Supplementary material

![グラフ, 散布図

自動的に生成された説明]()

**Supplementary Fig. 1. Linear regression and ROC curve in CFF-A10 and MA without infants.** Linear regression and ROC curve were re-analyzed without infant than one year old. There were significant linear correlations between fibrinogen and CFF-A10 (A; *p* < 0.0001, Y = 6.1 × X + 129.9, R2 = 0.40), and between fibrinogen and CFF-MA (B; *p* < 0.0001, Y = 7.0 × X + 112.8, R2 = 0.43). The optimal cut-off was calculated to maximizes sensitivity and specificity. The cut-off value of CFF-A10 for predicting a fibrinogen concentration of 150 mg/dL was 8.4 mm, with a sensitivity of 82.6% and specificity of 71.4% (C). On the other hand, that of CFF-MA was 9.0 mm, with a sensitivity of 79.4% and specificity of 71.4% (D).

Supplementary Table 1. Clinical and laboratory characteristics, and intraoperative fibrinogen transfusion in each group without infants.

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| --- | --- | --- | --- | --- | --- |
| Variable | Group A | Group B | Group C | Group D | *p*-value |
| Number of patients (without infant), no. (%) | 75 (54%) | 16 (11%) | 35 (25%) | 14 (10%) | - |
| Age, mean ± SD (yr) | 59.2 ± 26.0 | 28.8 ± 29.5a | 43.3 ± 28.6a | 68.4 ± 8.8b | <0.0001 |
| BSA (m2) | 1.47 ± 0.40 | 1.12 ± 0.60a | 1.39 ± 0.46b | 1.61 ± 0.15b | <0.001 |
| Preoperative laboratory data | | | | | |
| Hemoglobin, mean, ± SD (mg/dL) | 12.63 ± 1.87 | 13.46 ± 1.66 | 13.81 ± 1.99a | 12.66 ± 1.53 | <0.05 |
| Platelet count, mean, ± SD (×103/μL) | 20.77 ± 9.20 | 24.50 ± 9.22 | 20.96 ± 8.21 | 15.26 ± 6.06b | <0.05 |
| PT-INR, mean ± SD | 1.093 ± 0.27 | 0.970 ± 0.27 | 1.017 ± 0.22 | 1.232 ± 0.36 | <0.05 |
| APTT, mean ± SD (s) | 36.10 ± 11.44 | 30.32 ± 3.29 | 31.18 ± 4.23 | 35.74 ± 7.60 | <0.05 |
| Fibrinogen level, mean ± SD (mg/dL) | 371.4 ± 135.2 | 248.1 ± 66.59a | 258.7 ± 63.9a | 270.8 ± 48.19a | <0.0001 |
| Intraoperative data | | | | | |
| Intraoperative fibrinogen transfusion (g/BSA) | 0.10 ± 0.33 | 0.19 ± 0.36 | 0.57 ± 0.50a,b | 0.25 ± 0.42 | <0.0001 |

The data are represented as number (percentage) or mean ± standard deviation, as appropriate.

a: The results of Bonferroni’s multiple comparisons test for multiple comparisons or Fisher’s exact test: *p* < 0.05, versus Group A.

b: Results of Bonferroni’s multiple comparisons test for multiple comparisons or Fisher’s exact test: *p* < 0.05, versus Group B.

Abbreviations: BSA, body surface area; APTT, activated partial thromboplastin time; PT-INR, prothrombin time; and international normalized ratio.



**Supplementary Fig. 2. Postoperative blood loss in groups A, B, C, and D without infants.** Blood loss was corrected for body surface area. The data represented as the mean ± standard deviation. Statistical analyses were performed with one-way ANOVA with Bonferroni’s test as post hoc.