

Fig. 1. Comparison of mean values of state anxiety between high trait anxiety group and low trait anxiety group during 40 hour sleep deprivation. TA: trait anxiety

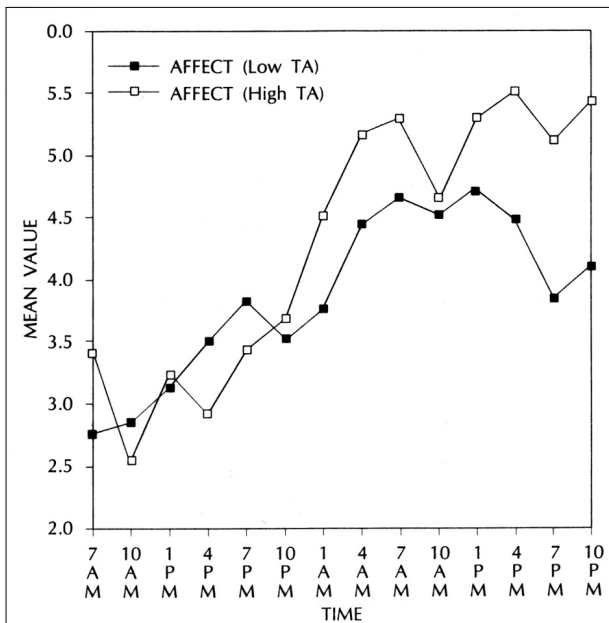


Fig. 2. Comparison of mean values of affect between high trait anxiety group and low trait anxiety group during 40 hour sleep deprivation. TA: trait anxiety

($F = 3.202, p < .001$) (2).

t - test

가 , (2).

3. 수면박탈에 의한 졸리움의 변화

가 ($p < .001$) (1).

가

($F = .231, p > .05$),

($F = .806, p > .05$) (3).

4. 수면박탈에 의한 피로도의 변화

가

($p < .001$) (1).

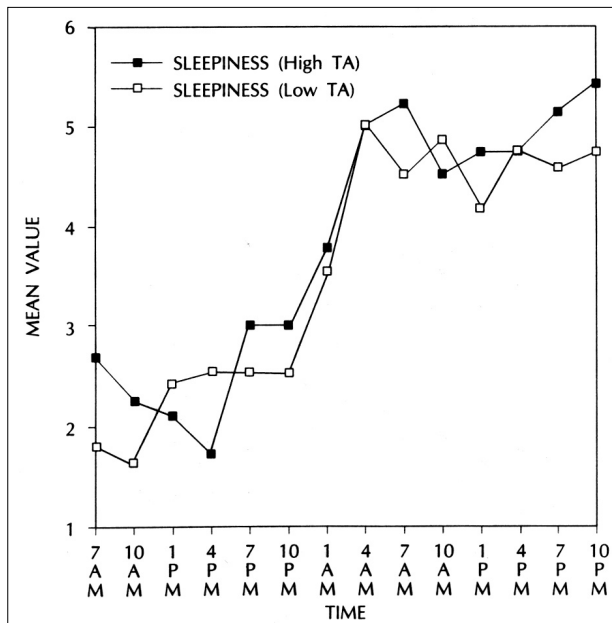


Fig. 3. Comparison of mean values of sleepiness between high trait anxiety group and low trait anxiety group during 40 hour sleep deprivation. TA: trait anxiety

Table 2. The difference of IGA scores between low TA and high TA during sleep deprivation

IGA	Session Time	1	2	3	4	5	6	7	8	9	10	11	12	13	14
		7AM	10AM	1PM	4PM	7PM	10PM	1AM	4AM	7AM	10AM	1PM	4PM	7PM	10PM
Low TA		2.77 (1.41)	2.83 (1.40)	3.16 (1.58)	3.47 (.86)	3.80 (1.28)	3.52 (.84)	3.75 (1.02)	4.44 (1.37)	4.66 (1.07)	4.45 (1.09)	4.71 (1.34)	4.45 (1.35)	3.82 (1.24)	4.14* (1.08)
High TA		3.34 (1.04)	2.53 (.97)	3.23 (1.09)	2.94 (1.13)	3.39 (1.06)	3.67 (1.04)	4.50 (.87)	5.13 (.69)	5.27 (1.01)	4.63 (1.00)	5.23 (1.11)	5.50 (.91)	5.14* (.71)	5.41* (.82)

*: significantly ($p < .05$) different between low TA and high TA in t-test
IGA: Index of General Affect TA: Trait Anxiety

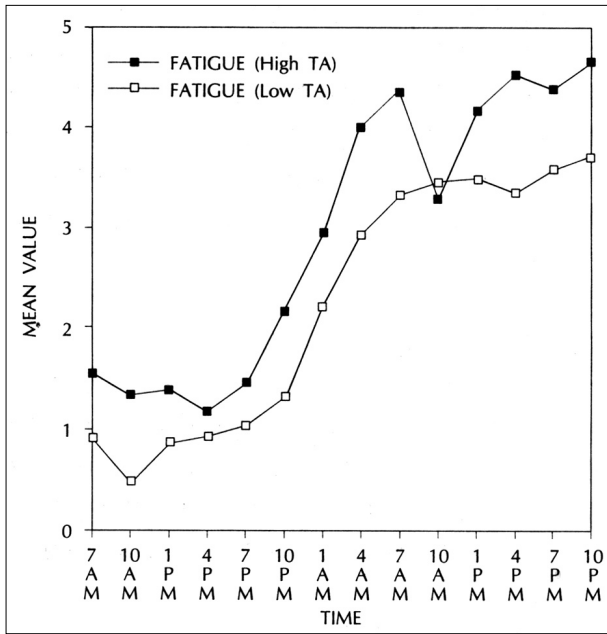


Fig. 4. Comparison of mean values of fatigue between high trait anxiety group and low trait anxiety group during 40 hour sleep deprivation. TA: trait anxiety

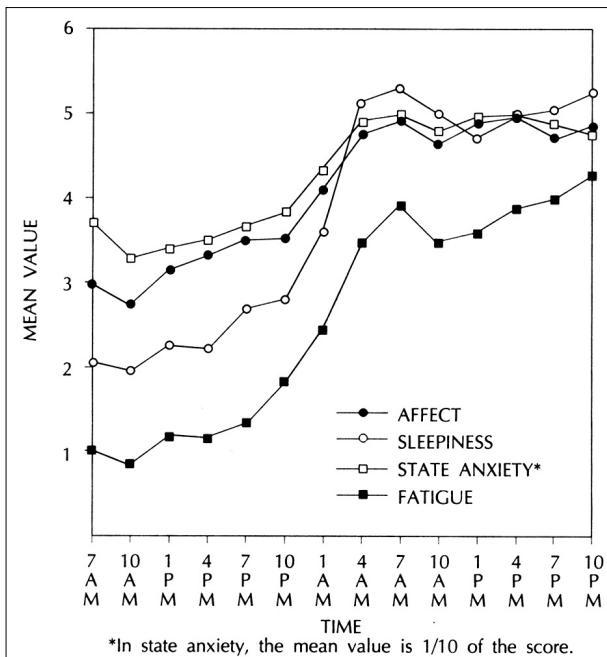


Fig. 5. Variations of mean values of affect, sleepiness, state anxiety and fatigue during 40 hour sleep deprivation.

(F = .686, p>.05),

(F = .445, p>.05)(4).

5. 수면박탈에 시간에 따른 변화 추이

13 가 , 7 가 (1). , 19 가 (1). , 가 2 4 (5). 고 찰 가 , 가 POMS(the Profile of Mood State questionnaire : POMS) , POMS (tension) 가 가 가 가 가 Hill (19) (26 ~30) POMS 가가 POMS , Bartle (25) 42 POMS Brendel (4) Cultler Cohen(26) 가

Johnson(15) 1 19

Reynold (3) 4

가 7

Hill (19) (5).

가 , 가

(internal locus of control) 가 가

가 가

(external locus of control) 가 가

Hill (19)

가 가

(27), 가 가

가 가 가

가가 , 가

가 가

요 약

가 가 목 적 : 40

가 ,

가

방 법 : 29 (: =22 : 7,

(2). =24.59 ± 1.35)

10

40 -

3

가 , 가

부 록

부록 1. 일반기분척도

	1	7	가	가	.
1.	.		1 2 3 4 5 6 7		.
2.	.		1 2 3 4 5 6 7		.
3.	.		1 2 3 4 5 6 7	가	.
4.	.		1 2 3 4 5 6 7		.
5.	.		1 2 3 4 5 6 7		.
6.	.		1 2 3 4 5 6 7		.
7.	.		1 2 3 4 5 6 7		.
8.	.		1 2 3 4 5 6 7	가	.

부 록 2. 피로도 설문

		(0 10
1.	x).	?
2.		?
3.	가 ?	
4.	, 가 ?	
5.	가 gas가 ?	
6.	, ?	
7.		?
8.	가 ?	
9.	, , ?	
10.	가 ?	