

**Supplementary Table S2.** Metastatic patterns of ovarian carcinomas retrieved from the Surveillance, Epidemiology, and End Results (SEER) database.

	Histologic subtype				<i>P</i> value					
	NEC	EC	MC	SC	NEC vs EC	NEC vs MC	NEC vs SC	EC vs MC	EC vs SC	MC vs SC
N	242	4958	2700	24129						
Patients with metastasis/Total patients										
	87/217 (40.1%)	259/4946 (5.2%)	274/2687 (10.2%)	7563/24028 (31.5%)	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	<b>0.007</b>	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>
Patients with indicated organ metastasis/Total Patients										
Bone	14/233 (6.0%)	13/4904 (0.3%)	26/2648 (1.0%)	158/23525 (0.7%)	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	<b>0.001</b>	0.07
Brain	6/230 (2.6%)	3/4905 (0.1%)	2/2647 (0.1%)	32/23515 (0.1%)	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	1.000	0.174	0.575
Liver	44/232 (19.0%)	68/4906 (1.4%)	78/2650 (2.9%)	1588/23528 (6.7%)	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>
Lung	24/230 (10.4%)	50/4906 (1.0%)	57/2644 (2.2%)	1267/23494 (5.4%)	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	<b>0.001</b>	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>
distant LN	12/97 (12.4%)	12/1952 (0.6%)	11/1067 (1.0%)	746/9267 (8.0%)	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	0.116	0.209	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>
Other	19/97 (19.6%)	50/1952 (2.6%)	63/1070 (5.9%)	2248/9308 (24.2%)	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	0.296	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>	<b>&lt; 0.001</b>
Patients with indicated organ metastasis/Patients with metastasis										
Bone	13/84 (15.5%)	13/247 (5.3%)	26/260 (10.0%)	157/7293 (2.2%)	<b>0.003</b>	0.169	<b>&lt; 0.001</b>	<b>0.045</b>	<b>0.001</b>	<b>&lt; 0.001</b>
Brain	5/82 (6.1%)	3/248 (1.2%)	2/259 (0.8%)	32/7283 (0.4%)	<b>0.025</b>	<b>0.01</b>	<b>&lt; 0.001</b>	0.618	0.107	0.327
Liver	40/83 (48.2%)	68/248 (27.4%)	78/264 (29.5%)	1581/7297 (21.7%)	<b>&lt; 0.001</b>	<b>0.002</b>	<b>&lt; 0.001</b>	0.594	<b>0.031</b>	<b>0.002</b>
Lung	19/82 (23.2%)	50/247 (20.2%)	56/258 (21.7%)	1263/7271 (17.4%)	0.573	0.78	0.169	0.687	0.242	0.072
distant LN	8/33 (24.2%)	12/84 (14.3%)	11/97 (11.3%)	735/3166 (23.2%)	0.198	0.088	0.889	0.553	0.055	<b>0.006</b>
Other	16/33 (48.5%)	50/84 (59.5%)	61/100 (61.0%)	2206/3216 (68.6%)	0.279	0.207	<b>0.013</b>	0.838	0.078	0.108

Bolded text indicates statistically significant at 0.05 level.

NEC, neuroendocrine carcinoma; EC, endometrioid carcinoma; MC, mucinous carcinoma; SC, serous carcinoma; LN, lymph node