.106687075	0.149192943
ECOG at ICIs start	0.415477937	1.515094688	0.240227326	0.590728549	1.271538171	1.805303187	3.37429E-06
Antidiabetic drugs (no)	-0.005305941	0.99470811	-0.468218862	0.457606979	0.626116476	1.580287795	0.982076833
Platelets to lymphocytes ratio	0.148411544	1.159990185	0.029313649	0.267509439	1.029747523	1.306705964	0.014591131
PD-L1 (negative)	0.074079733	1.076892665	-0.517780677	0.665940143	0.595841446	1.946319479	0.806210744
Histology (ADK)	0.10350635	1.109052835	-0.260208791	0.46722149	0.770890614	1.595554765	0.577002722
First ICIs line (2)	-0.076817259	0.926059067	-0.406860824	0.253226306	0.665736838	1.288174765	0.648261009
Histology (NOS)	0.282587875	1.326558342	-0.610579559	1.17575531	0.543036056	3.24058967	0.535185369
Liver Met. At ICIs start (no)	-0.547148343	0.578597421	-0.903685844	-0.190610842	0.405073866	0.826454146	0.002631522
Liver Met. At ICIs start (yes)	0.563004598	1.755940478	0.203789588	0.922219608	1.226040153	2.514866217	0.002127086
Statins (yes)	-0.346658904	0.707046458	-0.713474562	0.020156753	0.489938914	1.020361272	0.063988106
LDH before ICIs start	0.332774234	1.394832357	0.19832572	0.467222747	1.219359499	1.595556769	1.22768E-06
Age category (young)	-0.011125596	0.988936065	-0.395552272	0.373301081	0.673308087	1.4525216	0.954765992
CNS Met. At ICIs start (yes)	0.294184921	1.342032051	-0.093853368	0.68222321	0.910416249	1.978270958	0.137301649
First ICIs line (>2)	0.280706749	1.324065264	-0.087423949	0.648837448	0.916288553	1.913315208	0.135042293

Betablockers (no)	0.048313605	1.049499732	-0.435068734	0.531695944	0.64722018	1.701816047	0.844691148
Smoking (yes)	-0.108306661	0.897352371	-0.601811169	0.385197846	0.547818545	1.469905108	0.667092144
Sex (male)	0.181972584	1.199581306	-0.184561389	0.548506557	0.831468895	1.730666436	0.330523261
irAEs (yes)	-0.877177159	0.415955432	-1.292179737	-0.462174581	0.274671419	0.62991236	3.43225E-05
Smoking (packs/year)	-0.07534275	0.927425557	-0.242745656	0.092060156	0.784471014	1.096430777	0.377713131
Histology (LCNEC)	0.092467587	1.096877588	-1.052222808	1.237157982	0.349160769	3.445806491	0.874200686
Betablockers (yes)	-0.048313605	0.952834926	-0.531695944	0.435068734	0.587607575	1.545069253	0.844691148
First ICIs line (1)	-0.142316666	0.867346554	-0.487084596	0.202451264	0.614415053	1.224400411	0.41848464
Age (middle)	-0.0991774	0.905582043	-0.435125487	0.236770687	0.647183449	1.267150511	0.562849926
irAEs (no)	0.877177159	2.404103716	0.462174581	1.292179737	1.58752243	3.64071371	3.43225E-05
Smoking (no)	0.108306661	1.114389433	-0.385197846	0.601811169	0.680316025	1.825421955	0.667092144
Sex (female)	-0.181972584	0.833624195	-0.548506557	0.184561389	0.577812096	1.202690811	0.330523261
