

Supplemental Table S14. Rate of Change in Values for Each Factor after the Initiation of ICI Treatment

Factor	3 weeks after		6 weeks after		9 weeks after		12 weeks after	
	Rate of change	<i>P</i> value	Rate of change	<i>P</i> value	Rate of change	<i>P</i> value	Rate of change	<i>P</i> value
WBC, / μ L	1.00 (0.66–1.14)	NS	0.83 (0.62–0.84)	NS	0.85 (0.63–1.19)	NS	0.81 (0.68–1.53)	NS
Hb, g/dL	1.06 (1.03–1.13)	NS	1.06 (1.04–1.22)	NS	1.07 (1.04–1.23)	NS	1.06 (1.04–1.07)	NS
Plt, / μ L	0.88 (0.69–1.08)	NS	0.80 (0.55–0.96)	NS	0.76 (0.62–0.89)	NS	0.83 (0.64–1.08)	^a
ANC, / μ L	1.04 (0.59–1.24)	NS	0.72 (0.56–1.00)	NS	0.82 (0.57–1.84)	NS	0.75 (0.55–2.43)	NS
RNC, %	1.00 (0.77–1.14)	NS	0.96 (0.75–1.16)	NS	1.02 (0.87–1.38)	NS	1.04 (0.79–1.54)	NS
ALC, / μ L	0.90 (0.78–1.53)	NS	0.90 (0.73–1.52)	NS	0.90 (0.50–1.48)	NS	0.59 (0.49–1.64)	NS
RLC, %	1.14 (0.82–1.78)	NS	1.43 (0.82–1.89)	NS	1.02 (0.56–1.99)	NS	0.93 (0.39–2.11)	NS
AEC, / μ L	1.36 (0.98–3.50)	NS	1.53 (0.94–3.58)	NS	1.33 (0.78–2.50)	NS	1.53 (0.89–2.00)	NS
REC, %	1.89 (1.18–3.91)	NS	2.57 (1.00–4.91)	NS	1.71 (0.96–3.05)	NS	1.90 (0.72–2.88)	NS
AMC, / μ L	0.84 (0.48–1.21)	NS	0.71 (0.41–1.06)	NS	0.74 (0.48–1.47)	NS	1.24 (0.56–1.31)	NS
RMC, %	1.07 (0.75–1.11)	NS	0.98 (0.73–1.29)	NS	0.87 (0.65–1.25)	NS	1.24 (0.54–1.67)	NS
NLR	0.88 (0.45–1.42)	NS	0.71 (0.39–1.81)	NS	1.04 (0.45–2.55)	NS	1.08 (0.45–4.74)	NS
dNLR	1.00 (0.92–1.04)	NS	1.00 (0.93–1.03)	NS	1.02 (0.95–1.08)	^b	0.97 (0.92–1.11)	NS
NER	0.50 (0.18–1.00)	NS	0.32 (0.15–1.40)	NS	0.40 (0.27–1.11)	NS	0.41 (0.31–4.60)	NS
PLR	0.80 (0.56–1.23)	NS	0.69 (0.48–1.53)	NS	0.76 (0.48–1.37)	NS	1.65 (0.44–1.85)	NS
Alb, g/dL	1.07 (1.03–1.15)	NS	1.11 (1.03–1.28)	^a	1.16 (1.01–1.38)	NS	1.10 (1.01–1.34)	NS
AST, U/L	1.16 (0.87–1.74)	NS	1.19 (0.91–1.98)	NS	1.23 (1.13–1.60)	^a	1.15 (0.95–1.30)	NS
ALT, U/L	1.29 (0.65–1.71)	NS	0.93 (0.73–1.48)	NS	1.39 (1.05–1.77)	^b	0.86 (0.71–1.25)	^b
ALP, U/L	1.02 (0.90–1.41)	NS	1.05 (0.80–1.23)	NS	1.14 (0.97–1.39)	NS	1.08 (0.83–1.46)	NS
BUN, mg/dL	1.10 (0.98–1.12)	NS	1.14 (0.95–1.37)	NS	1.09 (0.99–1.41)	NS	1.00 (0.89–1.21)	NS
Cr, mg/dL	1.07 (0.97–1.15)	NS	1.10 (0.93–1.21)	NS	1.13 (0.95–1.25)	NS	1.16 (0.93–1.18)	NS
eGFR, mL/min/1.73 m ²	0.93 (0.89–1.04)	NS	0.90 (0.82–1.07)	NS	0.88 (0.79–1.06)	NS	0.85 (0.84–1.08)	NS
Na, mEq/L	1.01 (0.99–1.01)	NS	1.01 (0.97–1.01)	NS	1.00 (0.97–1.01)	NS	1.01 (0.98–1.01)	NS
K, mEq/L	1.02 (0.96–1.07)	NS	1.06 (0.99–1.09)	NS	1.04 (1.01–1.09)	^a	1.08 (1.00–1.19)	NS
Cl, mEq/L	1.00 (0.98–1.00)	NS	1.00 (0.95–1.03)	NS	1.00 (0.95–1.03)	NS	1.00 (0.97–1.03)	NS
Ca, mg/dL	1.00 (0.95–1.04)	NS	0.97 (0.92–1.00)	NS	0.98 (0.94–1.00)	NS	0.99 (0.90–1.00)	NS
LDH, U/L	1.02 (0.95–1.15)	NS	1.09 (0.94–1.35)	NS	1.14 (0.92–1.19)	NS	1.05 (0.89–1.24)	NS
CRP, mg/dL	0.47 (0.10–1.01)	NS	0.08 (0.02–0.90)	NS	0.32 (0.02–3.42)	NS	0.68 (0.03–3.15)	NS
FT4, ng/dL	1.09 (NA)	NS	1.19 (1.12–1.32)	NS	0.96 (0.87–1.07)	NS	1.14 (0.86–1.21)	NS
TSH, μ IU/mL	4.06 (NA)	NS	0.96 (NA)	NS	2.11 (0.95–7.26)	NS	1.22 (0.78–2.84)	NS

Values are expressed as median (range). Rate of change in values for each factor after the initiation of ICI treatment is shown. Value at baseline was set as 1. ICI, immune-checkpoint inhibitor; WBC, white blood cell; NS, not significant; Hb, hemoglobin; Plt, platelet count; ANC, absolute neutrophil count; RNC, relative neutrophil count; ALC, absolute lymphocyte count; RLC, relative lymphocyte count; AEC, absolute eosinophil count; REC, relative eosinophil count; AMC, absolute monocyte count; RMC, relative monocyte count; NLR, neutrophil-lymphocyte rate; dNLR, derived NLR; NER, neutrophil-eosinophil rate; PLR, platelet-lymphocyte rate; Alb, albumin; AST, aspartate aminotransferase; ALT, alanine aminotransferase; ALP, alkaline phosphatase; BUN, blood urea nitrogen; Cr, creatinine; eGFR, estimated glomerular filtration rate; Na, sodium; K, potassium; Cl, chloride; Ca, calcium; LDH, lactate dehydrogenase; CRP, C-reactive protein; FT4, free thyroxine; NA, not applicable; TSH, thyrotropin.

^a*P*=0.062 and *P*=0.031 to the value at 0 week, after and before Bonferroni correction, respectively; ^b*P*=0.062 and *P*=0.031 to the value at 6 weeks, after and before Bonferroni correction, respectively.