

SUPPLEMENTARY MATERIAL

Prognostic significance of immune signatures in endometrial cancer is dictated by the underlying molecular subtypes

Dessources et al

Supplementary Table 1

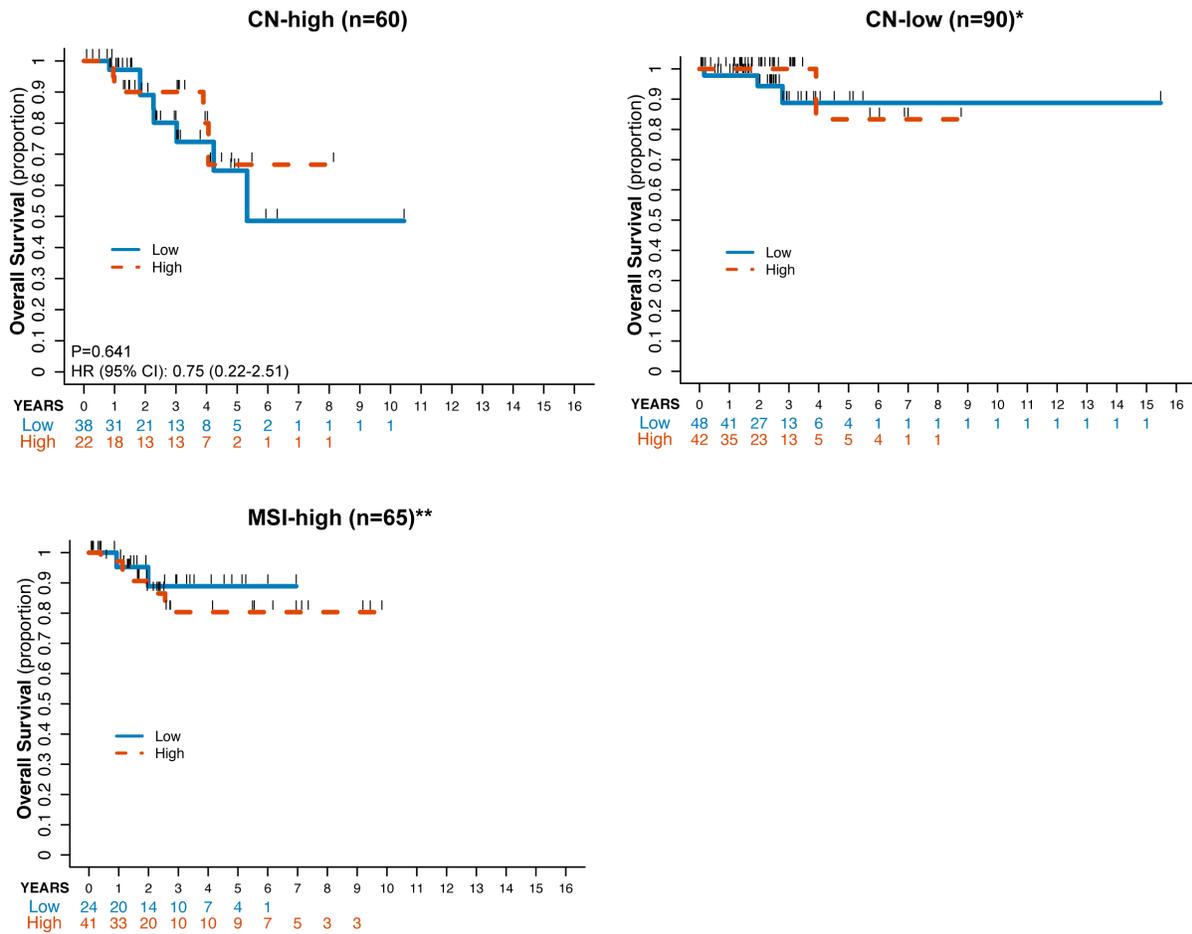
Supplementary Figure 1

Supplementary Table 1. CIBERSORT and ssGSEA comparison for leukocyte subsets in endometrial carcinomas obtained from The Cancer Genome Atlas.

ssGSEA		CIBERSORT	
Immune cell	P-value	Immune cell	P-value
T Cells	0.00917		
Cytotoxic cells	0.0337		
B cells	0.00135	B mem	0.195
		B naïve	0.963
		Plasma	0.0132
CD8	0.00106	CD8	0.000134
		CD4 Naive	0.748
		CD4 mem.rest	0.00164
		CD4 mem.act	1.34E-05
T Helper cells	0.0225		
Tcm	3.66E-05		
Tem	0.0156		
Tfh	0.00301	T Follic.Help	2.13E-06
Tgd	0.0676	Tgd	0.00604
Th1	0.00353		
Th2	9.32E-05		
Th17	0.125		
T reg	3.14E-07	T reg	0.107
Macrophages	0.231	M0	0.887
		M1	0.000155
		M2	0.36
Eosinophils	2.47E-08	Eosinophils	0.193
DC	0.000295		
aDC	1.09E-05	Dendritic cells active	3.19E-05
iDC	0.0023	Dendritic cell resting	0.0011
pDC	0.0203		
Mast cells	0.00172	Act mast	0.204
		Rest Mast	0.388
		Mono	0.0278
PNM	0.00226	PMN	0.0469
NK CD56 bright	1.28E-06		
NK CD56 Dim	4.83E-06		
NK	0.415	NK active	0.734
		NK resting	0.0518
Immunoregulatory markers			
Angiogenesis	0.00049		
CTLA-4	8.99E-05		
PD1	0.000624		
PD-L1	0.00412		

Kruskal-Wallis one way analysis of variance comparison performed comparing the relative enrichment for the 26 leukocyte subset gene sets by ssGSEA (Bindea et al, Immunity 2013) and the 23 leukocyte subset gene sets by CIBERSORT (Newman et al, Nat Methods 2015) for 232 endometrial carcinomas from The Cancer Genome Atlas (TCGA) (Nature 2013). Gene set describing similar or overlapping leukocyte populations as be found in the same row. Statistical significance was defined as a $p < 0.05$.

Supplementary Figure 1



Supplementary Figure 1: Kaplan-Meier estimate of overall survival for ECs by molecular subtype according to CD8+ infiltration defined by CIBERSORT.

ECs of CN-high, CN-low, and MSI molecular subtypes were stratified into CD8+ high (blue solid line) or CD8+ low (orange dashed line) defined by their distribution around the median CD8+ infiltration for the entire cohort (n=232) using CIBERSORT. *Due to only 4 events in OS, no HR and p-value were reported for the CN-low cohort. ** Due to only 7 events in OS, no HR and p-value were reported for the MSI-H cohort.