JoS

Heo et al.   Composition Analysis Software for Stroke Thrombi

Supplementary Table 3. Comparison of results grouped by dominant component of the thrombus of each patient

Variable	RBC dominant	PLT+Fibrin dominant
Spearman's correlation coefficient (rho)	0.954	0.767
P	<0.001	<0.001
Differences between analysts (stained ratio, %)		
ARIA	0.4 (0.1–1.4)	0.1 (0.0–0.5)
Traditional	0.7 (0.3–2.5)	0.4 (0.2–1.7)
P	0.001	<0.001
Time needed for analysis (focused time, sec)		
ARIA	7.0 (3.0–11.2)	6.5 (2.8–11.0)
Traditional	238.5 (140.2–293.2)	229.0 (177.8–282.8)
P	<0.001	<0.001

Values are presented as median (interquartile range) for differences between analysts and time needed for analysis.
RBC, red blood cell; PLT, platelet; ARIA, Automated Region-of-interest based Image Analysis.

Supplementary Table 4. Comparison of analyst results grouped by stained antibody

Variable	CD42b	Glycophorin A	Fibrinogen	Tissue factor	Tissue factor*
Spearman's correlation coefficient (rho)	0.888	0.922	0.767	0.441	0.820
P	<0.001	<0.001	<0.001	<0.001	<0.001
Differences between analysts (stained ratio, %)					
ARIA	0.2 (0.1–0.9)	0.4 (0.1–0.8)	0.3 (0.0–1.6)	0.1 (0.0–0.4)	0.1 (0.0–0.4)
Traditional	0.6 (0.3–0.7)	0.2 (0.0–0.7)	1.3 (0.6–4.3)	0.6 (0.1–2.2)	0.2 (0.1–2.2)
P	<0.001	0.185	<0.001	0.001	0.011
Time needed for analysis (focused time, sec)					
ARIA	7.0 (2.8–10.0)	4.5 (2.0–11.0)	7.0 (3.8–12.2)	8.0 (1.8–12.0)	8.0 (1.8–11.2)
Traditional	243.5 (183.2–283.8)	216.0 (164.8–291.2)	225.5 (184.5–282.8)	243.0 (169.5–295.5)	243.0 (165.8–295.5)
P	<0.001	<0.001	<0.001	<0.001	<0.001

Values are presented as median (interquartile range) for differences between analysts and time needed for analysis.
ARIA, Automated Region-of-interest based Image Analysis.
*Without one sample with exceptional disagreement between methods due to differences in thresholding algorithm.