

Supplementary Table 1: Patient acid-base classification vs. laboratory tests.

Count Row %	Total	Normal	Mixed acid	Mixed alkal	RAC	RANC	RAIk C	RAIkN C	MAC	MANC	MAIk C	MAIkN C	P value
C-Reactive Protein													
Low	22 (1.8)	7 (31.8)	0 (0.0)	0 (0.0)	3 (13.6)	4 (18.2)	2 (9.1)	2 (9.1)	1 (4.6)	0 (0.0)	0 (0.0)	3 (13.6)	0.2653
High	886 (71.9)	247 (27.9)	12 (1.4)	1 (0.1)	52 (5.9)	74 (8.4)	123 (13.9)	163 (18.4)	100 (11.3)	55 (6.2)	23 (2.6)	36 (4.1)	
Missing	325 (26.4)	81 (24.9)	6 (1.9)	2 (0.6)	18 (5.5)	34 (10.5)	47 (14.5)	48 (14.8)	39 (12.0)	26 (8.0)	13 (4.0)	11 (3.38)	
D-Dimer													
Low	8 (0.7)	3 (37.5)	0 (0.0)	0 (0.00)	0 (0.0)	0 (0.0)	2 25.00	0 (0.0)	0 (0.0)	1 (12.5)	1 (12.5)	1 (12.5)	0.3222
High	931 (75.5)	245 (26.3)	10 (1.1)	2 (0.2)	54 (5.8)	79 (8.5)	139 (14.9)	166 (17.8)	107 (11.5)	60 (6.4)	27 (2.9)	42 (4.5)	
Missing	294 (23.4)	87 29.59	8 2.72	1 0.34	19 6.46	33 (11.2)	31 (10.5)	47 (16.0)	33 11.22	20 6.80	8 2.72	7 2.38	
Lactate dehydrogenase (LDH)													0.4324
Normal	24 (2.0)	11 (45.8)	0 (0.0)	0 (0.0)	3 (12.50)	2 (8.3)	1 (4.2)	4 (16.7)	1 (4.2)	1 (4.2)	1 (4.2)	0 (0.0)	
High	852 (69.1)	227 (26.6)	8 (0.9)	2 (0.2)	51 (6.0)	72 (8.5)	125 (14.7)	154 (18.1)	100 (11.7)	54 (6.3)	22 (2.6)	37 (4.3)	
Missing	357 (29.0)	97 (27.2)	10 (2.8)	1 (0.3)	19 (5.3)	38 (10.6)	46 (12.9)	55 (15.4)	39 (10.9)	26 (7.3)	13 (3.6)	13 (3.6)	
Sodium													
Low	380 (30.8)	91 (24.0)	5 (1.3)	0 (0.0)	18 (4.7)	32 (8.4)	49 (12.9)	74 (19.5)	56 (14.7)	30 (7.9)	8 (2.1)	17 (4.5)	0.375
Normal	654 (53.0)	190 (29.1)	10 (1.53)	3 (0.5)	39 (6.0)	60 (9.2)	97 (14.8)	106 (16.2)	61 (9.3)	40 (6.1)	23 (3.5)	25 (3.8)	
High	47 (3.8)	12 (25.5)	3 (6.4)	0 (0.0)	4 (8.5)	3 (6.4)	6 (12.8)	7 (14.9)	5 (10.6)	3 (6.4)	2 (4.3)	2 (4.3)	
Missing	152 (12.3)	42 (27.6)	0 (0.0)	0 (0.0)	12 (7.9)	17 (11.2)	20 (13.2)	26 (17.1)	18 (11.8)	8 (5.3)	3 (2.0)	6 (4.0)	
Albumin													
Low	624 (50.6)	149 (23.9)	10 (1.6)	2 (0.3)	43 (6.9)	52 (8.3)	90 (14.4)	112 (18.0)	80 (12.8)	44 (7.1)	16 (2.6)	26 (4.2)	0.7110
Normal	426 (34.6)	127 (29.8)	5 (1.2)	0 (0.0)	23 (5.4)	42 (9.9)	60 (14.1)	72 (16.9)	41 (9.6)	24 (5.6)	14 (3.3)	18 (4.2)	
Missing	183 (14.8)	59 (32.2)	3 (1.6)	1 (0.6)	7 (3.8)	18 (9.8)	22 (12.0)	29 (15.9)	19 (10.4)	13 (7.1)	6 (3.3)	6 (3.3)	
Alanine Transaminase (ALT)													
Normal	849 (68.9)	230 (27.1)	9 (1.1)	2 (0.2)	51 (6.0)	75 (8.8)	113 (13.3)	143 (16.8)	110 (13.0)	56 (6.6)	27 (3.2)	33 (3.9)	0.224
High	229 (18.6)	60 (26.2)	6 (2.6)	0 (0.0)	15 (6.5)	19 (8.3)	44 (19.2)	43 (18.8)	15 (6.6)	12 (5.2)	4 (1.8)	11 (4.8)	
Missing	155 (12.6)	45 (29.0)	3 (1.9)	1 (0.7)	7 (4.5)	18 (11.6)	15 (9.7)	27 (17.4)	15 (9.7)	13 (8.4)	5 (3.2)	6 (3.9)	
Aspartate aminotransferase (AST)													
Normal	625	186	6	2	40	57	78	94	76	39	22	25	0.157

	(50.7)	(29.8)	(1.0)	(0.3)	(6.4)	(9.1)	(12.5)	(15.0)	(12.2)	(6.2)	(3.5)	(4.0)	
High	452 (36.7)	104 (3.0)	9 (2.0)	0 (0.0)	26 (5.8)	37 (8.2)	79 (17.5)	91 (20.1)	49 (10.8)	29 (6.4)	9 (2.0)	19 (4.2)	
Missing	156 (12.7)	45 (28.9)	3 (1.9)	1 (0.6)	7 (4.5)	18 (11.5)	15 (9.6)	28 (18.0)	15 (9.6)	13 (8.3)	5 (3.2)	6 (3.9)	
Platelets													
Low	205 (16.6)	62 (30.2)	6 (2.9)	1 (0.5)	13 (6.3)	17 (8.3)	28 (13.7)	32 (15.6)	23 (11.2)	16 (7.8)	2 (1.0)	5 (2.4)	0.826
Normal	833 (67.6)	222 (26.7)	10 (1.2)	2 (0.2)	49 (5.9)	74 (8.9)	125 (15.0)	144 (17.3)	93 (11.2)	50 (6.0)	27 (3.2)	37 (4.4)	
High	112 (9.1)	26 (23.2)	1 (0.9)	0 (0.0)	6 (5.4)	13 (11.6)	13 (11.6)	19 (17.0)	14 (12.5)	12 (10.7)	4 (3.6)	4 (3.6)	
Missing	83 (6.7)	25 (30.1)	1 (1.2)	0 (0.0)	5 (6.0)	8 (9.6)	6 (7.2)	18 (21.7)	10 (12.1)	3 (3.6)	3 (3.6)	4 (4.8)	
Total	1233	335 (27.2)	18 (1.5)	3 (0.2)	73 (5.9)	112 (9.1)	172 (14.0)	213 (17.3)	140 (11.4)	81 (6.6)	36 (2.9)	50 (4.1)	