

On-line Table 1: Wernicke encephalopathy in the no alcohol abuse group										
Patient No.	Age (years)	Sex (M/F)	History	Symptoms	MR	Thal	Periaqued	Mam Bodies	Tectal Plate	Other
1	33	M	Prolonged voluntary starvation	CC	Yes+	Yes	Yes	Yes	Yes	No
2	21	F	Hyperemesis gravidarum	CC, OA	Yes+	Yes	Yes	Yes	Yes	Med
3	81	F	Gastric cancer treated by recent partial gastrectomy	CC	Yes+	Yes	No	No	No	No
4	56	F	Gastric cancer and associated chronic fever	CC	Yes+	Yes	Yes	Yes	No	No
5	26	F	Hyperemesis gravidarum	CC, OA	Yes	Yes	No	No	No	No
6	79	M	Gastric cancer treated by recent total gastrectomy	CC, OA, AT	Yes+	Yes	Yes	No	No	No
7	79	M	Distal intestinal tract cancer treated by recent surgery	CC, OA, AT	Yes+	Yes	Yes	No	No	No
8	60	F	Gastric cancer treated by recent total gastrectomy	CC, OA	Yes+	Yes	Yes	No	Yes	No
9	35	F	Anorexia nervosa, parenteral nutrition	CC, OA	Yes+	Yes	Yes	No	Yes	No
10	22	M	Leukemia, parenteral nutrition, prolonged fever	CC	Yes	Yes	No	No	Yes	No
11	60	F	Hyperemesis, in chemotherapy for leukemia	CC	Yes	Yes	Yes	Yes	No	Cer, med
12	26	M	Gastric cancer	CC, OA, AT	Yes	Yes	Yes	Yes	Yes	No
13	6	F	Prolonged food deprivation	OA, AT	Yes+	Yes	Yes	Yes	Yes**	No

Note:—** indicates positive contrast enhancement at MR; +, contrast media administration; Thal, medial thalami and periventricular region of the third ventricle; Periaqued, periaqueductal gray matter; Mam bodies, mamillary bodies; med, dorsal medulla; cer, cerebellum; CC, changes in consciousness; OA, ocular abnormalities; AT, ataxia.

On-line Table 2: Wernicke encephalopathy in the alcohol abuse group										
Patient No.	Age (years)	Sex (M/F)	Symptoms	MR	Thal	Periaqued	Mam Bodies	Tectal Plate	Other	
1	45	F	CC, OA	Yes+	No	No	No**	No	No	
2	46	M	CC, OA, AT	Yes	Yes	Yes	No	No	No	
3	51	M	CC, OA	Yes+	Yes**	No	Yes**	No	No	
4	31	F	OA, AT	Yes+	Yes	Yes	Yes**	No	No	
5	61	M	OA, AT	Yes+	Yes	No	Yes**	No	No	
6	57	M	CC	Yes	Yes	Yes	No	No	No	
7	53	F	CC, OA, AT	Yes	No	No	No	No	No	
8	58	F	CC, OA, AT	Yes	No	No	No	No	No	
9	53	F	CC, OA, AT	Yes+	No	No	Yes	No	No	
10	44	F	OA, AT	Yes	Yes	Yes	Yes	No	No	
11	28	M	CC, OA, AT	Yes+	Yes	Yes	Yes**	Yes**	No	
12	42	M	OA, AT	Yes+	Yes**	Yes**	Yes**	Yes**	No	
13	60	M	CC, OA, AT	Yes+	Yes**	Yes**	Yes	No	No	

Note:—** indicates positive contrast enhancement with MR; +, contrast media administration; Thal, medial thalami and periventricular region of the third ventricle; Periaqued, periaqueductal gray matter; Mam bodies, mamillary bodies; CC, changes in consciousness; OA, ocular abnormalities; AT, ataxia.

On-line Table 3: Topographic distribution of the lesions in Wernicke encephalopathy alcoholic and no alcohol abuse patients studied by MR						
Patient Group	Thal (%)	Periaqued (%)	Mam Bodies (%)	Tectal Plate (%)	Medulla (%)	Cerebellum (%)
AL	69	54	69	15	0	0
NA	100	77	46	54	15	8

Note:—AL indicates alcohol abuse group; NA, no alcohol abuse group; thal, medial thalami and periventricular region of the third ventricle; Periaqued, periaqueductal gray matter; Mam bodies, mamillary bodies.

On-line Table 4: Neurologic symptoms at clinical onset in the alcoholic and no alcohol abuse groups			
Patient Group	CC (%)	OA (%)	AT (%)
AL	69	92	77
NA	92	62	31

Note:—AL indicates alcohol abuse group; NA, no alcohol abuse group; CC, changes in consciousness; OA, ocular abnormalities; AT, ataxia.