

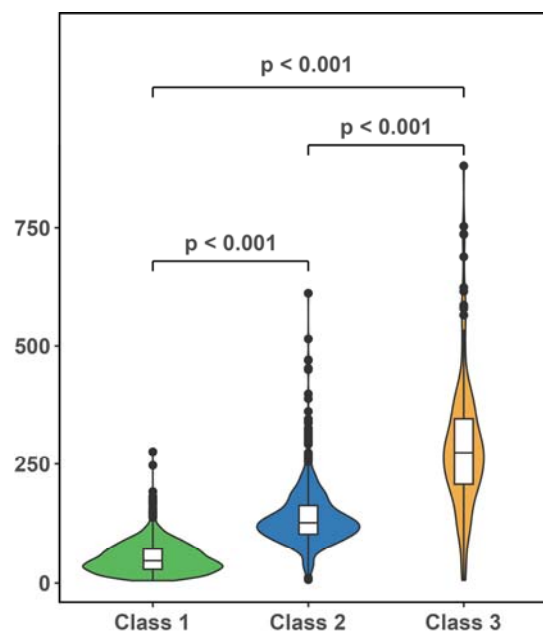
Original Article

Group-Based Trajectory Modeling of Platelet in Patients with Aplastic Anemia: A Study Based on the MIMIC Database

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Supplementary Files



Supplementary Figure 1.

Table S1. Participants characteristics of included patients.

Characters	Overall
	398
Gender	
Female	183 (46.0)
Male	215 (54.0)
Age(years)	61.44 (15.99)
Race	
White	257 (64.6)
Black	21 (5.3)
Other race	120 (30.2)
Marital status	
Married	154 (38.7)
Unmarried	244 (61.3)
LOS (day)	5.81 (6.86)
ICU mortality	85 (21.36)
Weight (kg)	80.37 (24.70)
Heart rate (times/min)	89.38 (16.94)

MBP (mmHg)	77.02 (11.39)
Breath rate (times/min)	20.24 (4.57)
Temperature (°C)	36.92 (0.58)
SpO ₂	96.86 (1.99)
Glucose (mg/dL)	331.60 (3854.83)
Urine output (mL)	1899.27 (1327.74)
GCS	13.74 (2.48)
SOFA	6.66 (3.72)
Anion gap (mmol/L)	16.46 (4.65)
Bicarbonate (mmol/L)	20.69 (4.75)
Chloride (mmol/L)	105.43 (6.79)
Hematocrit (μmol/L)	26.48 (5.85)
Hemoglobin (g/dL)	8.82 (1.99)
Potassium (K/μL)	4.48 (0.88)
PTT (s)	41.95 (28.46)
INR	1.67 (1.22)
PT (s)	17.76 (10.23)
Calcium (mg/dL)	8.27 (0.81)
Sodium (mEq/L)	138.85 (5.79)
WBC (K/μL)	8.75 (13.10)
RBC (m/μL)	2.90 (0.71)
Creatinine (mg/dL)	1.69 (1.79)
BUN (mg/dL)	34.14 (30.39)
ALP (IU/L)	137.03 (139.01)
AST (IU/L)	277.91 (1047.10)
Bilirubin (mg/dL)	2.63 (4.52)
Mechanical ventilation	136 (34.2)
RRT	12 (3.0)
Vasopressin	18 (4.5)
Anti-platelet drug usage	102 (25.6)
Antibiotic usage	322 (80.9)
Platelet transfusion	128 (32.2)
Red blood cell transfusion	185 (46.5)
Congestive heart failure	95 (23.9)
Peripheral vascular disease	24 (6.0)
Chronic pulmonary disease	92 (23.1)
AKI	321 (80.7)
Sepsis	236 (59.3)
Renal disease	87 (21.9)
Liver disease	138 (34.7)
Diabetes	98 (24.6)
Multiple myeloma	9 (2.3)
Leukemia	18 (4.5)
Lymphoma	31 (7.8)

MBP, mean blood pressure; GCS, Glasgow Coma Scale; SOFA, Sequential Organ Failure Assessment; WBC, white blood cell; RBC, red blood cell; PTT, partial thromboplastin time; PT, prothrombin time; INR, international normalized ratio; BUN, blood urea nitrogen; ALP, alkaline phosphatase; AST, aspartate aminotransferase; RRT, renal replacement therapy; AKI, acute kidney injury.

Note: Antiplatelet agents include aspirin and clopidogrel, and receiving a platelet/red blood cell transfusion within 14 days of ICU admission is defined as receiving a platelet/red blood cell transfusion¹

Table S2. Associations between initial baseline platelets and hazard ratios (95% confidence intervals) for 30-day mortality.

Outcomes	HR (95% CI)	p
Model 1	1.000 (0.997-1.003)	0.997
Model 2	1.000 (0.997-1.003)	0.971
Model 3	1.000 (0.997-1.004)	0.894

Model 1 was unadjusted. Model 2: adjust for age, gender, race and marital status. Model 3: model 2 plus adjustment for LOS, weight, Glasgow Coma Scale, SOFA, hematocrit, hemoglobin, platelets, WBC, BUN, creatinine, RBC, INR, PT, PTT, ALP, AST, bilirubin, spO2, urine output, glucose, heart rate, MBP, breath rate, temperature, mechanical ventilation, vasopressin, sepsis, antibiotic usage, anti-platelet usage, leukemia, lymphoma, and multiple myeloma