

On-line Table 1: Patients with acute hepatic encephalopathy: etiology, PAL, and outcomes

PAL (n1 10–35 μmol/L) Chronic Therapy									
No.	Sex	Age (Yr)	Cause (West Haven Grade)	Maximal (±8 d)	Range (±30 days)	To ↓ PAL?	Sx Onset to MRI (days)	F-U MRI (days)	Outcome (Grade), Days to Maximal Improvement ^a
1	F	49	AHF, NOS (3)	72 (0 d)	11–72	No	3	Yes (8, 183)	Resolved (0), 5
2	F	55	ACHF (3)	18 (+4 d)	7–30	Yes	4	No	Resolved (0), 9
3	F	38	ACHF (3)	161(+1 d)	79–161	No	1	No	Resolved (0), 5
4	M	58	ACHF (3)	37 (0 d)	37–82	No	0	No	Resolved (0), 13
5	F	69	ACHF (1)	58 (–1 d)	5–58	No	4	No	Resolved (0), 16
6	M	22	AHF, AOD (4)	80 (–7 d)	37–80	No	18	No	Resolved (0), 19
7	F	42	AHF, AOD (1)	N/A	N/A	No	6	No	Resolved (0), 18
8	M	53	ACHF (3)	101 (0 d)	15–101	No	5	No	Minimal deficit (1), 16
9	M	57	ACHF (4)	223(–6 d)	31–223	No	5	Yes (16)	Died at 35 (4)
10	M	45	ACHF (4)	32 (+7 d)	12–123	Yes	11	No	Died at 31 (4)
11	F	35	AHF, AOD (3)	93 (–2 d)	20–93	No	2	No	Resolved (0), 13
12	M	34	AHF, AOD (2)	206(–8 d)	147–206	No	10	Yes (20, 93)	Mild deficit (2), 35
13	F	44	ACHF (2)	73 (–1 d)	58–73	No	2	No	Resolved (0), 6
14	F	10	AHF, AOD, (4)	104 (0 d)	14–104	No	2	Yes (5)	Resolved (0), 13
15	F	70	ACHF (3)	177 (0 d)	94–177	No	0	No	Moderate deficit (3), 3
16	M	45	ACHF (2),	34 (–3 d)	31–34	Yes	17	No	Resolved (0), 21
17	F	43	ACHF (3)	89 (–1 d)	24–187	Yes	1	Yes (81)	Mild deficit (2), 4
18	M	63	ACHF (4)	348 (0 d)	44–348	No	6	No	Died at 7 (4)
19	M	45	ACHF (4)	280 (–5 d)	87–587	No	5	No	Died at 15 (4)
20	M	46	ACHF (2)	61 (0 d)	61–150	No	20	No	Resolved (0), 27

^aNumber of days from symptom onset to maximal symptom improvement.

On-line Table 2: Regions of involvement on FLAIR and DWI in patients with acute hepatic encephalopathy^a

No.	Sex	Age (yr)	Sx to Initial, F-U MRI	Thalami FL/DWI	PLIC FL/DWI	PVWM FL/DWI	CWM FL/DWI	Brain Stem FL/DWI	DCI FL/DWI	GP T1 Bright	IPH
1	F	49	3 days	+/+	+/+	+/+	-/-	+ / ±	-/-	-	-
			F-U 8 days	-/-	+/+	+/+	-/-	-/-	-/-	-	-
			F-U 183 days	-/-	+/-	+/-	-/-	-/-	-/-	-	-
2	F	55	4 days	-/-	+/+	+/+	-/-	-/-	±	-	
3	F	38	1 day	-/+	+/+	+/-	+/-	+ / ±	-/-	+	+
4	M	58 (0 d)	0 days	-/-	+/+	+/+	-/-	-/-	-/-	+	-
5	F	69	4 days	+/+	+/+	+/+	-/-	+/+	-/-	+	-
6	M	22	18 days	±/-	+/-	+/+	-/-	-/-	-/-	-	-
7	F	42	6 days	+/+	+/-	+/±	-/-	+/-	+/+	-	-
8	M	53	5 days	+/+	+/+	+/+	-/-	+/+	+/-	+	-
9	M	57	5 days	+/+	-/+	-/+	-/-	+/-	+/+	+	-
			F-U 16 days	+/-	-/+	-/±	-/-	+/-	+/+	+	-
10	M	45	11 days	+/+	-/+	+/±	+/-	+ ^b / ^b + ^b	-/-	±	-
11	F	35	2 days	±/+	-/+	-/+	-/-	±/-	-/-	-	-
12	M	34	10 days	+/+	+/+	-/-	-/-	-/-	+/+	-	+
			F-U 20 days	+/±	+/+	-/-	-/-	-/-	+/+	-	+
			F-U 93 days	-/-	-/-	-/-	-/-	-/-	-/-	-	+
13	F	44	2 days	+/+	+/+	+/+	-/-	+/+	-/-	+	-
14	F	10	2 days	+/+	-/-	-/-	-/-	+/+	-/-	-	-
			F-U 5 days	+/+	-/-	+/-	-/-	+/±	-/-	-	+
15	F	70	0 days	+/-	-/+	+/+	-/-	+/-	-/-	+	-
16	M	45	17 days	+/-	+/+	+/+	-/-	-/-	-/-	+	-
17	F	43	1 day	+/+	+/-	+/+	+/-	+/-	-/-	+	+
			F-U 81 days	+/-	+/+	+/+	-/-	+/-	-/-	+	+
18	M	63	6 days	+/+	+/+	+/+	-/-	+/-	+/+	-	-
19	M	45	5 days	+/-	+/+	+/+	-/-	-/-	+/+	+	-
20	M	46	20 days	+/+	+/+	+/+	-/-	-/-	-/-	+	-

^a + indicates involvement visualized; -, probable involvement; ±, probable improvement.

^b Both ventral and DBS involvement.