

Correction

Correction for: Establishing immune scoring model based on combination of the number, function, and phenotype of lymphocytes

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Original article: Aging (Albany NY) 2020; 12: 9328-9343

PMID: [32396527](https://pubmed.ncbi.nlm.nih.gov/32396527/)

PMCID: [PMC7288950](https://pubmed.ncbi.nlm.nih.gov/PMC7288950/)

DOI: [10.18632/aging.103208](https://doi.org/10.18632/aging.103208)

This article has been corrected: The authors requested to correct the unit of cell number in Table 1 and Table 2 to μl instead of ml . This mistake was due to the font corruption. The authors declare that these corrections do not change the results or conclusions of this work.

The corrected Tables are posted below.

Table 1. Reference ranges of lymphocyte number, function, and phenotype in different age groups.

Parameters		All	Children	Adolescents	Adults	Elders	P
		N=261	N=47	N=72	N=90	N=52	
Age	Mean±SD (Range)	33.68±26.63 (1-82)	3.81±1.04 (1-5)	10.81±3.74 (6-18)	46±13.79 (18-65)	71.04±4.39 (66-82)	
Sex	Male:Female	168:93	35:12	52:20	53:37	28:24	
Number							
CD4 ⁺ T cell number (/μl)	Mean±SD (2.5%- 97.5%)	836±355 (374-1881)	1260±399 (635-1979)	927±287 (560-1653)	648±203 (360-1074)	652±187 (367-1007)	<0.001
CD8 ⁺ T cell number (/μl)	Mean±SD (2.5%- 97.5%)	576±310 (154-1459)	880±343 (426-1553)	728±262 (397-1382)	424±171 (180-847)	355±154 (116-681)	<0.001
B cell number (/μl)	Mean±SD (2.5%- 97.5%)	358±252 (73-1006)	695±251 (251-1240)	457±173 (218-905)	184±81 (53-352)	216±140 (67-537)	<0.001
NK cell number (/μl)	Mean±SD (2.5%- 97.5%)	383±219 (103-920)	381±243 (89-905)	345±228 (86-934)	364±165 (154-732)	473±239 (125-1000)	<0.05
Function							
IFN-g ⁺ CD4 ⁺ T cells (%)	Mean±SD (2.5%- 97.5%)	17.84±8.85 (6.62-36.81)	10.23±4.16 (4.08-17.17)	12.28±4.86 (5.43-20.35)	23.72±8.12 (12.34- 40.53)	22.26±7.52 (8.83-34.43)	<0.001
IFN-g ⁺ CD8 ⁺ T cells (%)	Mean±SD (2.5%- 97.5%)	46.25±22.43 (13.59- 87.72)	26.89±10.77 (8.95-46.18)	29.13±10.83 (13.63- 56.57)	56.08±17.92 (22.76- 87.38)	70.46±14.33 (42.84- 92.36)	<0.001
IFN-g ⁺ NK cells (%)	Mean±SD (2.5%- 97.5%)	72.68±12.65 (43.88- 90.94)	67.28±14.57 (40.76- 85.99)	67.77±13.16 (39.70- 87.66)	77.29±9.95 (57.73- 91.48)	76.37±9.52 (59.79- 90.61)	<0.001
Phenotype							
CD28 ⁺ CD4 ⁺ T cells (%)	Mean±SD (2.5%- 97.5%)	94.95±7.03 (73.33- 99.97)	98.17±4.03 (89.50- 99.98)	97.92±2.72 (88.95- 99.95)	92.81±7.6 (71.81- 99.88)	91.61±9.10 (66.26- 99.83)	<0.001
HLA-DR ⁺ CD4 ⁺ T cells (%)	Mean±SD (2.5%- 97.5%)	14.33±7.45 (5.42-32.78)	9.68±4.79 (5.29-24.40)	10.64±4.15 (5.11-19.71)	16.23±7.02 (5.97-34.34)	20.35±8.25 (9.07-40.22)	<0.001
CD45RO+CD4 ⁺ T cells (%)	Mean±SD (2.5%- 97.5%)	50.89±18.88 (20.58- 88.47)	28.77±7.71 (13.63- 43.39)	40.37±9.88 (22.48- 58.08)	61.09±14 (36.21- 88.06)	67.82±14.07 (37.46- 93.85)	<0.001
CD28 ⁺ CD8 ⁺ T cells (%)	Mean±SD (2.5%- 97.5%)	62.06±17.3 (26.41- 88.91)	71.58±12.49 (52.47- 91.71)	71.39±12.36 (45.28- 88.65)	58±15.87 (26.72- 84.13)	47.57±16.5 (20.60- 82.40)	<0.001
HLA-DR ⁺ CD8 ⁺ T cells (%)	Mean±SD (2.5%- 97.5%)	34.93±17.12 (9.97-71.53)	23.26±11.82 (7.42-47.14)	25.13±10.45 (9.98-46.31)	39.09±15.71 (14.96- 72.95)	51.83±13.98 (22.97- 74.98)	<0.001

SD: standard deviation. P means association between different parameters and age in all participants by using Spearman's rank correlation test.

Table 2. Reference ranges of calculated parameters in different age groups.

Parameters		All	Children	Adolescents	Adults	Elders	p
		N=261	N=47	N=72	N=90	N=52	
Age	Mean±SD (Range)	33.68±26.63 (1-82)	3.81±1.04 (1-5)	10.81±3.74 (6-18)	46±13.79 (18-65)	71.04±4.39 (66-82)	
CD4 ⁺ T cell number × function (/μl)	Mean±SD (2.5%-97.5%)	134±66 (56-293)	125±58 (57-225)	108±40 (57-209)	153±75 (61-328)	147±73 (44-311)	<0.001
CD8 ⁺ T cell number × function (/μl)	Mean±SD (2.5%-97.5%)	237±139 (72-567)	240±143 (65-565)	212±126 (86-489)	242±143 (79-564)	259±74 (67-553)	<0.05
NK cell number × function (/μl)	Mean±SD (2.5%-97.5%)	283±175 (49-736)	254±157 (37-585)	241±184 (44-780)	286±142 (90-674)	216±125 (80-832)	<0.001
CD4 ⁺ T cell number × CD28 ⁺ CD4 ⁺ T cells % (/μl)	Mean±SD (2.5%-97.5%)	798±359 (333-1844)	1236±392 (631-1925)	909±288 (536-1638)	600±190 (318-1001)	594±173 (320-894)	<0.001
CD4 ⁺ T cell number × HLA-DR ⁺ CD4 ⁺ T cells % (/μl)	Mean±SD (2.5%-97.5%)	110±60 (36-257)	121±70 (43-299)	95±37 (44-176)	103±52 (35-232)	135±78 (47-339)	<0.01
CD4 ⁺ T cell number × CD45RO ⁺ CD4 ⁺ T cells % (/μl)	Mean±SD (2.5%-97.5%)	385±140 (192-709)	347±109 (220-557)	358±94 (225-570)	393±153 (165-735)	444±168 (219-748)	<0.001
CD8 ⁺ T cell number × CD28 ⁺ CD8 ⁺ T cells % (/μl)	Mean±SD (2.5%-97.5%)	364±232 (82-949)	618±233 (243-1011)	508±174 (262-950)	236±98 (104-435)	134±50 (57-286)	<0.001
CD8 ⁺ T cell number × HLA-DR ⁺ CD8 ⁺ T cells % (/μl)	Mean±SD (2.5%-97.5%)	187±129 (41-547)	221±183 (38-565)	185±113 (67-452)	169±110 (39-478)	132±48 (46-436)	>0.05

SD: standard deviation. P means association between different parameters and age in all participants by using Spearman's rank correlation test.