MEANS TABLES=CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY GROUP T_STAGING N_DICOTOMIC_STAGING N_STAGING
M_STAGING AJCC_GROUP PERINEURAL_INVASION HISTOLOGIC_GRADE TUMORAL_SIZE SURVIVAL_DAYS_OP
SURVIVAL_DAYS_INOP
/CELLS=MEAN COUNT STDDEV.

Means

Notes

Output Created		21-MAY-2024 21:21:16
Comments		
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Missing Value Handling	Definition of Missing	For each dependent variable in a table, user-defined missing values for the dependent and all grouping variables are treated as missing.
	Cases Used	Cases used for each table have no missing values in any independent variable, and not all dependent variables have missing values.
Syntax		MEANS TABLES=CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY GROUP T_STAGING N_DICOTOMIC_STAGIN G N_STAGING M_STAGING AJCC_GROUP PERINEURAL_INVASION HISTOLOGIC_GRADE TUMORAL_SIZE SURVIVAL_DAYS_OP SURVIVAL_DAYS_INOP /CELLS=MEAN COUNT ...

Notes

Resources	Processor Time	00:00:00,00
	Elapsed Time	00:00:00,04

Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
CD4 * GROUP	70	100,0%	0	0,0%	70	100,0%
CD8 * GROUP	70	100,0%	0	0,0%	70	100,0%
CD163 * GROUP	70	100,0%	0	0,0%	70	100,0%
FOXP3 * GROUP	70	100,0%	0	0,0%	70	100,0%
HLA-G * GROUP	70	100,0%	0	0,0%	70	100,0%
PD-L1 * GROUP	70	100,0%	0	0,0%	70	100,0%
PD-L2 * GROUP	70	100,0%	0	0,0%	70	100,0%
CD4 * T STAGING	69	98,6%	1	1,4%	70	100,0%
CD8 * T STAGING	69	98,6%	1	1,4%	70	100,0%
CD163 * T STAGING	69	98,6%	1	1,4%	70	100,0%
FOXP3 * T STAGING	69	98,6%	1	1,4%	70	100,0%
HLA-G * T STAGING	69	98,6%	1	1,4%	70	100,0%
PD-L1 * T STAGING	69	98,6%	1	1,4%	70	100,0%
PD-L2 * T STAGING	69	98,6%	1	1,4%	70	100,0%
CD4 * N DICHOTOMOUS	42	60,0%	28	40,0%	70	100,0%
CD8 * N DICHOTOMOUS	42	60,0%	28	40,0%	70	100,0%
CD163 * N DICHOTOMOUS	42	60,0%	28	40,0%	70	100,0%
FOXP3 * N DICHOTOMOUS	42	60,0%	28	40,0%	70	100,0%
HLA-G * N DICHOTOMOUS	42	60,0%	28	40,0%	70	100,0%
PD-L1 * N DICHOTOMOUS	42	60,0%	28	40,0%	70	100,0%
PD-L2 * N DICHOTOMOUS	42	60,0%	28	40,0%	70	100,0%
CD4 * N STAGING	42	60,0%	28	40,0%	70	100,0%
CD8 * N STAGING	42	60,0%	28	40,0%	70	100,0%
CD163 * N STAGING	42	60,0%	28	40,0%	70	100,0%
FOXP3 * N STAGING	42	60,0%	28	40,0%	70	100,0%
HLA-G * N STAGING	42	60,0%	28	40,0%	70	100,0%
PD-L1 * N STAGING	42	60,0%	28	40,0%	70	100,0%
PD-L2 * N STAGING	42	60,0%	28	40,0%	70	100,0%

Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
CD4 * M STAGING	69	98,6%	1	1,4%	70	100,0%
CD8 * M STAGING	69	98,6%	1	1,4%	70	100,0%
CD163 * M STAGING	69	98,6%	1	1,4%	70	100,0%
FOXP3 * M STAGING	69	98,6%	1	1,4%	70	100,0%
HLA-G * M STAGING	69	98,6%	1	1,4%	70	100,0%
PD-L1 * M STAGING	69	98,6%	1	1,4%	70	100,0%
PD-L2 * M STAGING	69	98,6%	1	1,4%	70	100,0%
CD4 * AJCC GROUP	68	97,1%	2	2,9%	70	100,0%
CD8 * AJCC GROUP	68	97,1%	2	2,9%	70	100,0%
CD163 * AJCC GROUP	68	97,1%	2	2,9%	70	100,0%
FOXP3 * AJCC GROUP	68	97,1%	2	2,9%	70	100,0%
HLA-G * AJCC GROUP	68	97,1%	2	2,9%	70	100,0%
PD-L1 * AJCC GROUP	68	97,1%	2	2,9%	70	100,0%
PD-L2 * AJCC GROUP	68	97,1%	2	2,9%	70	100,0%
CD4 * PERINEURAL INVASION	25	35,7%	45	64,3%	70	100,0%
CD8 * PERINEURAL INVASION	25	35,7%	45	64,3%	70	100,0%
CD163 * PERINEURAL INVASION	25	35,7%	45	64,3%	70	100,0%
FOXP3 * PERINEURAL INVASION	25	35,7%	45	64,3%	70	100,0%
HLA-G * PERINEURAL INVASION	25	35,7%	45	64,3%	70	100,0%
PD-L1 * PERINEURAL INVASION	25	35,7%	45	64,3%	70	100,0%
PD-L2 * PERINEURAL INVASION	25	35,7%	45	64,3%	70	100,0%
CD4 * HISTOLOGIC GRADE	66	94,3%	4	5,7%	70	100,0%
CD8 * HISTOLOGIC GRADE	66	94,3%	4	5,7%	70	100,0%
CD163 * HISTOLOGIC GRADE	66	94,3%	4	5,7%	70	100,0%
FOXP3 * HISTOLOGIC GRADE	66	94,3%	4	5,7%	70	100,0%
HLA-G * HISTOLOGIC GRADE	66	94,3%	4	5,7%	70	100,0%

Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
PD-L1 * HISTOLOGIC GRADE	66	94,3%	4	5,7%	70	100,0%
PD-L2 * HISTOLOGIC GRADE	66	94,3%	4	5,7%	70	100,0%
CD4 * TUMORAL SIZE	42	60,0%	28	40,0%	70	100,0%
CD8 * TUMORAL SIZE	42	60,0%	28	40,0%	70	100,0%
CD163 * TUMORAL SIZE	42	60,0%	28	40,0%	70	100,0%
FOXP3 * TUMORAL SIZE	42	60,0%	28	40,0%	70	100,0%
HLA-G * TUMORAL SIZE	42	60,0%	28	40,0%	70	100,0%
PD-L1 * TUMORAL SIZE	42	60,0%	28	40,0%	70	100,0%
PD-L2 * TUMORAL SIZE	42	60,0%	28	40,0%	70	100,0%
CD4 * SURVIVAL - OPERATED (DAYS)	42	60,0%	28	40,0%	70	100,0%
CD8 * SURVIVAL - OPERATED (DAYS)	42	60,0%	28	40,0%	70	100,0%
CD163 * SURVIVAL - OPERATED (DAYS)	42	60,0%	28	40,0%	70	100,0%
FOXP3 * SURVIVAL - OPERATED (DAYS)	42	60,0%	28	40,0%	70	100,0%
HLA-G * SURVIVAL - OPERATED (DAYS)	42	60,0%	28	40,0%	70	100,0%
PD-L1 * SURVIVAL - OPERATED (DAYS)	42	60,0%	28	40,0%	70	100,0%
PD-L2 * SURVIVAL - OPERATED (DAYS)	42	60,0%	28	40,0%	70	100,0%
CD4 * SURVIVAL - INOPERABLE (DAYS)	27	38,6%	43	61,4%	70	100,0%
CD8 * SURVIVAL - INOPERABLE (DAYS)	27	38,6%	43	61,4%	70	100,0%
CD163 * SURVIVAL - INOPERABLE (DAYS)	27	38,6%	43	61,4%	70	100,0%
FOXP3 * SURVIVAL - INOPERABLE (DAYS)	27	38,6%	43	61,4%	70	100,0%
HLA-G * SURVIVAL - INOPERABLE (DAYS)	27	38,6%	43	61,4%	70	100,0%
PD-L1 * SURVIVAL - INOPERABLE (DAYS)	27	38,6%	43	61,4%	70	100,0%
PD-L2 * SURVIVAL - INOPERABLE (DAYS)	27	38,6%	43	61,4%	70	100,0%

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * GROUP

GROUP		CD4	CD8	CD163	FOXP3	HLA-G
Operated group	Mean	236,88	453,42	412,14	50,23	63,84
	N	43	43	43	43	43
	Std. Deviation	131,264	175,455	133,817	39,322	27,268
Inoperable group	Mean	190,63	317,52	338,37	51,67	61,15
	N	27	27	27	27	27
	Std. Deviation	101,390	150,858	127,446	56,626	33,078
Total	Mean	219,04	401,00	383,69	50,79	62,80
	N	70	70	70	70	70
	Std. Deviation	121,966	178,195	135,382	46,367	29,439

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * GROUP

GROUP		PD-L1	PD-L2
Operated group	Mean	6,44	46,16
	N	43	43
	Std. Deviation	10,525	27,814
Inoperable group	Mean	9,15	61,67
	N	27	27
	Std. Deviation	16,645	27,175
Total	Mean	7,49	52,14
	N	70	70
	Std. Deviation	13,175	28,407

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * T STAGING

T STAGING		CD4	CD8	CD163	FOXP3	HLA-G	PD-L1
T1a	Mean	298,00	331,00	239,00	23,00	75,00	,00
	N	1	1	1	1	1	1
	Std. Deviation	.	.	.	.	.	.
T1c	Mean	218,10	478,80	346,30	49,70	62,50	2,80
	N	10	10	10	10	10	10
	Std. Deviation	165,768	195,444	160,064	45,712	26,061	6,125
T2	Mean	245,55	461,23	424,18	55,05	63,73	9,36
	N	22	22	22	22	22	22
	Std. Deviation	122,574	173,237	120,828	35,724	29,591	12,793
T3	Mean	240,00	398,78	471,67	43,44	61,44	4,56
	N	9	9	9	9	9	9
	Std. Deviation	133,884	170,928	114,871	46,790	27,042	7,618
T4	Mean	190,63	317,52	338,37	51,67	61,15	9,15
	N	27	27	27	27	27	27
	Std. Deviation	101,390	150,858	127,446	56,626	33,078	16,645
Total	Mean	220,12	397,51	382,83	50,97	62,41	7,57
	N	69	69	69	69	69	69
	Std. Deviation	122,527	177,070	136,181	46,680	29,467	13,255

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * T STAGING

T STAGING		PD-L2
T1a	Mean	,00
	N	1
	Std. Deviation	.
T1c	Mean	34,50
	N	10
	Std. Deviation	28,718
T2	Mean	57,27
	N	22
	Std. Deviation	21,861
T3	Mean	34,44
	N	9
	Std. Deviation	29,627
T4	Mean	61,67
	N	27
	Std. Deviation	27,175
Total	Mean	51,88
	N	69
	Std. Deviation	28,531

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * N DICHOTOMOUS

N DICHOTOMOUS		CD4	CD8	CD163	FOXP3	HLA-G	PD-L1
Negative	Mean	258,59	444,38	410,79	50,14	60,00	4,45
	N	29	29	29	29	29	29
	Std. Deviation	137,678	180,785	147,910	39,966	29,155	9,175
Positive	Mean	195,54	459,08	412,77	51,38	70,38	11,23
	N	13	13	13	13	13	13
	Std. Deviation	111,278	168,195	107,438	40,875	21,911	12,458
Total	Mean	239,07	448,93	411,40	50,52	63,21	6,55
	N	42	42	42	42	42	42
	Std. Deviation	132,059	175,064	135,351	39,751	27,288	10,629

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * N DICHOTOMOUS

N DICHOTOMOUS		PD-L2
Negative	Mean	41,21
	N	29
	Std. Deviation	27,407
Positive	Mean	55,38
	N	13
	Std. Deviation	27,497
Total	Mean	45,60
	N	42
	Std. Deviation	27,898

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * N STAGING

N STAGING		CD4	CD8	CD163	FOXP3	HLA-G	PD-L1
N0	Mean	258,59	444,38	410,79	50,14	60,00	4,45
	N	29	29	29	29	29	29
	Std. Deviation	137,678	180,785	147,910	39,966	29,155	9,175
N1	Mean	228,33	468,22	431,44	44,89	65,56	15,44
	N	9	9	9	9	9	9
	Std. Deviation	115,046	181,146	108,265	27,787	21,131	12,885
N2	Mean	121,75	438,50	370,75	66,00	81,25	1,75
	N	4	4	4	4	4	4
	Std. Deviation	61,239	157,604	107,304	64,905	22,411	2,217
Total	Mean	239,07	448,93	411,40	50,52	63,21	6,55
	N	42	42	42	42	42	42
	Std. Deviation	132,059	175,064	135,351	39,751	27,288	10,629

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * N STAGING

N STAGING		PD-L2
N0	Mean	41,21
	N	29
	Std. Deviation	27,407
N1	Mean	46,11
	N	9
	Std. Deviation	27,588
N2	Mean	76,25
	N	4
	Std. Deviation	12,500
Total	Mean	45,60
	N	42
	Std. Deviation	27,898

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * M STAGING

M STAGING		CD4	CD8	CD163	FOXP3	HLA-G	PD-L1
M0	Mean	224,16	397,53	387,79	52,05	61,69	6,81
	N	62	62	62	62	62	62
	Std. Deviation	126,385	175,101	136,702	48,144	30,406	12,820
M1	Mean	181,14	403,71	367,57	40,57	70,14	14,57
	N	7	7	7	7	7	7
	Std. Deviation	79,245	216,598	130,242	31,832	21,019	15,894
Total	Mean	219,80	398,16	385,74	50,88	62,55	7,59
	N	69	69	69	69	69	69
	Std. Deviation	122,695	177,897	135,271	46,699	29,580	13,240

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * M STAGING

M STAGING		PD-L2
M0	Mean	51,13
	N	62
	Std. Deviation	29,496
M1	Mean	57,86
	N	7
	Std. Deviation	17,286
Total	Mean	51,81
	N	69
	Std. Deviation	28,478

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * AJCC GROUP

AJCC GROUP		CD4	CD8	CD163	FOXP3	HLA-G	PD-L1
IA	Mean	248,13	430,25	349,63	47,13	57,50	,87
	N	8	8	8	8	8	8
	Std. Deviation	184,030	203,517	176,494	52,689	27,124	1,126
IIA	Mean	301,80	377,80	502,20	49,80	53,00	,00
	N	5	5	5	5	5	5
	Std. Deviation	143,761	231,998	137,092	58,755	30,332	,000
IB	Mean	252,50	450,79	433,21	48,29	64,64	7,21
	N	14	14	14	14	14	14
	Std. Deviation	122,149	132,790	124,127	25,826	31,712	11,722
IIB	Mean	226,25	464,88	420,25	45,38	66,25	17,25
	N	8	8	8	8	8	8
	Std. Deviation	122,807	193,356	110,031	29,664	22,480	12,499
III	Mean	189,00	332,46	340,96	58,62	60,58	6,69
	N	26	26	26	26	26	26
	Std. Deviation	104,052	157,197	124,448	60,406	34,244	15,133
IV	Mean	181,14	403,71	367,57	40,57	70,14	14,57
	N	7	7	7	7	7	7
	Std. Deviation	79,245	216,598	130,242	31,832	21,019	15,894
Total	Mean	220,90	394,57	384,90	51,07	62,15	7,68
	N	68	68	68	68	68	68
	Std. Deviation	123,264	176,689	136,095	47,020	29,608	13,321

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * AJCC GROUP

AJCC GROUP		PD-L2
IA	Mean	18,75
	N	8
	Std. Deviation	22,321
IIA	Mean	28,00
	N	5
	Std. Deviation	31,145
IB	Mean	55,36
	N	14
	Std. Deviation	19,162
IIB	Mean	48,13
	N	8
	Std. Deviation	28,777
III	Mean	63,46
	N	26
	Std. Deviation	27,884
IV	Mean	57,86
	N	7
	Std. Deviation	17,286
Total	Mean	51,54
	N	68
	Std. Deviation	28,602

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * PERINEURAL INVASION

PERINEURAL INVASION		CD4	CD8	CD163	FOXP3	HLA-G	PD-L1
Detected	Mean	251,28	499,11	425,89	63,56	63,78	7,89
	N	18	18	18	18	18	18
	Std. Deviation	156,522	192,961	125,555	37,193	28,219	10,140
Not detected	Mean	260,57	455,86	394,00	51,00	62,86	8,71
	N	7	7	7	7	7	7
	Std. Deviation	139,793	176,536	150,124	53,972	25,797	14,829
Total	Mean	253,88	487,00	416,96	60,04	63,52	8,12
	N	25	25	25	25	25	25
	Std. Deviation	149,189	185,898	130,438	41,728	27,029	11,311

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * PERINEURAL INVASION

PERINEURAL INVASION		PD-L2
Detected	Mean	45,56
	N	18
	Std. Deviation	24,368
Not detected	Mean	52,86
	N	7
	Std. Deviation	37,289
Total	Mean	47,60
	N	25
	Std. Deviation	27,918

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * HISTOLOGIC GRADE

HISTOLOGIC GRADE		CD4	CD8	CD163	FOXP3	HLA-G	PD-L1
Grade 1	Mean	194,82	345,00	427,09	26,27	63,18	8,55
	N	11	11	11	11	11	11
	Std. Deviation	80,145	113,108	148,972	23,698	30,023	15,016
Grade 2	Mean	234,69	418,14	391,08	59,27	64,98	7,84
	N	49	49	49	49	49	49
	Std. Deviation	133,172	191,364	130,579	51,014	27,123	13,774
Grade 3	Mean	174,83	407,67	316,67	32,33	52,83	5,00
	N	6	6	6	6	6	6
	Std. Deviation	97,259	205,201	158,036	25,001	45,137	8,367
Total	Mean	222,61	405,00	390,32	51,32	63,58	7,70
	N	66	66	66	66	66	66
	Std. Deviation	123,547	181,631	136,590	47,364	29,169	13,453

CD4 CD8 CD163 FOXP3 HLA-G PD-L1 PD-L2 * HISTOLOGIC GRADE

HISTOLOGIC GRADE		PD-L2
Grade 1	Mean	37,73
	N	11
	Std. Deviation	32,200
Grade 2	Mean	55,10
	N	49
	Std. Deviation	26,506
Grade 3	Mean	56,67
	N	6
	Std. Deviation	32,197
Total	Mean	52,35
	N	66
	Std. Deviation	28,314

```
NPAR TESTS
/M-W= CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY GROUP(1 2)
/STATISTICS=DESCRIPTIVESQUARTILES
/MISSINGANALYSIS
/METHOD=EXACT TIMER(5).
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NPar Tests

Notes

Output Created		21-MAY-2024 21:27:04
Comments		
Input	Data	C:\Users\Lucas Figueiredo\Desktop\DATA - FINAL.sav
	Active Dataset	ConjuntodeDados1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	70
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable (s) used in that test.
Syntax		NPAR TESTS /M-W= CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY GROUP(1 2) /STATISTICS=DESCRIPTIVES QUARTILES /MISSING ANALYSIS /METHOD=EXACT TIMER(5).
Resources	Processor Time	00:00:00,34
	Elapsed Time	00:00:00,54
	Number of Cases Allowed[a]	241979
	Time for Exact Statistics	0:00:00,42

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentiles 25th	Percentiles 50th (Median)
CD4	70	219,04	121,966	42	627	130,50	193,00
CD8	70	401,00	178,195	45	859	269,75	375,00
CD163	70	383,69	135,382	139	722	270,75	379,00
FOXP3	70	50,79	46,367	1	244	16,00	39,00
HLA-G	70	62,80	29,439	0	99	38,75	70,50
PD-L1	70	7,49	13,175	0	60	,00	1,00
PD-L2	70	52,14	28,407	0	95	30,00	60,00
GROUP	70	1,39	,490	1	2	1,00	1,00

Descriptive Statistics

	Percentiles 75th
CD4	304,75
CD8	489,75
CD163	467,75
FOXP3	68,25
HLA-G	90,00
PD-L1	11,25
PD-L2	75,00
GROUP	2,00

Mann-Whitney Test

Ranks

	GROUP	N	Mean Rank	Sum of Ranks
CD4	Operated group	43	38,00	1634,00
	Inoperable group	27	31,52	851,00
	Total	70		
CD8	Operated group	43	41,99	1805,50
	Inoperable group	27	25,17	679,50
	Total	70		
CD163	Operated group	43	39,57	1701,50
	Inoperable group	27	29,02	783,50
	Total	70		
FOXP3	Operated group	43	36,74	1580,00
	Inoperable group	27	33,52	905,00
	Total	70		
HLA-G	Operated group	43	35,76	1537,50
	Inoperable group	27	35,09	947,50
	Total	70		
PD-L1	Operated group	43	35,90	1543,50
	Inoperable group	27	34,87	941,50
	Total	70		
PD-L2	Operated group	43	30,91	1329,00
	Inoperable group	27	42,81	1156,00
	Total	70		

Test Statistics[a]

	CD4	CD8	CD163	FOXP3	HLA-G	PD-L1
Mann-Whitney U	473,000	301,500	405,500	527,000	569,500	563,500
Wilcoxon W	851,000	679,500	783,500	905,000	947,500	941,500
Z	-1,297	-3,366	-2,112	-,646	-,133	-,216
Asymp. Sig. (2-tailed)	,195	,001	,035	,518	,894	,829
Exact Sig. (2-tailed)	,197	,001	,034	,523	,897	,832
Exact Sig. (1-tailed)	,099	,000	,017	,261	,449	,417
Point Probability	,001	,000	,000	,002	,002	,002

Test Statistics[a]

	PD-L2
Mann-Whitney U	383,000
Wilcoxon W	1329,000
Z	-2,396
Asymp. Sig. (2-tailed)	,017
Exact Sig. (2-tailed)	,016
Exact Sig. (1-tailed)	,008
Point Probability	,000

a. Grouping Variable: GROUP

```
NPAR TESTS
/M-W= CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY N_DICOTOMIC_STAGING(0 1)
/STATISTICS=DESCRIPTIVESQUARTILES
/MISSINGANALYSIS
/METHOD=EXACT TIMER(5).
```

NPar Tests

Notes

Output Created		21-MAY-2024 21:28:44
Comments		
Input	Data	C:\Users\Lucas Figueiredo\Desktop\DATA - FINAL.sav
	Active Dataset	ConjuntodeDados1
	Filter	<none>
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	N of Rows in Working Data File	70
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable (s) used in that test.

Notes

Syntax		NPAR TESTS /M-W= CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY N_DICOTOMIC_STAGING(0 1) /STATISTICS=DESCRIPTIVES QUARTILES /MISSING ANALYSIS /METHOD=EXACT TIMER(5).
Resources	Processor Time	00:00:00,06
	Elapsed Time	00:00:00,10
	Number of Cases Allowed[a]	241979
	Time for Exact Statistics	0:00:00,08

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentile.. 25th
CD4	70	219,04	121,966	42	627	130,50
CD8	70	401,00	178,195	45	859	269,75
CD163	70	383,69	135,382	139	722	270,75
FOXP3	70	50,79	46,367	1	244	16,00
HLA-G	70	62,80	29,439	0	99	38,75
PD-L1	70	7,49	13,175	0	60	,00
PD-L2	70	52,14	28,407	0	95	30,00
N DICHOTOMOUS	42	,31	,468	0	1	,00

Descriptive Statistics

	Percentiles	
	50th (Median)	75th
CD4	193,00	304,75
CD8	375,00	489,75
CD163	379,00	467,75
FOXP3	39,00	68,25
HLA-G	70,50	90,00
PD-L1	1,00	11,25
PD-L2	60,00	75,00
N DICHOTOMOUS	,00	1,00

Mann-Whitney Test

Ranks

	N DICHOTOMOUS	N	Mean Rank	Sum of Ranks
CD4	Negative	29	23,29	675,50
	Positive	13	17,50	227,50
	Total	42		
CD8	Negative	29	20,86	605,00
	Positive	13	22,92	298,00
	Total	42		
CD163	Negative	29	21,09	611,50
	Positive	13	22,42	291,50
	Total	42		
FOXP3	Negative	29	21,36	619,50
	Positive	13	21,81	283,50
	Total	42		
HLA-G	Negative	29	20,21	586,00
	Positive	13	24,38	317,00
	Total	42		
PD-L1	Negative	29	19,12	554,50
	Positive	13	26,81	348,50
	Total	42		
PD-L2	Negative	29	19,48	565,00
	Positive	13	26,00	338,00
	Total	42		

Test Statistics[a]

	CD4	CD8	CD163	FOXP3	HLA-G	PD-L1
Mann-Whitney U	136,500	170,000	176,500	184,500	151,000	119,500
Wilcoxon W	227,500	605,000	611,500	619,500	586,000	554,500
Z	-1,415	-,503	-,327	-,109	-1,024	-1,962
Asymp. Sig. (2-tailed)	,157	,615	,744	,913	,306	,050
Exact Sig. [2*(1-tailed Sig.)]	,159[b]	,629[b]	,747[b]	,914[b]	,318[b]	,060[b]
Exact Sig. (2-tailed)	,161	,624	,752	,920	,313	,050
Exact Sig. (1-tailed)	,080	,312	,376	,460	,157	,026
Point Probability	,002	,005	,005	,005	,003	,001

Test Statistics[a]

	PD-L2
Mann-Whitney U	130,000
Wilcoxon W	565,000
Z	-1,603
Asymp. Sig. (2-tailed)	,109
Exact Sig. [2*(1-tailed Sig.)]	,115[b]
Exact Sig. (2-tailed)	,111
Exact Sig. (1-tailed)	,056
Point Probability	,002

a. Grouping Variable: N DICHOTOMOUS

b. Not corrected for ties.

```
NPAR TESTS
/M-W= CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY PERINEURAL_INVASION(1 2)
/STATISTICS=DESCRIPTIVESQUARTILES
/MISSINGANALYSIS
/METHOD=EXACT TIMER(5).
```

NPar Tests

Notes

Output Created		21-MAY-2024 21:31:18
Comments		
Input	Data	C:\Users\Lucas Figueiredo\Desktop\DATA - FINAL.sav
	Active Dataset	ConjuntodeDados1
	Filter	<none>
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	N of Rows in Working Data File	70
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable (s) used in that test.
Syntax		NPAR TESTS /M-W= CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY PERINEURAL_INVASION (1 2) /STATISTICS=DESCRIPTIVES QUARTILES /MISSING ANALYSIS /METHOD=EXACT TIMER(5).
Resources	Processor Time	00:00:00,02
	Elapsed Time	00:00:00,06
	Number of Cases Allowed[a]	241979
	Time for Exact Statistics	0:00:00,06

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentile.. 25th
CD4	70	219,04	121,966	42	627	130,50
CD8	70	401,00	178,195	45	859	269,75
CD163	70	383,69	135,382	139	722	270,75
FOXP3	70	50,79	46,367	1	244	16,00
HLA-G	70	62,80	29,439	0	99	38,75
PD-L1	70	7,49	13,175	0	60	,00
PD-L2	70	52,14	28,407	0	95	30,00
PERINEURAL INVASION	25	1,28	,458	1	2	1,00

Descriptive Statistics

	Percentiles	
	50th (Median)	75th
CD4	193,00	304,75
CD8	375,00	489,75
CD163	379,00	467,75
FOXP3	39,00	68,25
HLA-G	70,50	90,00
PD-L1	1,00	11,25
PD-L2	60,00	75,00
PERINEURAL INVASION	1,00	2,00

Mann-Whitney Test

Ranks

	PERINEURAL INVASION	N	Mean Rank	Sum of Ranks
CD4	Detected	18	12,94	233,00
	Not detected	7	13,14	92,00
	Total	25		
CD8	Detected	18	13,33	240,00
	Not detected	7	12,14	85,00
	Total	25		
CD163	Detected	18	13,31	239,50
	Not detected	7	12,21	85,50
	Total	25		
FOXP3	Detected	18	13,97	251,50
	Not detected	7	10,50	73,50
	Total	25		
HLA-G	Detected	18	13,11	236,00
	Not detected	7	12,71	89,00
	Total	25		
PD-L1	Detected	18	13,31	239,50
	Not detected	7	12,21	85,50
	Total	25		
PD-L2	Detected	18	12,08	217,50
	Not detected	7	15,36	107,50
	Total	25		

Test Statistics[a]

	CD4	CD8	CD163	FOXP3	HLA-G	PD-L1
Mann-Whitney U	62,000	57,000	57,500	45,500	61,000	57,500
Wilcoxon W	233,000	85,000	85,500	73,500	89,000	85,500
Z	-,061	-,363	-,333	-1,060	-,122	-,342
Asymp. Sig. (2-tailed)	,952	,717	,739	,289	,903	,732
Exact Sig. [2*(1-tailed Sig.)]	,976[b]	,745[b]	,745[b]	,297[b]	,929[b]	,745[b]
Exact Sig. (2-tailed)	,976	,745	,755	,304	,918	,754
Exact Sig. (1-tailed)	,488	,373	,377	,152	,458	,379
Point Probability	,024	,022	,010	,007	,013	,015

Test Statistics[a]

	PD-L2
Mann-Whitney U	46,500
Wilcoxon W	217,500
Z	-1,007
Asymp. Sig. (2-tailed)	,314
Exact Sig. [2*(1-tailed Sig.)]	,326[b]
Exact Sig. (2-tailed)	,330
Exact Sig. (1-tailed)	,164
Point Probability	,006

a. Grouping Variable: PERINEURAL INVASION

b. Not corrected for ties.

```
NPAR TESTS
/K-W=CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY T_STAGING_STAT(0 10)
/STATISTICS DESCRIPTIVESQUARTILES
/MISSINGANALYSIS
```

NPar Tests

Notes

Output Created		21-MAY-2024 21:46:08
Comments		
Input	Data	C:\Users\Lucas Figueiredo\Desktop\DATA - FINAL.sav
	Active Dataset	ConjuntodeDados1
	Filter	<none>
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	Split File	<none>
	N of Rows in Working Data File	70
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable (s) used in that test.
Syntax		NPAR TESTS /K-W=CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY T_STAGING_STAT(0 10) /STATISTICS DESCRIPTIVES QUARTILES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00,00
	Elapsed Time	00:00:00,34
	Number of Cases Allowed[a]	241979

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentile.. 25th
CD4	70	219,04	121,966	42	627	130,50
CD8	70	401,00	178,195	45	859	269,75
CD163	70	383,69	135,382	139	722	270,75
FOXP3	70	50,79	46,367	1	244	16,00
HLA-G	70	62,80	29,439	0	99	38,75
PD-L1	70	7,49	13,175	0	60	,00
PD-L2	70	52,14	28,407	0	95	30,00
T STAGING - STATISTICS	69	5,28	2,057	1	7	5,00

Descriptive Statistics

	Percentiles	
	50th (Median)	75th
CD4	193,00	304,75
CD8	375,00	489,75
CD163	379,00	467,75
FOXP3	39,00	68,25
HLA-G	70,50	90,00
PD-L1	1,00	11,25
PD-L2	60,00	75,00
T STAGING - STATISTICS	6,00	7,00

Kruskal-Wallis Test

Ranks

	T STAGING - STATISTICS	N	Mean Rank
CD4	T1	11	33,09
	T2	22	39,50
	T3	9	38,67
	T4	27	30,89
	Total	69	
CD8	T1	11	41,77
	T2	22	42,64
	T3	9	37,67
	T4	27	25,13
	Total	69	
CD163	T1	11	25,64
	T2	22	41,73
	T3	9	48,72
	T4	27	28,76
	Total	69	
FOXP3	T1	11	34,14
	T2	22	40,09
	T3	9	29,50
	T4	27	33,04
	Total	69	
HLA-G	T1	11	34,27
	T2	22	36,02
	T3	9	33,78
	T4	27	34,87
	Total	69	

Ranks

	T STAGING - STATISTICS	N	Mean Rank
PD-L1	T1	11	31,14
	T2	22	39,07
	T3	9	31,33
	T4	27	34,48
	Total	69	
PD-L2	T1	11	21,36
	T2	22	37,66
	T3	9	23,17
	T4	27	42,33
	Total	69	

Test Statistics[a,b]

	CD4	CD8	CD163	FOXP3	HLA-G	PD-L1	PD-L2
Kruskal-Wallis H	2,641	11,136	11,694	2,373	,107	1,817	12,333
df	3	3	3	3	3	3	3
Asymp. Sig.	,450	,011	,009	,499	,991	,611	,006

a. Kruskal Wallis Test

b. Grouping Variable: T STAGING - STATISTICS

```
NPAR TESTS
/K-W=CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY N_STAGING(0 10)
/STATISTICS DESCRIPTIVESQUARTILES
/MISSINGANALYSIS
```

NPar Tests

Notes

Output Created		21-MAY-2024 21:46:44
Comments		
Input	Data	C:\Users\Lucas Figueiredo\Desktop\DATA - FINAL.sav
	Active Dataset	ConjuntodeDados1
	Filter	<none>
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	Split File	<none>
	N of Rows in Working Data File	70
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable (s) used in that test.
Syntax		NPAR TESTS /K-W=CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY N_STAGING(0 10) /STATISTICS DESCRIPTIVES QUARTILES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00,00
	Elapsed Time	00:00:00,01
	Number of Cases Allowed[a]	241979

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentile.. 25th
CD4	70	219,04	121,966	42	627	130,50
CD8	70	401,00	178,195	45	859	269,75
CD163	70	383,69	135,382	139	722	270,75
FOXP3	70	50,79	46,367	1	244	16,00
HLA-G	70	62,80	29,439	0	99	38,75
PD-L1	70	7,49	13,175	0	60	,00
PD-L2	70	52,14	28,407	0	95	30,00
N STAGING	42	,40	,665	0	2	,00

Descriptive Statistics

	Percentiles	
	50th (Median)	75th
CD4	193,00	304,75
CD8	375,00	489,75
CD163	379,00	467,75
FOXP3	39,00	68,25
HLA-G	70,50	90,00
PD-L1	1,00	11,25
PD-L2	60,00	75,00
N STAGING	,00	1,00

Kruskal-Wallis Test

Ranks

	N STAGING	N	Mean Rank
CD4	N0	29	23,29
	N1	9	21,33
	N2	4	8,88
	Total	42	
CD8	N0	29	20,86
	N1	9	23,22
	N2	4	22,25
	Total	42	
CD163	N0	29	21,09
	N1	9	24,17
	N2	4	18,50
	Total	42	
FOXP3	N0	29	21,36
	N1	9	21,11
	N2	4	23,38
	Total	42	
HLA-G	N0	29	20,21
	N1	9	21,39
	N2	4	31,13
	Total	42	
PD-L1	N0	29	19,12
	N1	9	29,39
	N2	4	21,00
	Total	42	

Ranks

	N STAGING	N	Mean Rank
PD-L2	N0	29	19,48
	N1	9	21,50
	N2	4	36,13
	Total	42	

Test Statistics[a,b]

	CD4	CD8	CD163	FOXP3	HLA-G	PD-L1	PD-L2
Kruskal-Wallis H	4,858	,271	,698	,106	2,807	5,263	6,558
df	2	2	2	2	2	2	2
Asymp. Sig.	,088	,873	,706	,948	,246	,072	,038

a. Kruskal Wallis Test

b. Grouping Variable: N STAGING

```
NPAR TESTS
/K-W=CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY AJCC_GROUP_STAT(0 10)
/STATISTICS DESCRIPTIVESQUARTILES
/MISSINGANALYSIS
```

NPar Tests

Notes

Output Created		21-MAY-2024 21:50:58
Comments		
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	Active Dataset	ConjuntodeDados1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	70
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable (s) used in that test.
Syntax		NPAR TESTS /K-W=CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY AJCC_GROUP_STAT (0 10) /STATISTICS DESCRIPTIVES QUARTILES /MISSING ANALYSIS.
Resources	Processor Time	00:00:00,00
	Elapsed Time	00:00:00,01
	Number of Cases Allowed[a]	241979

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentile.. 25th
CD4	70	219,04	121,966	42	627	130,50
CD8	70	401,00	178,195	45	859	269,75
CD163	70	383,69	135,382	139	722	270,75
FOXP3	70	50,79	46,367	1	244	16,00
HLA-G	70	62,80	29,439	0	99	38,75
PD-L1	70	7,49	13,175	0	60	,00
PD-L2	70	52,14	28,407	0	95	30,00
AJCC GROUP - STATISTICS	68	3,24	1,986	1	6	1,00

Descriptive Statistics

	Percentiles	
	50th (Median)	75th
CD4	193,00	304,75
CD8	375,00	489,75
CD163	379,00	467,75
FOXP3	39,00	68,25
HLA-G	70,50	90,00
PD-L1	1,00	11,25
PD-L2	60,00	75,00
AJCC GROUP - STATISTICS	2,00	5,00

Kruskal-Wallis Test

Ranks

	AJCC GROUP - STATISTICS	N	Mean Rank
CD4	I	22	38,05
	II	13	40,46
	III	26	29,79
	IV	7	29,79
	Total	68	
CD8	I	22	40,70
	II	13	38,42
	III	26	27,56
	IV	7	33,50
	Total	68	
CD163	I	22	36,27
	II	13	44,77
	III	26	28,65
	IV	7	31,57
	Total	68	
FOXP3	I	22	35,07
	II	13	33,35
	III	26	35,23
	IV	7	32,14
	Total	68	
HLA-G	I	22	34,32
	II	13	32,23
	III	26	34,92
	IV	7	37,71
	Total	68	
PD-L1	I	22	32,75
	II	13	35,81
	III	26	32,13
	IV	7	46,36
	Total	68	
PD-L2	I	22	27,50
	II	13	26,65
	III	26	43,88
	IV	7	36,21
	Total	68	

Test Statistics[a,b]

	CD4	CD8	CD163	FOXP3	HLA-G	PD-L1	PD-L2
Kruskal-Wallis H	3,763	5,901	6,110	,198	,372	3,455	10,827
df	3	3	3	3	3	3	3
Asymp. Sig.	,288	,117	,106	,978	,946	,327	,013

a. Kruskal Wallis Test

b. Grouping Variable: AJCC GROUP - STATISTICS

```
NPAR TESTS
/K-W=CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY HISTOLOGIC_GRADE(0 10)
/STATISTICS DESCRIPTIVESQUARTILES
/MISSINGANALYSIS
```

NPar Tests

Notes

Output Created		21-MAY-2024 21:51:45
Comments		
Input	Data	C:\Users\Lucas Figueiredo\Desktop\DATA - FINAL.sav
	Active Dataset	ConjuntodeDados1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	70
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable (s) used in that test.
Syntax		NPAR TESTS /K-W=CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY HISTOLOGIC_GRADE (0 10) /STATISTICS DESCRIPTIVES QUARTILES /MISSING ANALYSIS.

Notes

Resources	Processor Time	00:00:00,00
	Elapsed Time	00:00:00,01
	Number of Cases Allowed[a]	241979

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentile.. 25th
CD4	70	219,04	121,966	42	627	130,50
CD8	70	401,00	178,195	45	859	269,75
CD163	70	383,69	135,382	139	722	270,75
FOXP3	70	50,79	46,367	1	244	16,00
HLA-G	70	62,80	29,439	0	99	38,75
PD-L1	70	7,49	13,175	0	60	,00
PD-L2	70	52,14	28,407	0	95	30,00
HISTOLOGIC GRADE	66	1,92	,506	1	3	2,00

Descriptive Statistics

	Percentiles	
	50th (Median)	75th
CD4	193,00	304,75
CD8	375,00	489,75
CD163	379,00	467,75
FOXP3	39,00	68,25
HLA-G	70,50	90,00
PD-L1	1,00	11,25
PD-L2	60,00	75,00
HISTOLOGIC GRADE	2,00	2,00

Kruskal-Wallis Test

Ranks

	HISTOLOGIC GRADE	N	Mean Rank
CD4	Grade 1	11	30,64
	Grade 2	49	35,10
	Grade 3	6	25,67
	Total	66	
CD8	Grade 1	11	28,64
	Grade 2	49	34,65
	Grade 3	6	33,00
	Total	66	
CD163	Grade 1	11	37,32
	Grade 2	49	33,94
	Grade 3	6	22,92
	Total	66	
FOXP3	Grade 1	11	21,82
	Grade 2	49	36,93
	Grade 3	6	26,92
	Total	66	
HLA-G	Grade 1	11	32,68
	Grade 2	49	33,98
	Grade 3	6	31,08
	Total	66	
PD-L1	Grade 1	11	32,00
	Grade 2	49	34,50
	Grade 3	6	28,08
	Total	66	
PD-L2	Grade 1	11	24,68
	Grade 2	49	35,10
	Grade 3	6	36,58
	Total	66	

Test Statistics[a,b]

	CD4	CD8	CD163	FOXP3	HLA-G	PD-L1	PD-L2
Kruskal-Wallis H	1,585	,887	2,285	6,346	,146	,750	2,847
df	2	2	2	2	2	2	2
Asymp. Sig.	,453	,642	,319	,042	,929	,687	,241

a. Kruskal Wallis Test

b. Grouping Variable: HISTOLOGIC GRADE

```
NPAR TESTS
/M-W= CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY N_DICOTOMIC_STAGING(0 1)
/STATISTICS=DESCRIPTIVESQUARTILES
/MISSINGANALYSIS
```

NPar Tests

Notes

Output Created		21-MAY-2024 21:52:23
Comments		
Input	Data	C:\Users\Lucas Figueiredo\Desktop\DATA - FINAL.sav
	Active Dataset	ConjuntodeDados1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	70
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable (s) used in that test.
Syntax		NPAR TESTS /M-W= CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY N_DICOTOMIC_STAGING(0 1) /STATISTICS=DESCRIPTIVES QUARTILES /MISSING ANALYSIS /METHOD=EXACT TIMER(5).
Resources	Processor Time	00:00:00,08
	Elapsed Time	00:00:00,12
	Number of Cases Allowed[a]	241979
	Time for Exact Statistics	0:00:00,11

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentile.. 25th
CD4	70	219,04	121,966	42	627	130,50
CD8	70	401,00	178,195	45	859	269,75
CD163	70	383,69	135,382	139	722	270,75
FOXP3	70	50,79	46,367	1	244	16,00
HLA-G	70	62,80	29,439	0	99	38,75
PD-L1	70	7,49	13,175	0	60	,00
PD-L2	70	52,14	28,407	0	95	30,00
N DICHOTOMOUS	42	,31	,468	0	1	,00

Descriptive Statistics

	Percentiles	
	50th (Median)	75th
CD4	193,00	304,75
CD8	375,00	489,75
CD163	379,00	467,75
FOXP3	39,00	68,25
HLA-G	70,50	90,00
PD-L1	1,00	11,25
PD-L2	60,00	75,00
N DICHOTOMOUS	,00	1,00

Mann-Whitney Test

Ranks

	N DICHOTOMOUS	N	Mean Rank	Sum of Ranks
CD4	Negative	29	23,29	675,50
	Positive	13	17,50	227,50
	Total	42		
CD8	Negative	29	20,86	605,00
	Positive	13	22,92	298,00
	Total	42		
CD163	Negative	29	21,09	611,50
	Positive	13	22,42	291,50
	Total	42		
FOXP3	Negative	29	21,36	619,50
	Positive	13	21,81	283,50
	Total	42		
HLA-G	Negative	29	20,21	586,00
	Positive	13	24,38	317,00
	Total	42		
PD-L1	Negative	29	19,12	554,50
	Positive	13	26,81	348,50
	Total	42		
PD-L2	Negative	29	19,48	565,00
	Positive	13	26,00	338,00
	Total	42		

Test Statistics[a]

	CD4	CD8	CD163	FOXP3	HLA-G	PD-L1
Mann-Whitney U	136,500	170,000	176,500	184,500	151,000	119,500
Wilcoxon W	227,500	605,000	611,500	619,500	586,000	554,500
Z	-1,415	-,503	-,327	-,109	-1,024	-1,962
Asymp. Sig. (2-tailed)	,157	,615	,744	,913	,306	,050
Exact Sig. [2*(1-tailed Sig.)]	,159[b]	,629[b]	,747[b]	,914[b]	,318[b]	,060[b]
Exact Sig. (2-tailed)	,161	,624	,752	,920	,313	,050
Exact Sig. (1-tailed)	,080	,312	,376	,460	,157	,026
Point Probability	,002	,005	,005	,005	,003	,001

Test Statistics[a]

	PD-L2
Mann-Whitney U	130,000
Wilcoxon W	565,000
Z	-1,603
Asymp. Sig. (2-tailed)	,109
Exact Sig. [2*(1-tailed Sig.)]	,115[b]
Exact Sig. (2-tailed)	,111
Exact Sig. (1-tailed)	,056
Point Probability	,002

a. Grouping Variable: N DICHOTOMOUS

b. Not corrected for ties.

```
NPAR TESTS
/M-W= CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY M_STAGING(0 1)
/STATISTICS=DESCRIPTIVESQUARTILES
/MISSINGANALYSIS
/METHOD=EXACT TIMER(5).
```

NPar Tests

Notes

Output Created		21-MAY-2024 21:52:45
Comments		
Input	Data	C:\Users\Lucas Figueiredo\Desktop\DATA - FINAL.sav
	Active Dataset	ConjuntodeDados1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	70
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable (s) used in that test.
Syntax		NPAR TESTS /M-W= CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 BY M_STAGING(0 1) /STATISTICS=DESCRIPTIVES QUARTILES /MISSING ANALYSIS /METHOD=EXACT TIMER(5).
Resources	Processor Time	00:00:00,02
	Elapsed Time	00:00:00,11
	Number of Cases Allowed[a]	241979
	Time for Exact Statistics	0:00:00,11

a. Based on availability of workspace memory.

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum	Percentile.. 25th
CD4	70	219,04	121,966	42	627	130,50
CD8	70	401,00	178,195	45	859	269,75
CD163	70	383,69	135,382	139	722	270,75
FOXP3	70	50,79	46,367	1	244	16,00
HLA-G	70	62,80	29,439	0	99	38,75
PD-L1	70	7,49	13,175	0	60	,00
PD-L2	70	52,14	28,407	0	95	30,00
M STAGING	69	,10	,304	0	1	,00

Descriptive Statistics

	Percentiles	
	50th (Median)	75th
CD4	193,00	304,75
CD8	375,00	489,75
CD163	379,00	467,75
FOXP3	39,00	68,25
HLA-G	70,50	90,00
PD-L1	1,00	11,25
PD-L2	60,00	75,00
M STAGING	,00	,00

Mann-Whitney Test

Ranks

	M STAGING	N	Mean Rank	Sum of Ranks
CD4	M0	62	35,51	2201,50
	M1	7	30,50	213,50
	Total	69		
CD8	M0	62	35,15	2179,50
	M1	7	33,64	235,50
	Total	69		
CD163	M0	62	35,34	2191,00
	M1	7	32,00	224,00
	Total	69		
FOXP3	M0	62	35,26	2186,00
	M1	7	32,71	229,00
	Total	69		
HLA-G	M0	62	34,68	2150,00
	M1	7	37,86	265,00
	Total	69		
PD-L1	M0	62	33,65	2086,50
	M1	7	46,93	328,50
	Total	69		
PD-L2	M0	62	34,84	2160,00
	M1	7	36,43	255,00
	Total	69		

Test Statistics[a]

	CD4	CD8	CD163	FOXP3	HLA-G	PD-L1
Mann-Whitney U	185,500	207,500	196,000	201,000	197,000	133,500
Wilcoxon W	213,500	235,500	224,000	229,000	2150,000	2086,500
Z	-,626	-,189	-,417	-,318	-,398	-1,743
Asymp. Sig. (2-tailed)	,531	,850	,676	,750	,690	,081
Exact Sig. (2-tailed)	,542	,857	,687	,759	,700	,083
Exact Sig. (1-tailed)	,271	,428	,343	,380	,350	,044
Point Probability	,003	,003	,004	,004	,004	,001

Test Statistics[a]

	PD-L2
Mann-Whitney U	207,000
Wilcoxon W	2160,000
Z	-,200
Asymp. Sig. (2-tailed)	,842
Exact Sig. (2-tailed)	,849
Exact Sig. (1-tailed)	,425
Point Probability	,003

a. Grouping Variable: M STAGING

```
NONPAR CORR
/VARIABLES=CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 TUMORAL_SIZE
/PRINT=SPEARMANTWOTAIL NOSIG
/MISSING=PAIRWISE
```

Nonparametric Correlations

Notes

Output Created		21-MAY-2024 21:57:20
Comments		
Input	Data	C:\Users\Lucas Figueiredo\Desktop\DATA - FINAL.sav
	Active Dataset	ConjuntodeDados1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	70
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each pair of variables are based on all the cases with valid data for that pair.

Notes

Syntax		NONPAR CORR /VARIABLES=CD4 CD8 CD163 FOXP3 HLAG PDL1 PDL2 TUMORAL_SIZE /PRINT=SPEARMAN TWOTAIL NOSIG /MISSING=PAIRWISE.
Resources	Processor Time	00:00:00,00
	Elapsed Time	00:00:00,00
	Number of Cases Allowed	285975 cases[a]

a. Based on availability of workspace memory

Correlations

			CD4	CD8	CD163
Spearman's rho	CD4	Correlation Coefficient	1,000	,422**	,128
		Sig. (2-tailed)	.	,000	,292
		N	70	70	70
	CD8	Correlation Coefficient	,422**	1,000	,311**
		Sig. (2-tailed)	,000	.	,009
		N	70	70	70
	CD163	Correlation Coefficient	,128	,311**	1,000
		Sig. (2-tailed)	,292	,009	.
		N	70	70	70
	FOXP3	Correlation Coefficient	,402**	,481**	,262*
		Sig. (2-tailed)	,001	,000	,029
		N	70	70	70
	HLA-G	Correlation Coefficient	-,233	,120	,215
		Sig. (2-tailed)	,053	,324	,074
		N	70	70	70
	PD-L1	Correlation Coefficient	-,126	,153	,181
		Sig. (2-tailed)	,298	,205	,134
		N	70	70	70
	PD-L2	Correlation Coefficient	-,038	,013	,010
		Sig. (2-tailed)	,755	,912	,933
		N	70	70	70
	TUMORAL SIZE	Correlation Coefficient	,103	-,131	,422**
		Sig. (2-tailed)	,518	,408	,005
		N	42	42	42

Correlations

			FOXP3	HLA-G	PD-L1
Spearman's rho	CD4	Correlation Coefficient	,402**	-,233	-,126
		Sig. (2-tailed)	,001	,053	,298
		N	70	70	70
	CD8	Correlation Coefficient	,481**	,120	,153
		Sig. (2-tailed)	,000	,324	,205
		N	70	70	70
	CD163	Correlation Coefficient	,262*	,215	,181
		Sig. (2-tailed)	,029	,074	,134
		N	70	70	70
	FOXP3	Correlation Coefficient	1,000	,119	,282*
		Sig. (2-tailed)	.	,328	,018
		N	70	70	70
	HLA-G	Correlation Coefficient	,119	1,000	,303*
		Sig. (2-tailed)	,328	.	,011
		N	70	70	70
	PD-L1	Correlation Coefficient	,282*	,303*	1,000
		Sig. (2-tailed)	,018	,011	.
		N	70	70	70
	PD-L2	Correlation Coefficient	,226	,312**	,339**
		Sig. (2-tailed)	,059	,008	,004
		N	70	70	70
	TUMORAL SIZE	Correlation Coefficient	-,022	-,058	-,019
		Sig. (2-tailed)	,892	,714	,907
		N	42	42	42

Correlations

			PD-L2	TUMORAL SIZE
Spearman's rho	CD4	Correlation Coefficient	-,038	,103
		Sig. (2-tailed)	,755	,518
		N	70	42
	CD8	Correlation Coefficient	,013	-,131
		Sig. (2-tailed)	,912	,408
		N	70	42
	CD163	Correlation Coefficient	,010	,422**
		Sig. (2-tailed)	,933	,005
		N	70	42
	FOXP3	Correlation Coefficient	,226	-,022
		Sig. (2-tailed)	,059	,892
		N	70	42
	HLA-G	Correlation Coefficient	,312**	-,058
		Sig. (2-tailed)	,008	,714
		N	70	42
	PD-L1	Correlation Coefficient	,339**	-,019
		Sig. (2-tailed)	,004	,907
		N	70	42
	PD-L2	Correlation Coefficient	1,000	,090
		Sig. (2-tailed)	.	,571
		N	70	42
	TUMORAL SIZE	Correlation Coefficient	,090	1,000
		Sig. (2-tailed)	,571	.
		N	42	42

**. Correlation is significant at the 0.01 level (2-tailed).

*. Correlation is significant at the 0.05 level (2-tailed).