

**Table 2** Clinicopathological features of triple -negative cancer (TNC) and the status of TAMs

Clinicopathological features	CD68						CD163						CD163/CD68					
	Tumor stroma			Tumor nest			Tumor stroma			Tumor nest			Tumor stroma			Tumor nest		
	Low	High	<i>p</i> value	Low	High	<i>p</i> value	Low	High	<i>p</i> value	Low	High	<i>p</i> value	Low	High	<i>p</i> value	Low	High	<i>p</i> value
Age (years)			<i>0.364</i>			<i>0.719</i>			<i>0.183</i>			<i>0.541</i>			<i>0.627</i>			<i>0.072</i>
<50	14	18		17	15		13	19		15	17		17	15		11	21	
≥50	40	35		37	38		41	34		40	35		36	39		40	35	
Tumor size (cm)			<i>0.036*</i>			<i>0.004*</i>			<i>0.634</i>			<i>0.002*</i>			<i>0.634</i>			<i>0.208</i>
≤2	40	29		42	27		36	33		43	26		33	36		36	33	
>2	14	24		12	26		18	20		12	26		20	18		15	23	
Histological grade			<i>0.063</i>			<i>0.564</i>			<i>&lt;0.001*</i>			<i>0.010*</i>			<i>0.26</i>			<i>0.924</i>
I&II	20	11		17	14		25	6		22	9		18	13		15	16	
III	34	42		37	37		29	47		33	43		35	41		36	40	
Histological type			<i>0.501</i>			<i>0.629</i>			<i>0.298</i>			<i>0.148</i>			<i>0.298</i>			<i>0.408</i>
IBC-NST	39	38		37	40		39	38		38	39		39	38		38	39	
IBC-NST with medullary pattern	3	8		5	6		4	7		4	7		7	4		3	8	
ca with apocrine differentiation	6	4		7	3		7	3		9	1		3	7		5	5	
metaplastic carcinoma	4	2		4	2		2	4		3	3		4	2		3	3	
ILC	1	1		1	1		2	0		1	1		0	2		2	0	
IMP	1	0		0	1		0	1		0	1		0	1		0	1	
Lymph node status			<i>0.794</i>			<i>0.789</i>			<i>0.115</i>			<i>0.054</i>			<i>0.212</i>			<i>0.499</i>
absent	31	34		33	32		38	27		39	26		37	28		29	36	
present	15	15		14	16		11	19		10	20		13	17		17	13	
N/A	7	5		7	5		5	7		6	6		4	8				
TILs			<i>0.635</i>			<i>0.635</i>			<i>0.382</i>			<i>0.861</i>			<i>0.382</i>			<i>0.670</i>
low (≤30%)	35	32		35	32		36	31		34	33		31	36		33	34	
high (>30%)	19	21		19	21		18	22		21	19		22	18		18	22	
Recurrence			<i>0.053</i>			<i>0.185</i>			<i>&lt;0.001*</i>			<i>0.004*</i>			<i>0.185</i>			<i>0.485</i>
no	45	35		43	37		46	34		46	34		43	37		35	45	
yes	6	13		7	12		1	18		4	15		7	12		10	9	
Breast cancer mortality			<i>0.179</i>			<i>0.970</i>			<i>0.004*</i>			<i>0.012*</i>			<i>0.059</i>			<i>0.736</i>
no	47	40		44	43		46	41		48	39		47	40		39	48	
yes	4	8		6	6		1	11		2	10		3	9		6	6	

TNC triple-negative cancer, TAMs Tumor-associated macrophages, IBC-NST, invasive breast carcinoma of no special type, ca carcinoma, ILC invasive lobular carcinoma, IMP invasive micropapillary carcinoma, N/A not applicable, TILs tumor-infiltrating lymphocytes.

\**P* value is significant.

\* $\chi^2$  test.