ANNALS OF LABORATORY MEDICINE

Supplemental Data Table S1. Distribution of the study participants from the four hospitals before outlier exclusion and method comparison, sorted by age group and sex (N = 1,031)

Age	SNUH		AMC		SNUBH		KSHH	
	Male	Female	Male	Female	Male	Female	Male	Female
0–3 mo	18	17	1	4	3	1	0	0
4–11 mo	35	35	87	73	14	7	4	3
1–6 yr	75	73	60	35	68	56	28	20
7–12 yr	23	26	9	7	33	20	11	12
13–15 yr	27	35	5	6	10	4	7	7
16–18 yr	18	19	5	10	4	8	4	4

Abbreviations: SNUH, Seoul National University Hospital; AMC, Asan Medical Center; SNUBH, Seoul National University Bundang Hospital; KSHH, Kangnam Sacred Heart Hospital; mo, month; yr, year.

Supplemental Data Table S2. Results of method comparison using Deming regression, compared with the comparative method, TBA-c16000

Test method	Analyte	Slope			Intercept			Correlation (*r*)
			95% CI			95% CI		
			Lower	Upper		Lower	Upper	
Cobas 8000	Albumin	1.15	1.08	1.22	–0.87	–1.14	–0.60	0.979
	ALP	1.00	0.99	1.00	4.28	3.21	5.36	>0.999
	ALT	0.93	0.92	0.94	–2.76	–3.32	–2.20	>0.999
	AST	0.93	0.93	0.93	–0.11	–0.90	0.68	>0.999
	Bilirubin, total	1.03	1.02	1.04	–0.21	–0.24	–0.17	>0.999
	BUN	0.99	0.98	1.00	–0.46	–0.81	–0.11	>0.999
	Calcium	0.98	0.95	1.01	0.20	–0.08	0.48	0.994
	Chloride	0.95	0.88	1.03	2.22	–5.24	9.69	0.966
	Cholesterol	1.01	0.99	1.03	–3.99	–7.75	–0.24	0.997
	Creatinine	0.98	0.97	0.98	0.01	–0.01	0.03	>0.999
	Glucose	1.01	0.99	1.03	–0.26	–2.68	2.16	0.998
	Phosphorus	1.00	0.97	1.03	0.05	–0.07	0.15	0.996
	Potassium	1.00	0.97	1.02	0.06	–0.07	0.19	0.995
	Protein	0.96	0.93	0.99	0.03	–0.19	0.26	0.993
	Sodium	1.06	0.96	1.17	–8.02	–22.64	6.61	0.941
	TCO2	0.91	0.87	0.95	1.11	0.18	2.04	0.989
	Uric acid	0.92	0.91	0.93	–0.10	–0.18	–0.03	0.999
Hitachi 7600	Albumin	0.93	0.86	0.99	0.16	–0.10	0.43	0.969
	ALP	1.12	1.11	1.12	6.60	4.90	8.40	>0.999
	ALT	0.97	0.96	0.99	–1.60	–2.80	–0.30	0.999
	AST	1.01	1.01	1.01	–0.60	–1.10	0.00	1.000
	Bilirubin, total	1.05	1.04	1.06	–0.07	–0.10	–0.05	>0.999
	BUN	1.06	1.04	1.08	–0.35	–0.90	0.20	0.999
	Calcium	1.01	0.93	1.09	–0.06	–0.81	0.69	0.960
	Chloride	0.91	0.84	0.98	7.26	–0.01	14.53	0.965
	Cholesterol	0.98	0.93	1.04	–3.30	–12.50	5.90	0.983
	Creatinine	0.94	0.93	0.94	0.01	–0.01	0.03	>0.999
	Glucose	1.04	1.01	1.07	–4.10	–8.10	–0.10	0.995
	Phosphorus	1.00	0.97	1.03	0.05	–0.07	0.15	0.996
	Potassium	0.96	0.94	0.98	0.26	0.16	0.36	0.997
	Protein	1.04	1.01	1.06	–0.44	–0.62	–0.26	0.996
	Sodium	1.07	0.99	1.16	–8.59	–20.84	3.66	0.959
	TCO2	0.81	0.72	0.89	0.97	–1.12	3.07	0.928
	Uric acid	0.94	0.92	0.96	0.17	0.07	0.27	0.998
AU 5800	Albumin	1.01	0.97	1.06	–0.26	–0.46	–0.07	0.986
	ALP	1.15	1.12	1.18	1.20	–3.90	6.30	0.997
	ALT	0.99	0.98	1.00	–0.70	–1.40	0.00	>0.999
	AST	1.09	1.08	1.09	–0.70	–1.70	0.20	>0.999

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https://doi.org/10.3343/alm.2021.41.2.155

Supplemental Data Table S2. Continued

Test method	Analyte	Slope			Intercept			Correlation (*r*)
			95% CI			95% CI		
			Lower	Upper		Lower	Upper	
	Bilirubin, total	1.12	1.10	1.13	–0.03	–0.09	0.02	0.999
	BUN	1.03	1.01	1.05	–0.40	–1.00	0.10	0.999
	Calcium	0.86	0.80	0.92	0.87	0.35	1.39	0.974
	Chloride	1.00	0.95	1.05	0.60	–4.80	5.90	0.984
	Cholesterol	1.05	1.01	1.09	–14.30	–21.20	–7.40	0.992
	Creatinine	1.04	1.03	1.05	–0.09	–0.12	–0.05	>0.999
	Glucose	1.03	1.01	1.05	–3.40	–6.30	–0.50	0.997
	Phosphorus	1.01	0.97	1.04	–0.05	–0.18	0.09	0.994
	Potassium	0.98	0.95	1.01	0.06	–0.08	0.20	0.994
	Protein	0.98	0.95	1.02	–0.22	–0.46	0.03	0.992
	Sodium	1.08	0.99	1.17	–12.00	–24.60	0.60	0.957
	TCO2	1.00	0.94	1.07	–4.00	–5.50	–2.40	0.974
	Uric acid	0.94	0.92	0.96	0.17	0.07	0.27	0.998

Abbreviations: ALP, alkaline phosphatase; ALT, alanine aminotransferase; AST, aspartate aminotransferase; BUN, blood urea nitrogen; TCO2, total CO_2.

Supplemental Data Table S3. Instruments, reagents, and calibrators used in the four hospitals for routine chemistry tests that showed an equivalent result in at least one hospital when compared with SNUH and for which standardization or harmonization was confirmed by JCTLM

Institute	SNUH	SNUBH	AMC	KSHH
Instrument	TBA-c16000	AU 5800	Cobas 8000	Hitachi 7600
Calcium	Denka	Beckman Coulter	Roche	Wako
	Roche C.f.a.s	Beckman Coulter system calibrator	Roche C.f.a.s	Roche C.f.a.s
	NIST SRM 915a	NIST SRM 909b	SRM 956c	SRM 956c
Glucose	SICDIA	Beckman Coulter	Roche	Wako
	Roche C.f.a.s	Beckman Coulter system calibrator	Roche C.f.a.s	Roche C.f.a.s
	NIST SRM 965	NIST SRM 965	NIST SRM 965	NIST SRM 965
Cholesterol	SICDIA	Beckman Coulter	Roche	Wako
	Roche C.f.a.s	Beckman Coulter system calibrator	Roche C.f.a.s	Roche C.f.a.s
	Unidentified	Unidentified	Unidentified	Unidentified
Sodium	Toshiba	Beckman Coulter	Roche	Sekisui
	Toshiba C.f.a.s	Beckman Coulter ISE standard	Roche ISE STD	Sekisui ISE standard
	NIST SRM 919	NIST SRM 919	Primary calibrator	Unidentified
Potassium	Toshiba	Beckman Coulter	Roche	Sekisui
	Toshiba C.f.a.s	Beckman Coulter ISE standard	Roche ISE STD	Sekisui ISE standard
	NIST SRM 919	NIST SRM 918	Primary calibrator	Unidentified
Chloride	Toshiba	Beckman Coulter	Roche	Sekisui
	Toshiba C.f.a.s	Beckman Coulter ISE standard	Roche ISE STD	Sekisui ISE standard
	NIST SRM 919	NIST SRM 919	Primary calibrator	Unidentified

Abbreviations: JCTLM, Joint Committee for Traceability in Laboratory Medicine; C.f.a.s, Calibrator for Automated Systems; NIST, National Institute of Standards and Technology; SRM, standard reference material; SNUH, Seoul National University Hospital; SNUBH, Seoul National University Bundang Hospital; AMC, Asan Medical Center; KSHH, Kangnam Sacred Heart Hospital.

https://doi.org/10.3343/alm.2021.41.2.155

Supplemental Data Table S4. Results of the diagnostic hematology program of the Korean Association of External Quality Assessment from 2012 to 2015, during the period of data collection

Sample	Test	Mean*	SNUH		AMC		SNUBH		KSHH	
			Value	SDI*	Value	SDI	Value	SDI	Value	SDI
2012011	WBC ($\times 10^9$/L)	7.83	8.00	0.29						
	RBC ($\times 10^6$/μL)	4.70	4.78	0.06						
	Hb (g/L)	134.6	136	0.49						
	Hct (proportion of 1.0)	0.41	0.42	0.91						
	PLT ($\times 10^9$/L)	236.34	203	−1.62						
2012016	PT INR	2.87	2.43	−0.83						
	aPTT ratio	2.19	2.10	−0.13						
2012021	WBC ($\times 10^9$/L)	22.85	23.75	0.78						
	RBC ($\times 10^6$/μL)	5.22	5.35	0.55						
	Hb (g/L)	159.1	161	0.58						
	Hct (proportion of 1.0)	0.48	0.51	1.16						
	PLT ($\times 10^9$/L)	457.56	408	−1.03						
2012031	WBC ($\times 10^9$/L)	3.22	3.28	0.23	3.06	−0.61				
	RBC ($\times 10^6$/μL)	2.18	2.22	0.06	2.19	0.01				
	Hb (g/L)	54.9	55	0.05	55	0.05				
	Hct (proportion of 1.0)	0.17	0.18	0.87	0.18	0.97				
	PLT ($\times 10^9$/L)	76.01	69	−0.96	72.00	−0.55				
2012036	PT INR	5.04	3.74	−0.78	5.22	0.11				
	aPTT ratio	3.53	3.41	−0.03	2.73	−0.83				
2012041	WBC ($\times 10^9$/L)	8.03	7.80	−0.17	7.46	−0.41				
	RBC ($\times 10^6$/μL)	4.58	4.71	0.68	4.59	0.05				
	Hb (g/L)	133.5	136	1.04	135	0.62				
	Hct (proportion of 1.0)	0.42	0.45	1.30	0.44	1.17				
	PLT ($\times 10^9$/L)	238.27	231	−0.33	218.00	−0.91				
2013011	WBC ($\times 10^9$/L)	3.27	3.35	0.28	3.05	−0.77				
	RBC ($\times 10^6$/μL)	2.23	2.30	0.69	2.25	0.17				
	Hb (g/L)	55.1	55	−0.07	55	−0.07				
	Hct (proportion of 1.0)	0.17	0.18	1.32	0.18	0.89				
	PLT ($\times 10^9$/L)	69.72	63	−0.86	61.00	−1.11				
2013016	PT INR	1.00	1.00	0.04	0.94	−0.94				
	aPTT ratio	0.00	1.04	0.89	0.85	−1.29				
2013021	WBC ($\times 10^9$/L)	8.02	8.24	0.33	7.65	−0.57				
	RBC ($\times 10^6$/μL)	4.63	4.73	0.27	4.59	−0.12				
	Hb (g/L)	131.7	134	0.87	132	0.12				
	Hct (proportion of 1.0)	0.40	0.42	1.05	0.42	0.80				
	PLT ($\times 10^9$/L)	228.26	207.00	−1.08	206.00	−1.14				
2013031	WBC ($\times 10^9$/L)	23.04	24.31	0.86	21.68	−0.92				
	RBC ($\times 10^6$/μL)	5.25	5.14	−0.09	5.08	−0.14				
	Hb (g/L)	161.9	160	−0.55	159	−0.85				
	Hct (proportion of 1.0)	0.47	0.46	−0.44	0.47	−0.06				
	PLT ($\times 10^9$/L)	468.19	460.00	−0.19	408.00	−1.43				

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Supplemental Data Table S4. Continued

Sample	Test	Mean*	SNUH		AMC		SNUBH		KSHH	
			Value	SDI*	Value	SDI	Value	SDI	Value	SDI
2013036	PT INR	3.31	2.91	–0.59	3.53	0.35				
	aPTT ratio	2.34	2.32	–0.04	1.62	–1.38				
2013041	WBC ($\times 10^9$/L)	8.04	8.25	0.39	7.88	–0.28	7.79	–0.45	7.80	–0.43
	RBC ($\times 10^6$/μL)	4.69	4.70	0.06	4.70	0.06	4.67	–0.14	4.67	–0.14
	Hb (g/L)	134.6	135	0.14	136	0.53	134	–0.25	135	0.14
	Hct (proportion of 1.0)	0.41	0.41	0.08	0.43	0.76	0.43	0.76	0.38	–1.35
	PLT ($\times 10^9$/L)	239.51	249.00	0.28	231.00	–0.26	241.00	0.04	238.00	–0.05
2014011	WBC ($\times 10^9$/L)	3.24	3.36	0.74	3.20	–0.22	3.19	–0.28	3.19	–0.28
	RBC ($\times 10^6$/μL)	2.23	2.22	–0.16	2.28	0.80	2.27	0.64	2.25	0.32
	Hb (g/L)	54.5	54	–0.29	55	0.28	55	0.28	55	0.28
	Hct (proportion of 1.0)	0.17	0.17	0.12	0.18	0.25	0.18	0.22	0.15	–0.54
	PLT ($\times 10^9$/L)	76.63	73.00	–0.15	71.00	–0.24	72.00	–0.20	75.00	–0.07
2014016	PT INR	5.09	4.44	–0.42	5.69	0.49	5.65	0.46	4.20	–0.60
	aPTT (s)	102.31	99.60	–0.12	46.80	–1.20	89.20	–0.62	97.00	–0.25
2014021	WBC ($\times 10^9$/L)	7.90	8.14	0.48	7.64	–0.51	7.58	–0.62	7.90	0.01
	RBC ($\times 10^6$/μL)	4.53	4.56	0.13	4.53	–0.01	4.45	–0.36	4.51	–0.09
	Hb (g/L)	130.3	131	0.26	131	0.26	130	–0.13	130	–0.13
	Hct (proportion of 1.0)	0.40	0.42	1.11	0.42	0.87	0.41	0.44	0.37	–1.67
	PLT ($\times 10^9$/L)	235.30	238.00	0.14	228.00	–0.37	217.00	–0.93	235.00	–0.02
2014031	WBC ($\times 10^9$/L)	3.22	3.27	0.19	3.19	–0.13	3.20	–0.09	3.36	0.55
	RBC ($\times 10^6$/μL)	2.19	2.11	–0.39	2.25	0.33	2.19	0.02	2.17	–0.08
	Hb (g/L)	55.1	54	–0.63	56	0.47	55	–0.08	57	1.02
	Hct (proportion of 1.0)	0.17	0.17	–0.01	0.18	1.12	0.17	0.67	0.15	–2.02
	PLT ($\times 10^9$/L)	71.30	65.00	–0.77	70.00	–0.16	67.00	–0.53	70.00	–0.16
2014036	PT INR	1.05	1.03	–0.24	1.00	–0.70	1.05	0.06	1.05	0.06
	aPTT (s)	29.18	31.80	0.85	25.50	–1.19	34.50	1.72	34.00	1.56

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https://doi.org/10.3343/alm.2021.41.2.155

Supplemental Data Table S4. Continued

Sample	Test	Mean*	SNUH		AMC		SNUBH		KSHH	
			Value	SDI*	Value	SDI	Value	SDI	Value	SDI
2014041	WBC ($\times 10^9$/L)	23.58			22.56	–0.81	22.35	–0.97	24.55	0.77
	RBC ($\times 10^6$/μL)	5.18			5.11	–0.12	5.09	–0.16	5.15	–0.05
	Hb (g/L)	160.0			158	–0.55	160	–0.00	164	1.08
	Hct (proportion of 1.0)	0.49			0.50	0.47	0.50	0.39	0.43	–2.08
	PLT ($\times 10^9$/L)	447.75			454.00	–0.81	433.00	–0.27	442.00	–0.11
2015011	WBC ($\times 10^9$/L)	8.67			7.86	–0.04			8.39	–0.01
	RBC ($\times 10^6$/μL)	4.58			4.49	–0.09			4.47	–0.11
	Hb (g/L)	132.6			131	–0.63			132	–0.24
	Hct (proportion of 1.0)	0.41			0.42	0.55			0.37	–1.96
	PLT ($\times 10^9$/L)	229.68			222.00	–0.44			215.00	–0.83
2015016	PT INR	3.32			3.32	0.07			2.97	–0.47
	aPTT (s)	66.37			47.90	–1.77			65.00	–0.13
2015021	WBC ($\times 10^9$/L)	23.02			22.57	–0.07			23.50	0.08
	RBC ($\times 10^6$/μL)	5.08			4.96	–0.64			5.00	–0.43
	Hb (g/L)	158.2			157	–0.38			60	0.59
	Hct (proportion of 1.0)	0.48			0.48	0.19			0.42	–2.03
	PLT ($\times 10^9$/L)	457.64			411.00	–1.29			442.00	–0.43
2015031	WBC ($\times 10^9$/L)	8.34							8.38	0.11
	RBC ($\times 10^6$/μL)	4.64							4.58	–0.27
	Hb (g/L)	130.6							129	–0.65
	Hct (proportion of 1.0)	0.39							0.36	–1.57
	PLT ($\times 10^9$/L)	234.19							237.00	0.13
2015035	PT INR	1.05							1.05	0.04
	aPTT (s)	28.98							32.20	0.83

*Mean value and SDI were calculated based on the results of all instruments.
Abbreviations: SNUH, Seoul National University Hospital; AMC, Asan Medical Center; SNUBH, Seoul National University Bundang Hospital; KSHH, Kangnam Sacred Heart Hospital; RBC, red blood cells; WBC, white blood cells; PT, prothrombin time; INR, international normalized ratio; PLTs, platelets; SDI, standard deviation index.

Supplemental Data Table S5. Median value for hematology and coagulation tests and estimated *P* when the results of hematology and coagulation tests from other institutes were compared to those from SNUH, using the Mann–Whitney U test

Test	Age	Sex	SNUH	AMC	*P*	SNUBH	*P*	KSHH	*P*
			Median	Median		Median		Median	
WBC ($\times 10^9$/L)	0–3 mo	M	11.67	N/A	N/A	12.12	0.669	N/A	N/A
		F	11.08	8.40	0.081	N/A	N/A	N/A	N/A
	4–11 mo	Both	9.39	10.60	0.004	10.35	0.159	8.63	0.979
	1–6 yr	Both	8.33	8.90	0.031	8.37	0.725	8.34	0.670
	7–18 yr	Both	6.68	8.30	<0.001	6.91	0.408	6.42	0.343
ANC ($\times 10^9$/L)	0–11 mo	Both	1.68	1.98	0.137	2.03	0.799	N/A	N/A
	1–18 yr	Both	3.12	3.28	<0.001	3.37	0.094	N/A	N/A
Segmented neutrophils (%)	0–11 mo	Both	17.4	19.1	0.689	20.1	0.349	25.2	0.051
	1–6 yr	Both	34.3	31.0	0.037	41.3	0.002	37.9	0.023
	7–12 yr	Both	47.5	53.8	0.163	45.9	0.693	52.2	0.196
	13–18 yr	Both	53.0	80.6	<0.001	54.4	0.169	53.3	0.830
Lymphocytes (%)	0–11 mo	Both	71.2	71.4	0.306	70.6	0.458	61.7	0.029
	1–6 yr	Both	54.3	59.3	0.039	48.1	0.004	47.2	0.001
	7–12 yr	Both	43.1	38.2	0.206	43.5	0.673	37.9	0.052
	13–18 yr	Both	36.6	13.5	<0.001	34.8	0.164	37.0	0.933
Monocytes (%)	All	Both	6.2	5.7	0.001	5.6	<0.001	4.5	<0.001
Eosinophils (%)	All	M	3.1	2.4	0.009	2.8	0.753	3.1	0.785
		F	2.3	2.4	0.509	2.2	0.779	2.6	0.190
Basophils (%)	All	Both	0.3	0.3	0.293	0.4	0.104	0.6	<0.001
RBC ($\times 10^6$/ μL)	0–3 mo	Both	3.88	3.44	0.027	3.75	0.576	N/A	N/A
	4 mo–18 yr	M	4.82	4.68	0.010	4.68	0.111	4.81	0.416
		F	4.54	4.48	0.101	4.55	0.968	4.60	0.180
MCV (fL)	0–3 mo	Both	87.0	98.9	0.001	83.2	0.704	N/A	N/A
	4–11 mo	M	75.8	76.3	0.391	72.3	0.097	72.4	0.381
		F	78.0	78.5	0.171	79.5	0.106	70.9	0.319
	1–6 yr	M	77.9	78.0	0.499	79.2	0.064	78.4	0.509
		F	80.1	79.4	0.811	80.1	0.567	79.9	0.833
	7–12 yr	M	81.2	82.7	0.363	82.9	0.169	80.3	0.663
		F	83.9	85.4	0.268	82.6	0.074	84.5	0.505
	13–15 yr	M	84.6	82.2	0.418	84.3	0.880	85.2	0.588
		F	87.5	87.5	0.787	90.9	0.230	84.5	0.028
	13–18 yr	M	87.6	88.3	0.745	86.0	0.342	85.0	0.066
		F	90.0	88.4	0.085	89.8	0.938	84.6	0.006
MCH (pg)	0–3 mo	Both	29.6	33.9	0.002	29.2	0.947	N/A	N/A
	4–11 mo	M	25.9	25.9	0.508	24.8	0.250	25.4	0.806
		F	26.5	26.8	0.248	27.9	0.021	23.6	0.405
	1–6 yr	Both	27.1	27.0	0.390	27.6	0.010	27.4	0.329
	7–12 yr	Both	28.2	28.7	0.406	28.5	0.637	28.8	0.550
	13–15 yr	Both	29.4	28.7	0.935	29.9	0.087	29.8	0.737
	16–18 yr	Both	30.3	30.2	0.678	31.0	0.098	29.3	0.018
MCHC (g/L)	0–12 yr	Both	340	341	0.013	342	0.005	344	0.042
	13–18 yr	M	344	342	0.376	345	0.007	344	0.312
		F	339	341	0.003	345	0.003	346	0.080

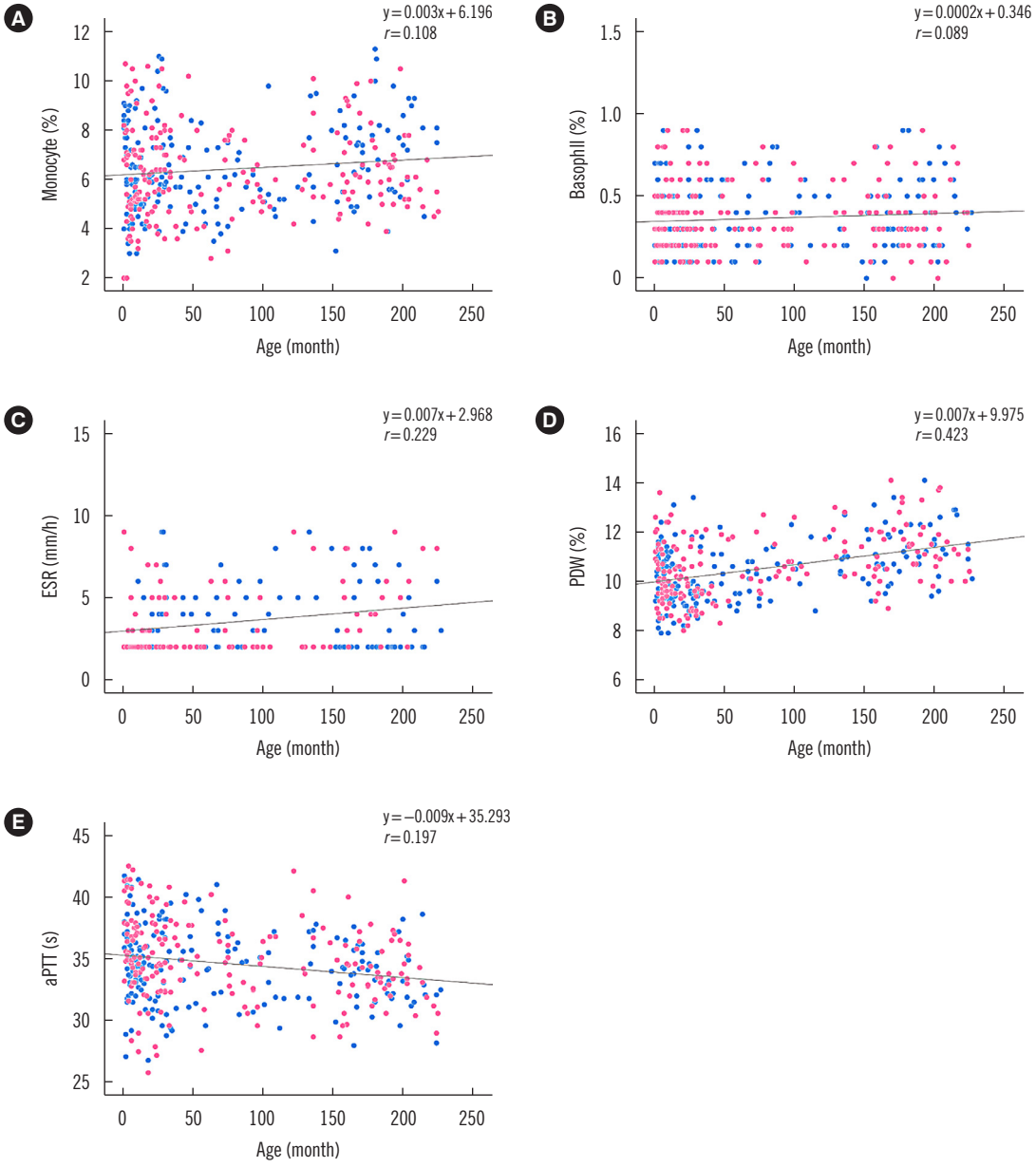
(*Continued to the next page*)

https://doi.org/10.3343/alm.2021.41.2.155

Supplemental Data Table S5. Continued

Test	Age	Sex	SNUH	AMC	*P*	SNUBH	*P*	KSHH	*P*
			Median	Median		Median		Median	
Hb (g/L)	0–3 mo	Both	114	111	0.551	111	0.704	N/A	N/A
	4 mo–6 yr	Both	127	123	<0.001	128	0.198	131	0.003
	7–12 yr	M	137	134	0.483	131	0.253	138	0.561
		F	132	132	0.846	132	0.714	132	0.376
	13–15 yr	M	145	143	0.986	152	0.078	151	0.117
		F	133	137	0.986	132	0.647	134	0.843
	16–18 yr	M	152	158	0.914	157	0.594	154	0.594
		F	132	122	0.009	136	0.260	137	0.667
Hct (proportion of 1.0)	0–3 mo	Both	0.34	0.32	0.380	0.32	0.407	N/A	N/A
	4 mo–6 yr	Both	0.37	0.36	<0.001	0.37	0.829	0.38	0.023
	7–12 yr	Both	0.39	0.38	0.921	0.38	0.230	0.39	0.476
	13–15 yr	M	0.42	0.42	0.416	0.43	0.302	0.44	0.127
		F	0.40	0.40	0.416	0.38	0.704	0.39	0.303
	16–18 yr	M	0.45	0.45	0.691	0.45	0.652	0.45	0.653
		F	0.39	0.36	0.001	0.40	0.735	0.41	0.845
RDW (%)	0–3 mo	Both	14.0	15.4	0.024	14.0	0.947	N/A	N/A
	4 mo–6 yr	M	13.1	13.1	0.841	13.0	0.349	12.9	0.041
		F	12.8	12.9	0.467	12.8	0.557	12.7	0.513
	7–yr	Both	12.7	12.6	0.385	12.6	0.333	12.5	0.195
ESR (mm/hr)	All	Both	3	2	0.002	5	<0.001	4	0.625
Platelets ($\times 10^9$/L)	0–3 mo	Both	409	421	0.358	449	0.517	N/A	N/A
	4–11 mo	Both	347	385	0.003	414	0.202	480	0.082
	1–12 yr	Both	293	342	<0.001	316	<0.001	312	0.055
	13–18 yr	Both	269	250	0.420	261	0.995	293	0.096
PCT (%)	0–11 mo	Both	0.35	N/A	N/A	0.34	0.662	N/A	N/A
	1–18 yr	Both	0.27	N/A	N/A	0.26	0.873	N/A	N/A
MPV (fL)	0–6 yr	Both	9.2	9.0	<0.001	8.7	<0.001	6.7	<0.001
	7–18 yr	Both	10.0	9.6	0.014	9.4	<0.001	7.1	<0.001
PDW (%)	All	Both	10.6	9.7	<0.001	10.2	0.004	46.8	<0.001
PT INR	0–11 mo	Both	1.00	0.96	<0.001	1.00	0.845	1.09	0.001
	1–18 yr	Both	1.06	0.99	<0.001	1.03	0.001	1.11	<0.001
PT (%)	0–11 mo	Both	100.0	109.2	<0.001	100.0	0.836	89.0	0.002
	1–18 yr	Both	92.0	103.7	<0.001	95.0	0.075	88.0	<0.001
PT (s)	0–11 mo	Both	11.0	10.8	0.192	12.9	<0.001	11.7	0.004
	1–18 yr	Both	11.5	11.1	<0.001	13.2	<0.001	11.9	<0.001
aPTT (s)	All	Both	34.5	28.9	<0.001	40.1	<0.001	36.1	0.001
Fibrinogen (g/dL)	0–12 yr	Both	239	N/A	N/A	N/A	N/A	N/A	N/A
	13–18 yr	Both	272	N/A	N/A	N/A	N/A	N/A	N/A

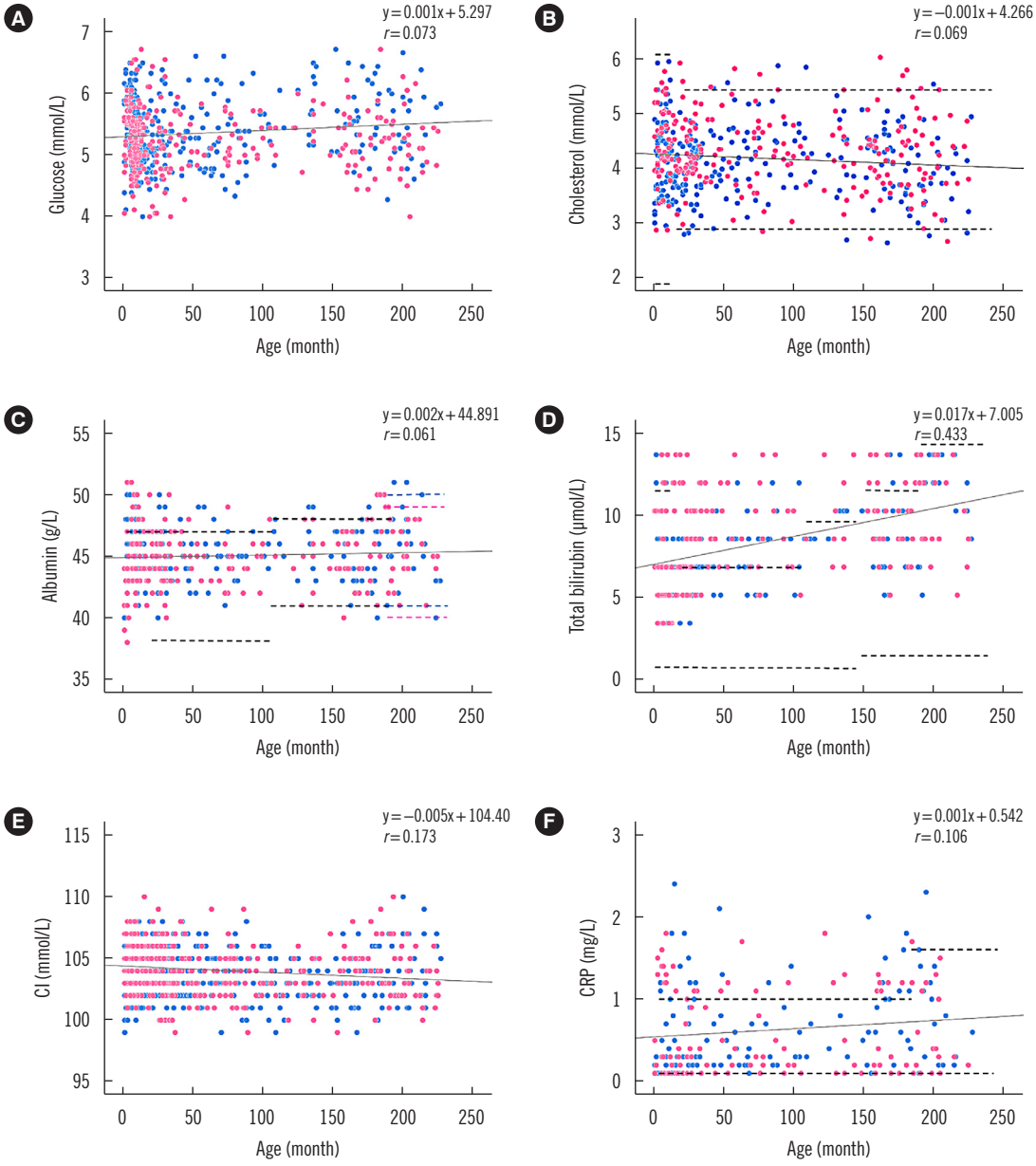
P<0.05 indicates a significant difference.
Abbreviations: SNUH, Seoul National University Hospital; AMC, Asan Medical Center; SNUBH, Seoul National University Bundang Hospital; KSHH, Kangnam Sacred Heart Hospital; N/A, not available; WBC, white blood cells; ANC, absolute neutrophil count; RBC, red blood cells; MCV, mean corpuscular volume; MCH, mean corpuscular hemoglobin; MCHC, mean corpuscular hemoglobin concentration; RDW, RBC distribution width; ESR, erythrocyte sedimentation rate; PDW, platelet distribution width; PT, prothrombin time; INR, international normalized ratio; yr, year; mo, month.



Supplemental Data Figure S1. Scatter plots of hematology and coagulation test results that did not show age-dependent changes. Results obtained at SNUH using the Sysmex XE-2100 platform for hematology and the ACL TOP platform for coagulation testing are presented. (A–D) Percentages of monocytes, basophils, ESR, and PDW. (E) aPTT. Blue and red dots represent male and female children enrolled in the present study.

Abbreviations: SNUH, Seoul National University Hospital; RDW, RBC distribution width; PCT, plateletcrit; aPTT, activated partial thromboplastin time.

https://doi.org/10.3343/alm.2021.41.2.155



Supplemental Data Figure S2. Scatter plots of clinical chemistry test results that did not show age-dependent changes, and the difference between results obtained in this study and reference intervals established previously based mainly on a Caucasian population. All test results that passed method comparison, considered mergeable, and used in multicenter analysis are plotted. (A–F) Glucose, cholesterol, albumin, total bilirubin, Cl, and CRP. Blue and red dots represent male and female children enrolled in the present study. Blue, red, and black dashed lines represent male, female, and common reference limits established in a previous study, respectively.
Abbreviations: Cl, Chloride, CRP, C-reactive protein.