

Supplementary Table 1. Composition and statistical performance of the top 20 classification criteria

N	Classification criteria	Derivation	Sensitivity	Specificity	PPV	NPV	AUC	kappa
929	Ferritin >684 ng/ml (84); PLT ≤ 181 x10 <sup>9</sup> /liter (13); AST > 48 U/l (1); Triglycerides >156 mg/dl (1); Fibrinogen < 360 mg/dl (1) - Total score > 86	MS	0.95	1.0	100	97.4	0.97	0.96
932	Ferritin >684 ng/ml (84); PLT ≤ 181 x10 <sup>9</sup> / liter (13.5); Triglycerides >156 mg/dl (1.5); Fibrinogen < 360 mg/dl (1) - Total score > 85.5	MS	0.95	0.99	98.7	97.4	0.97	0.95
943	Ferritin >684 ng/ml (70); PLT ≤ 181 x10 <sup>9</sup> / liter (25); Triglycerides >156 mg/dl (2); Fibrinogen < 360 mg/dl (3) - Total score > 73	MS	0.95	0.99	98.7	97.4	0.97	0.95
941	Ferritin >684 ng/ml (68); PLT ≤ 181 x10 <sup>9</sup> / liter (25); Triglycerides >156 mg/dl (1); Fibrinogen < 360 mg/dl (3); Albumin ≤ 3.6 g/dl (3) - Total score > 72	MS	0.95	0.99	96.9	97.9	0.97	0.94
976	Ferritin >684 ng/ml (59); PLT ≤ 181 x10 <sup>9</sup> / liter (39); Fibrinogen < 360 mg/dl (1); Hepatomegaly (1) - Total score > 60	MS	0.95	0.99	96.4	98.1	0.97	0.94
930	Ferritin >684 ng/ml (84.5); PLT ≤ 181 x10 <sup>9</sup> / liter	MS	0.96	0.97	93.9	98.1	0.97	0.93

	(13); AST > 48 U/l (1); Triglycerides >156 mg/dl (1.5) - Total score > 86							
931	Ferritin >684 ng/ml (84.5); PLT ≤ 181 x10 <sup>9</sup> / liter (13.5); AST > 48 U/l (1); Fibrinogen < 360 mg/dl (1) - Total score > 85.5	MS	0.95	0.98	95.2	98.1	0.97	0.93
942	Ferritin >684 ng/ml (68); PLT ≤ 181 x10 <sup>9</sup> / liter (25); Fibrinogen < 360 mg/dl (3); Albumin ≤ 3.6 g/dl (3) - Total score > 72	MS	0.93	0.99	97.1	97.4	0.96	0.93
529	At least 4 of the following: Ferritin > 2774 ng/ml; PLT < 181 x10 <sup>9</sup> / liter; AST > 44.4 U/l; Triglycerides > 194 mg/dl; Fibrinogen < 319 mg/dl; Hepatomegaly	CC	0.93	0.98	95.4	97.7	0.96	0.92
798	Ferritin ≥ 500 ng/ml + any 2 of the following: PLT ≤ 262 x10 <sup>9</sup> / liter; AST > 59 U/l; WBC ≤ 4 x10 <sup>9</sup> /l; Fibrinogen ≤ 250 mg/dl	CC	0.94	0.98	94.4	97.9	0.96	0.92
934	Ferritin >684 ng/ml (85.5); PLT ≤ 181 x10 <sup>9</sup> / liter (13.5); Fibrinogen < 360 mg/dl (1) - Total score > 85.5	MS	0.95	0.97	92.1	98.0	0.96	0.91
935	Ferritin >684 ng/ml (85); PLT ≤ 181 x10 <sup>9</sup> / liter (13.5); Triglycerides >156 mg/dl (1.5) - Total score > 86.5	MS	0.88	1.0	100	94.2	0.94	0.91

946	Ferritin >684 ng/ml (71); PLT ≤ 181 x10 <sup>9</sup> / liter (26); Fibrinogen < 360 mg/dl (3) - Total score > 71	MS	0.95	0.97	92.1	98.0	0.96	0.91
947	Ferritin >684 ng/ml (72); PLT ≤ 181 x10 <sup>9</sup> / liter (26); Triglycerides >156 mg/dl (2) - Total score > 74	MS	0.88	1.0	100	94.2	0.94	0.91
977	Ferritin >684 ng/ml (60); PLT ≤ 181 x10 <sup>9</sup> / liter (39); Fibrinogen < 360 mg/dl (1) - Total score > 60	MS	0.95	0.97	92.1	98.0	0.96	0.91
307	Ferritin > 684 ng/ml and PLT ≤ 181 x10 <sup>9</sup> / liter	CC	0.86	1.0	100	94.9	0.93	0.90
466	Ferritin > 684 ng/ml and PLT ≤ 181 x10 <sup>9</sup> / liter + any 1 of the following: AST > 48 U/l; Triglycerides > 156 mg/dl; Fibrinogen < 360 mg/dl	CC	1.0	0.95	85.6	100	0.97	0.90
472	Ferritin > 684 ng/ml + any 2 of the following: PLT ≤ 181 x10 <sup>9</sup> / liter; AST > 48 U/l; Triglycerides > 156 mg/dl; Fibrinogen ≤ 360 mg/dl	CC	0.97	0.96	89.7	98.7	0.96	0.90
481	Any 3 of the following: Ferritin > 2774 ng/ml; PLT < 181 x10 <sup>9</sup> / liter; AST > 44.4 U/l; Triglycerides > 194 mg/dl; Fibrinogen < 319	COC	0.96	0.96	89.2	98.6	0.96	0.90

	mg/dl)							
580	Ferritin > 684 ng/ml and PLT < 181 x10 <sup>9</sup> / liter + any 1 of the following: AST > 48 U/l; Triglycerides > 156 mg/dl; Fibrinogen < 360 mg/dl; Hepatomegaly	CC	0.86	1.0	100	94.9	0.93	0.90

PLT = platelet count; AST = aspartate aminotransferase; MS = criteria derived from the MAS score method (see text for explanation); CC = criteria derived through the combination of criteria approach (see text for explanation); PPV = positive predictive value; NPV = negative predictive value; AUC: area under the curve. The number in parenthesis for the items included in the criteria derived through the MS method are the weights yielded by multivariable logistic regression analyses.