

Supplementary Table 3. Baseline characteristics at admission according to the initial ammonia level

Characteristic	Grade 0	Grade 1	Grade 2	Grade 3	p value ^a
Number	585 (60.2)	291 (29.9)	55 (5.7)	41 (4.2)	
Age, yr	69.0 (57.0–78.0)	66.0 (55.0–76.0)	68.0 (54.0–76.0)	66.0 (53.0–75.0)	0.025
Male sex	280 (47.9)	169 (58.1)	32 (58.2)	231 (73.2)	0.001
BMI, kg/m ²	23.1 (20.7–25.5)	23.1 (20.2–25.6)	23.6 (20.3–26.3)	22.0 (19.6–25.2)	0.597
Diabetes	168 (28.7)	80 (27.5)	22 (40.0)	16 (39.0)	0.142
Alcohol > 40 g/day	24 (4.1)	16 (5.5)	3 (5.5)	1 (2.4)	0.705
CHF	24 (4.1)	16 (5.5)	2 (3.6)	0	0.398
ESRD	19 (3.2)	9 (3.1)	4 (7.3)	1 (2.4)	0.431
Extrahepatic malignancy	28 (4.8)	19 (6.5)	4 (7.3)	1 (2.4)	0.521
Endotracheal intubation	253 (43.2)	182 (62.5)	38 (69.1)	31 (75.6)	< 0.001
Acute brain failure	343 (58.6)	217 (74.6)	47 (85.5)	38 (92.7)	< 0.001
Serum ammonia, µg/dL	58.0 (46.0–68.0)	101.0 (89.0–120.0)	194.0 (169.0–216.0)	333.0 (284.0–517.0)	< 0.001
WBC, 10 × 10 ⁹ /L	11.3 (7.8–15.3)	12.7 (7.7–17.6)	13.3 (10.6–18.1)	14.9 (9.3–21.1)	0.001
Hemoglobin, g/dL	12.5 (10.7–13.8)	12.3 (10.6–14.1)	11.3 (10.6–18.1)	12.8 (10.5–14.9)	0.213
Platelet, × 10 ⁹ /L	222.0 (172.0–269.0)	226.0 (162.0–293.0)	211.0 (139.0–283.0)	231.0 (162.5–270.5)	0.515
BUN, mg/dL	17.9 (13.9–28.7)	20.2 (13.8–32.7)	27.6 (17.5–55.6)	27.4 (15.5–42.3)	< 0.001
Creatinine, mg/dL	0.86 (0.65–1.33)	0.61 (0.93–1.51)	1.47 (0.77–2.43)	1.57 (1.18–2.96)	< 0.001
Bilirubin, mg/dL	0.68 (0.51–0.91)	0.67 (0.51–0.99)	0.68 (0.43–0.88)	0.68 (0.43–1.13)	0.804
Albumin, g/dL	3.8 (3.1–4.2)	3.4 (2.8–4.0)	2.9 (2.5–3.6)	3.3 (2.9–3.9)	< 0.001
Total cholesterol, mg/dL	159.0 (123.0–196.5)	146.0 (115.0–179.0)	127.0 (95.0–169.0)	152.0 (104.5–184.0)	0.001
PT-INR	1.04 (0.98–1.16)	1.1 (1.01–1.30)	1.32 (1.13–1.59)	1.32 (1.17–1.53)	< 0.001

Values are presented as number (%) or median (interquartile range).

BMI, body mass index; CHF, congestive heart failure; ESRD, end-stage renal disease; WBC, white blood cell; BUN, blood urea nitrogen; PT-INR, prothrombin time-international normalized ratio.

^aKruskal-wallis test and Pearson chi-square test.