



HAL
open science

The advantage of errorless learning for the acquisition of new concepts' labels in alcoholics.

Anne-Lise Pitel, Pierre Perruchet, François Vabret, Béatrice Desgranges,
Francis Eustache, Hélène Beaunieux

► To cite this version:

Anne-Lise Pitel, Pierre Perruchet, François Vabret, Béatrice Desgranges, Francis Eustache, et al.. The advantage of errorless learning for the acquisition of new concepts' labels in alcoholics.: Errorless learning in alcoholics. *Psychological Medicine*, Cambridge University Press (CUP), 2010, 40 (3), pp.497-502. 10.1017/S0033291709990626 . inserm-00538485

HAL Id: inserm-00538485

<https://www.hal.inserm.fr/inserm-00538485>

Submitted on 22 Nov 2010

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

Table 1: Demographical variables, drinking history, pre-learning assessment and explicit and implicit memory results in the four groups

	Trial-and-error learning		Errorless learning	
	Control subjects	Alcoholic patients	Control subjects	Alcoholic patients
Demographical variables				
Size of the sample	19	19	15	15
Age	49.15 (4.83)	46.68 (5.34)	48.68 (3.76)	48.36 (5.29)
Years of education	11.58 (2.29)	10.11 (2.92)	11.00 (1.41)	10.67 (2.06)
Drinking history				
Alcohol use (year)	n/a	28.41 (8.16)	n/a	33.07 (7.07)
Alcohol misuse (year)	n/a	21.73 (8.81)	n/a	16.43 (8.84)
Alcohol consumption per day (standard drink)	n/a	18.23 (9.09)	n/a	22.97 14.32)
Pre-learning assessment				
Naming score (Max= 10)	0 (0)	0 (0)	0.20 (0.41)	0 (0)
Explicit memory task				
Sum of the three free recalls* (Max= 48)	31.37 (4.50)	26.74 (7.36)	31.73 (4.58)	29.00 (4.39)
Implicit memory task				
Reaction times difference (ms)	n/a	n/a	33.78 (41.74)	20.90 (26.09)

Mean (SD); n/a: not applicable; *: significant difference between the control groups and the alcoholic ones