

Summary of Patient Features

This document provides a detailed description of the features used to represent the 409 patients, 118 positives and 291 negatives. There are 77 patient features in total, F1 to F77, in which F1 to F17 are numeric features, and all the remaining features are Boolean.

Table 1. Summary of 17 numeric features

Feature (mean \pm SD)	Outcome=1 (N=118)	Outcome=0 (N=291)
F1	67.59(\pm 13.72)	63.59(\pm 14.85)
F2	1.05(\pm 0.51)	1.39(\pm 1.91)
F3	1.76(\pm 2.32)	5.24(\pm 4.69)
F4	36.82(\pm 1.30)	36.97(\pm 0.90)
F5	121.66(\pm 26.04)	124.13(\pm 22.21)
F6	66.17(\pm 16.13)	69.80(\pm 11.76)
F7	101.89(\pm 23.20)	91.76(\pm 18.89)
F8	21.39(\pm 11.52)	19.84(\pm 4.05)
F9	138.01(\pm 6.71)	136.25(\pm 7.36)
F10	3.97(\pm 0.92)	3.70(\pm 0.66)
F11	2.37(\pm 2.06)	1.75(\pm 1.93)
F12	29.50(\pm 23.34)	28.60(\pm 4.43)
F13	15.35(\pm 14.31)	10.89(\pm 8.23)
F14	10.00(\pm 4.43)	12.30(\pm 3.53)
F15	38.80(\pm 16.04)	30.12(\pm 12.75)
F16	127.04(\pm 100.51)	174.97(\pm 115.92)
F17	1.50(\pm 2.11)	1.54(\pm 2.46)

Boolean features (F18-F77):

F18 to F77 are Boolean features, each with a value 0 or 1.

- F1 Age
- F2 Days to receive antifungal therapy (treatment on index day=1)
- F3 Days after index (Follow on index day =1)
- F4 Temperature
- F5 Systolic pressure
- F6 Diastolic pressure
- F7 Heart rate
- F8 Respiratory rate
- F9 Na
- F10 K
- F11 Scr
- F12 Hct
- F13 WBC
- F14 Glasgow Coma Score

F15 FiO2
F16 Platelet count ($\times 10^3/\text{uL}$)
F17 Empirical duration
F18 Acute Renal failure
F19 Treatment with appropriate selection
F20 Surgical ward
F21 Medical ward
F22 Hema
F23 Myocardial infarction
F24 Heart failure
F25 Peripheral vascular disease
F26 Cerebrovascular disease
F27 Dementia
F28 Chronic pulmonary disease
F29 Connective tissue disease
F30 Peptic ulcer
F31 Mild liver disease
F32 Diabetes
F33 Diabetes with end organ damage
F34 Hemiplegia
F35 Moderate to severe renal disease
F36 Any tumor
F37 Leukaemia
F38 Moderate to severe liver disease
F39 Metastatic solid tumor
F40 Septic shock (SBP < 90 or vassopressor)
F41 Neutropenia (ANC<1500)
F42 Thrombocytopenia (< 50,000/uL)
F43 ICU admission
F44 Dialysis requirement
F45 Mechanical ventilation
F46 Urinary catheter
F47 Parenteral nutrition
F48 Systemic steroids (20mg prednisone for at least 1week or $\geq 0.3 \text{ mg/kg/day} \geq 3\text{weeks}$)
F49 Primary
F50 Intravascular catheter-related
F51 Abdominal (cIAI)
F52 Urinary tract
F53 Others (2 or more sources)
F54 Source control other than CVC
F55 No CVC
F56 CVC removal
F57 Susceptibility testing
F58 Appropriate antifungal therapy
F59 Empiric adequate antifungal agent
F60 Empiric with Fluconazole
F61 Empirical with Echinocandin
F62 Treatment with appropriate dosing

F63 Treatment with loading dose
F64 No treatment
F65 Treatment with Fluconazole
F66 Treatment with Posaconazole
F67 Treatment with Echinocandin
F68 Gender
F69 Mentalstatus_Alert
F70 Mentalstatus_Comatose
F71 Mentalstatus_Disoriented
F72 Mentalstatus_Stuporous
F73 Candida Albicans
F74 Candida Glabrata
F75 Candida Others
F76 Candida Parapsilosis
F77 Candida Tropicalis