FIG. 1

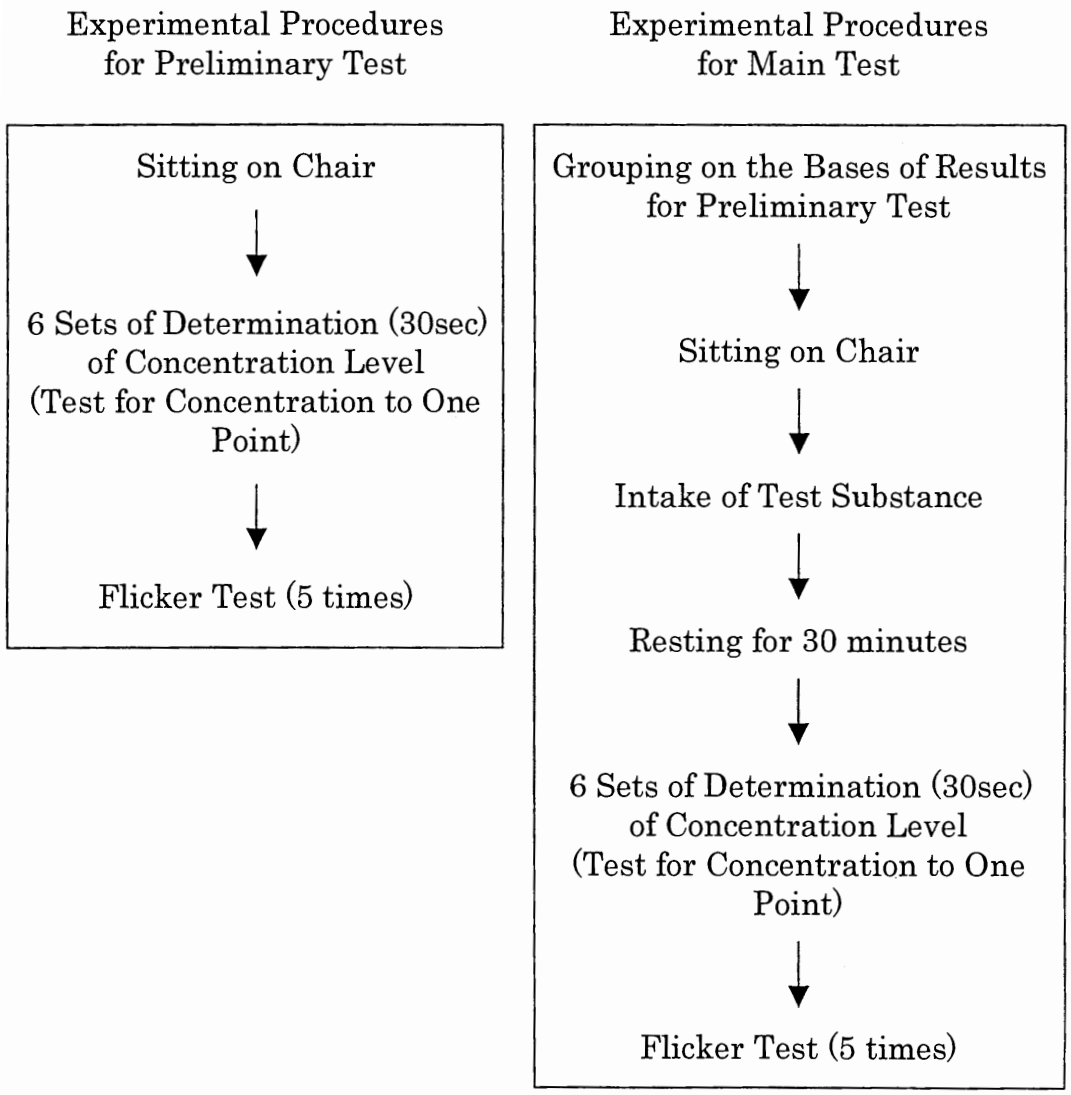

Experimental Procedures for Preliminary Test
Sitting on Chair
6 Sets of Determination (30sec) of Concentration Level (Test for Concentration to One Point)
Flicker Test (5 times)
Experimental Procedures for Main Test
Grouping on the Bases of Results for Preliminary Test
Sitting on Chair
Intake of Test Substance
Resting for 30 minutes
6 Sets of Determination (30sec) of Concentration Level (Test for Concentration to One Point)
Flicker Test (5 times)

FIG. 2

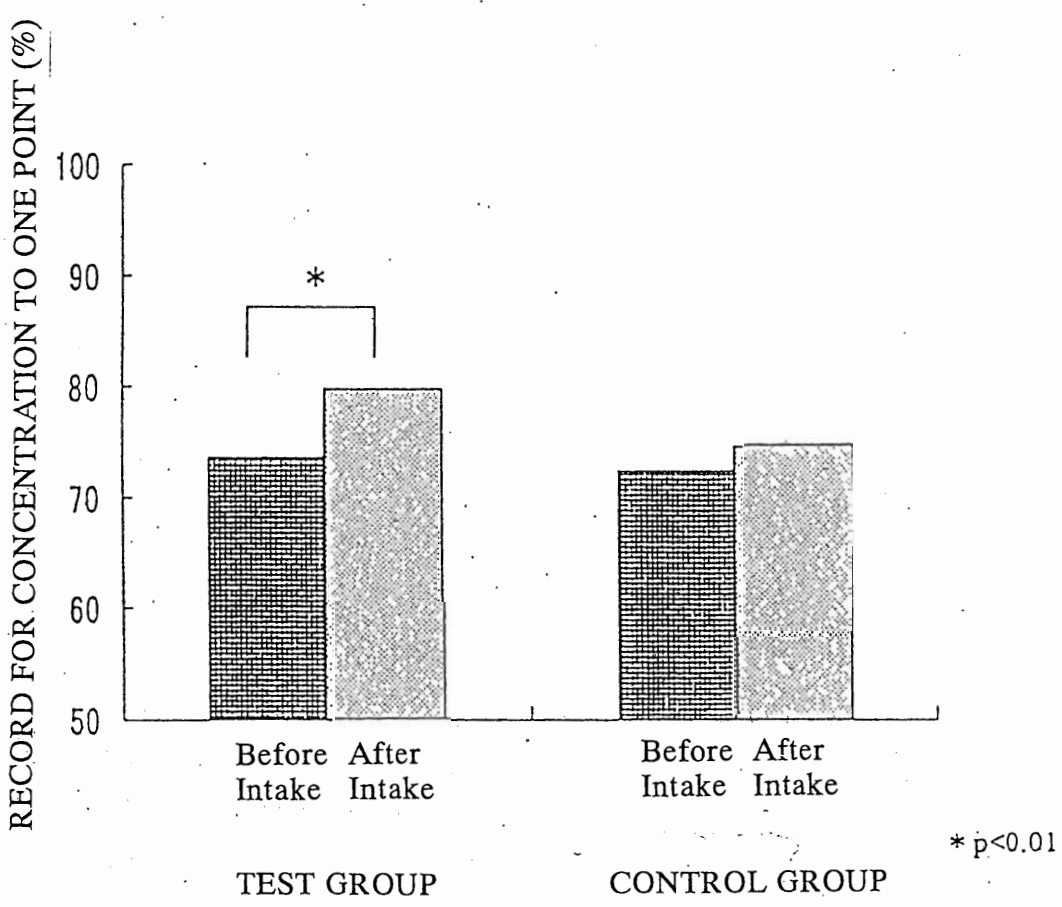

RECORD FOR CONCENTRATION TO ONE POINT (%)
100
90
80
70
60
50
*
Before Intake
After Intake
Before Intake
After Intake
TEST GROUP
CONTROL GROUP
* p<0.01

FIG.3

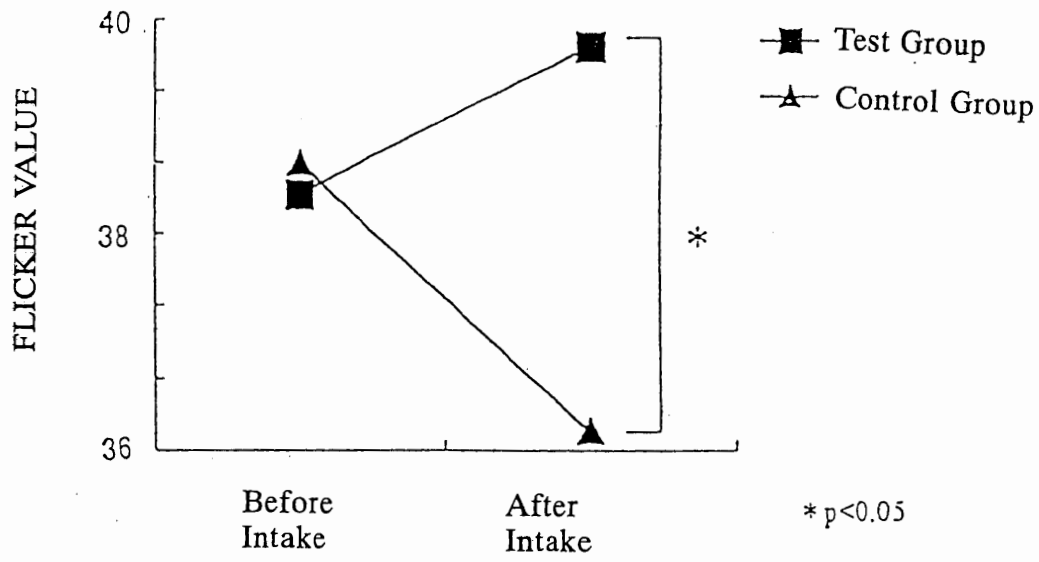
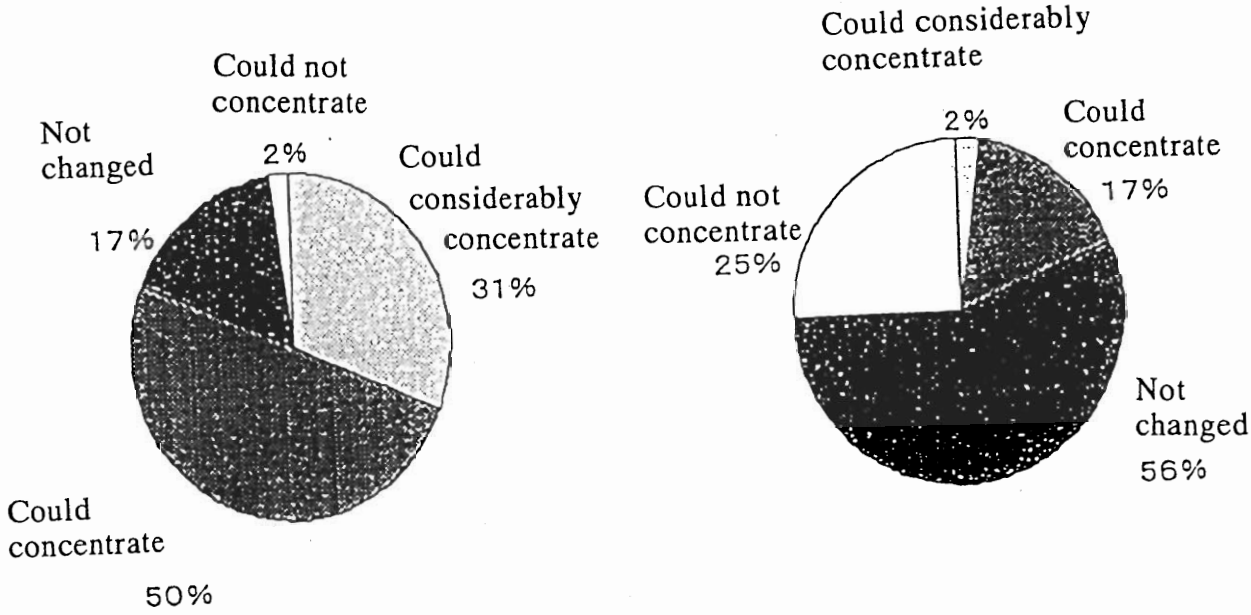

40
38
36
FLICKER VALUE
Before Intake
After Intake
*
Test Group
Control Group
* p<0.05

FIG.4

EXTENT OF CONCENTRATION

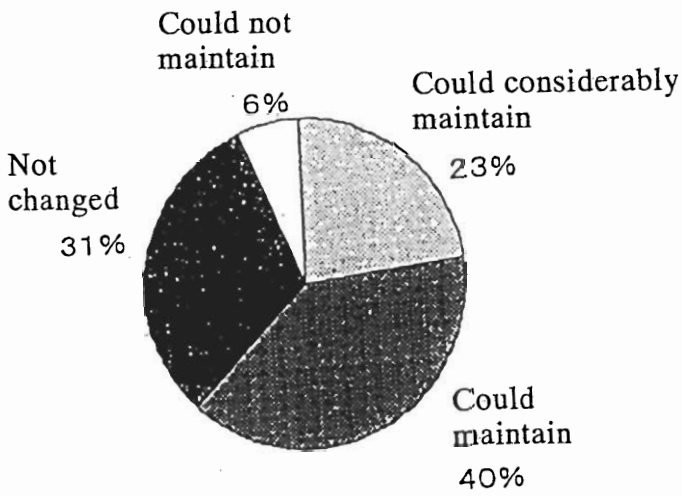


THEANINE-FORMULATED CANDY

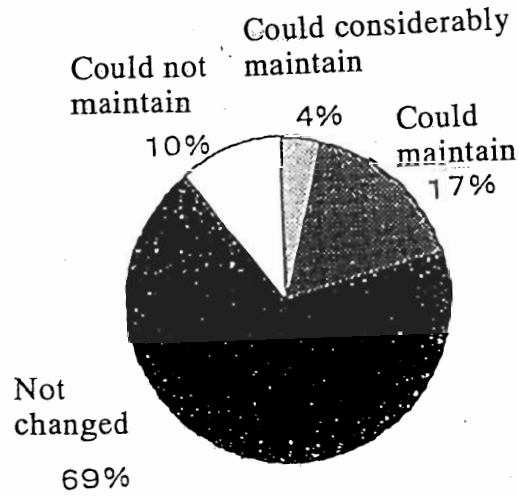
CONTROL CANDY

FIG.5

EXTENT OF CONCENTRATION



THEANINE-FORMULATED CANDY



CONTROL CANDY

FIG.6

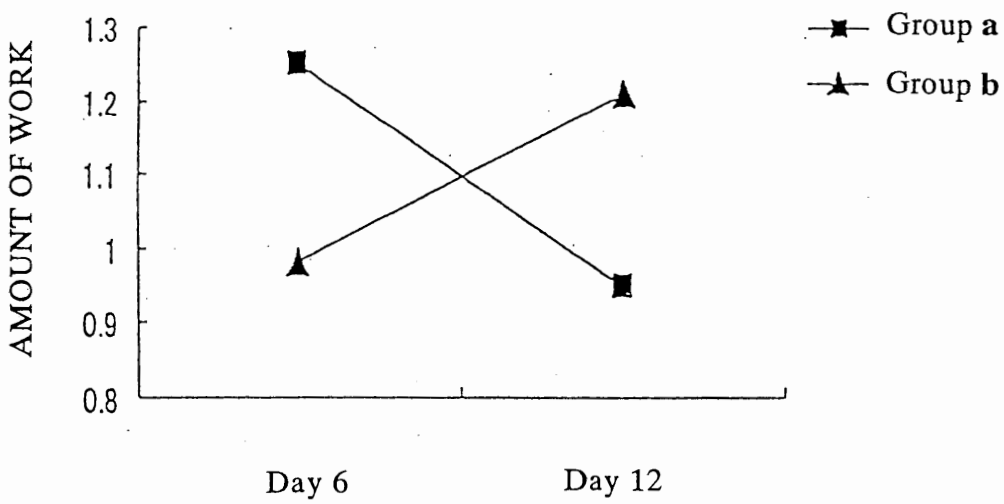


FIG.7

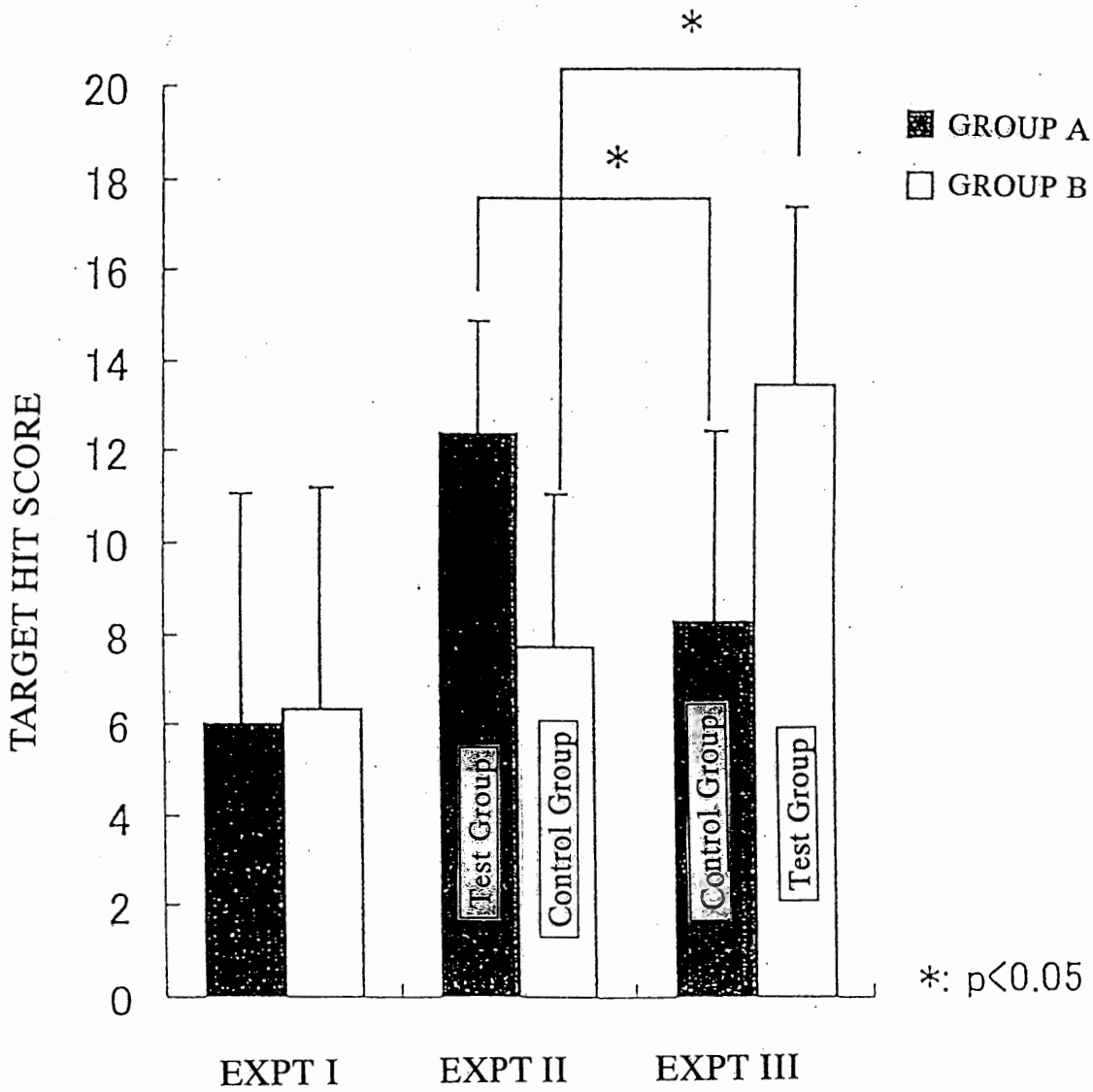

*
*
20
18
16
14
12
10
8
6
4
2
0
TARGET HIT SCORE
GROUP A
GROUP B
Test Group
Control Group
Control Group
Test Group
*: p<0.05
EXPT I
EXPT II
EXPT III

FIG. 8

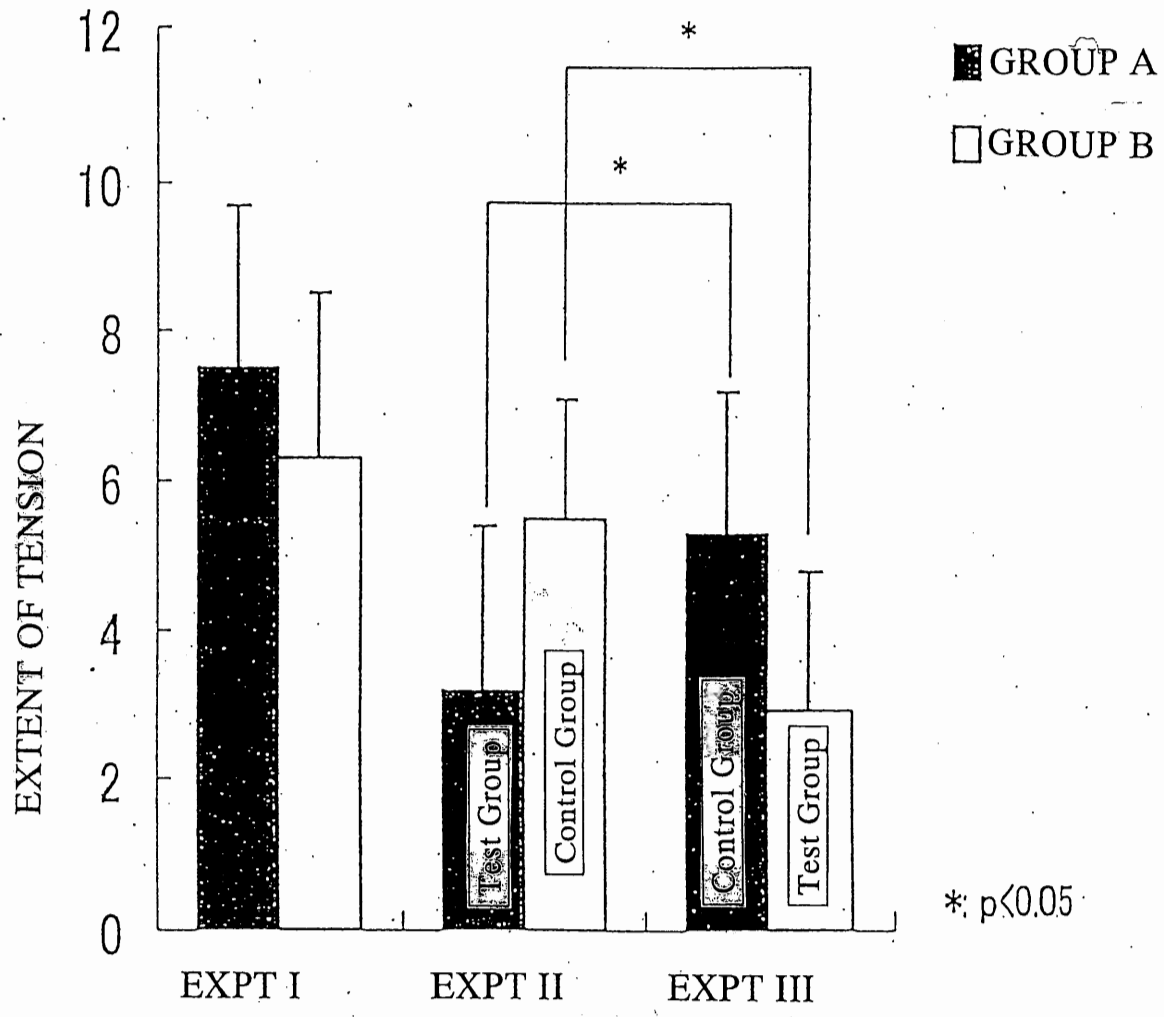

12
10
8
6
4
2
0
EXTENT OF TENSION
*
*
GROUP A
GROUP B
Test Group
Control Group
Control Group
Test Group
*: p<0.05
EXPT I
EXPT II
EXPT III

FIG.9

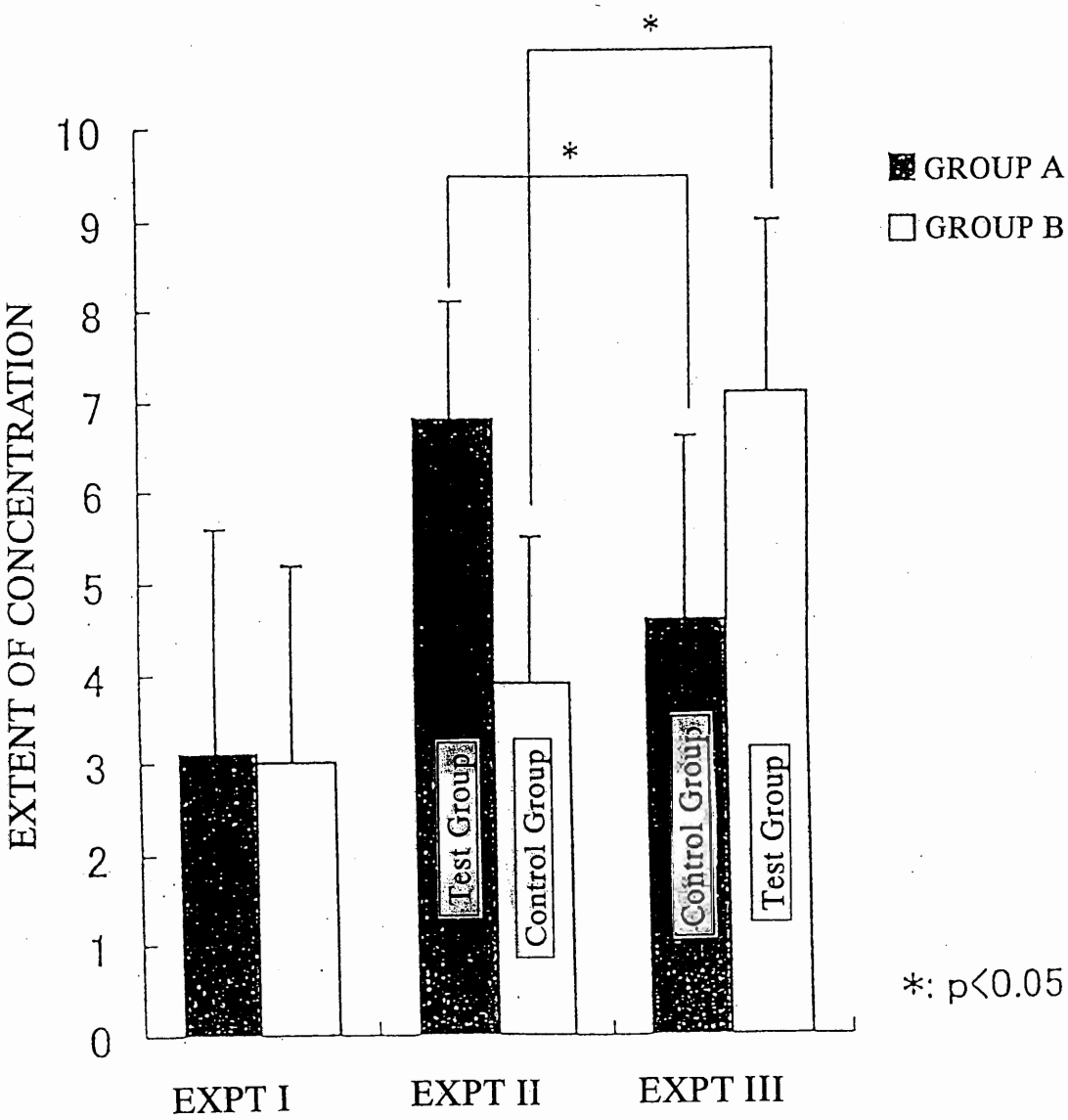

EXTENT OF CONCENTRATION
10
9
8
7
6
5
4
3
2
1
0
*
*
GROUP A
GROUP B
Test Group
Control Group
Control Group
Test Group
EXPT I
EXPT II
EXPT III
*: p<0.05

FIG.10

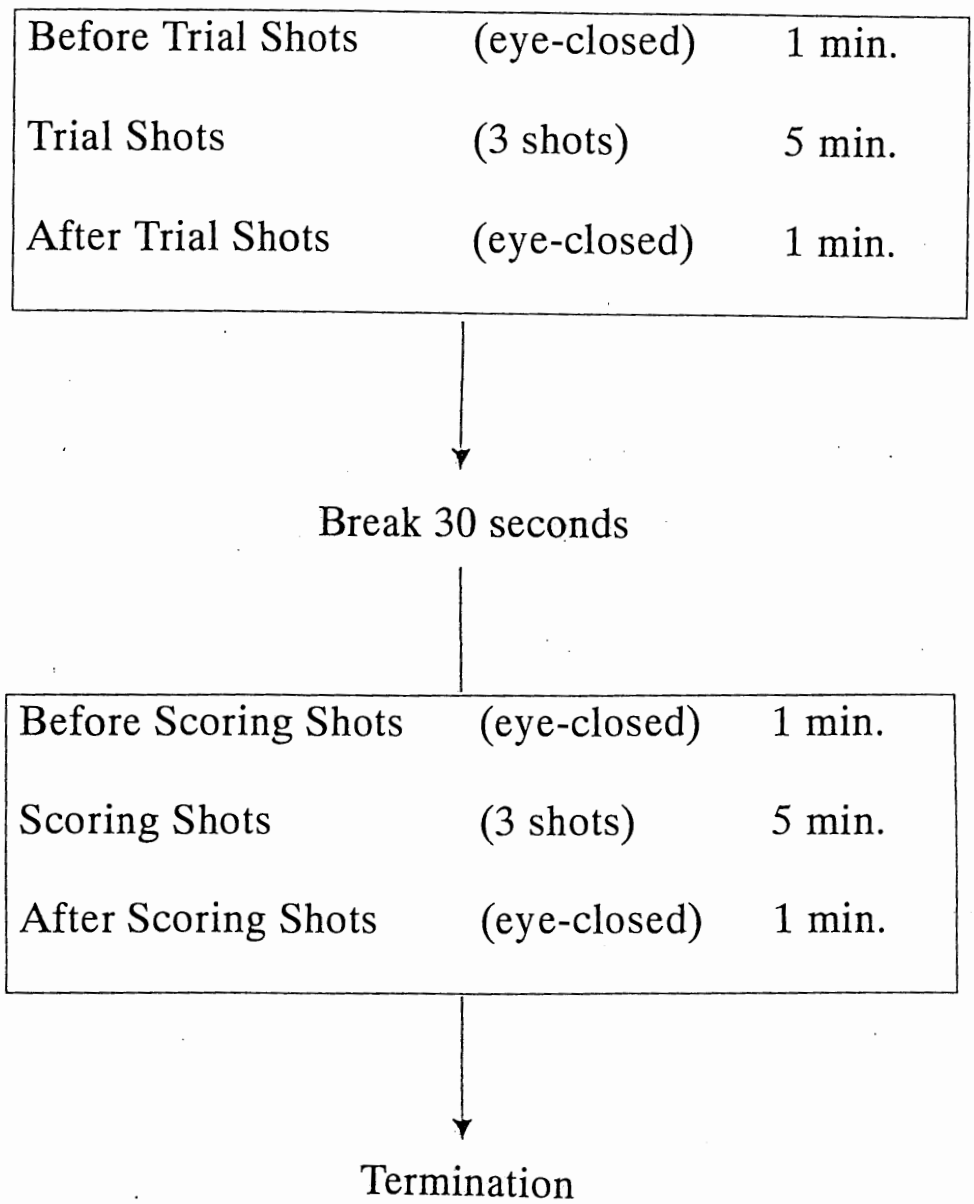

Before Trial Shots (eye-closed) 1 min.
Trial Shots (3 shots) 5 min.
After Trial Shots (eye-closed) 1 min.
Break 30 seconds
Before Scoring Shots (eye-closed) 1 min.
Scoring Shots (3 shots) 5 min.
After Scoring Shots (eye-closed) 1 min.
Termination

FIG.11

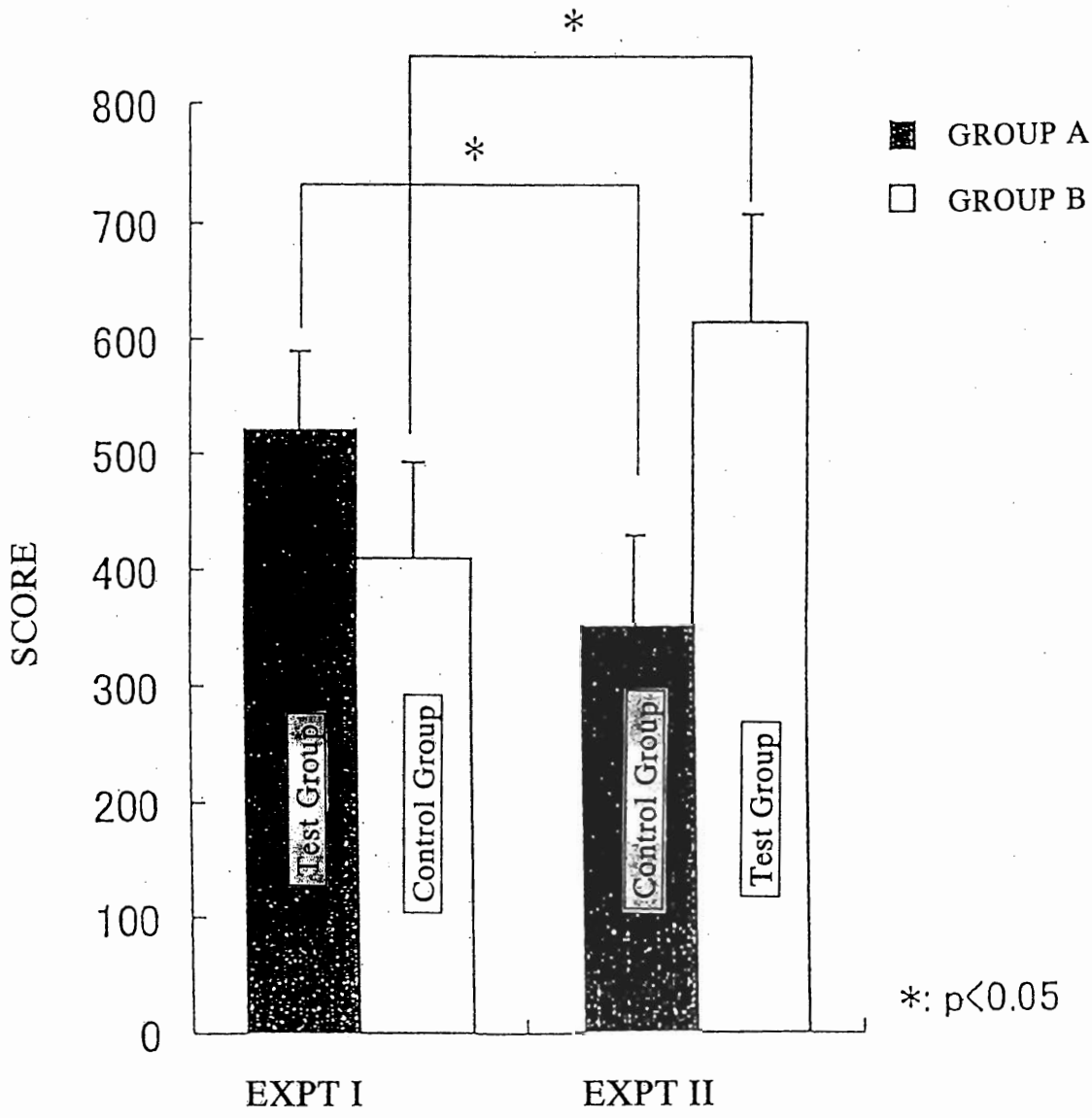

*
*
800
700
600
500
400
300
200
100
0
SCORE
GROUP A
GROUP B
Test Group
Control Group
Control Group
Test Group
*: p<0.05
EXPT I
EXPT II

FIG. 12

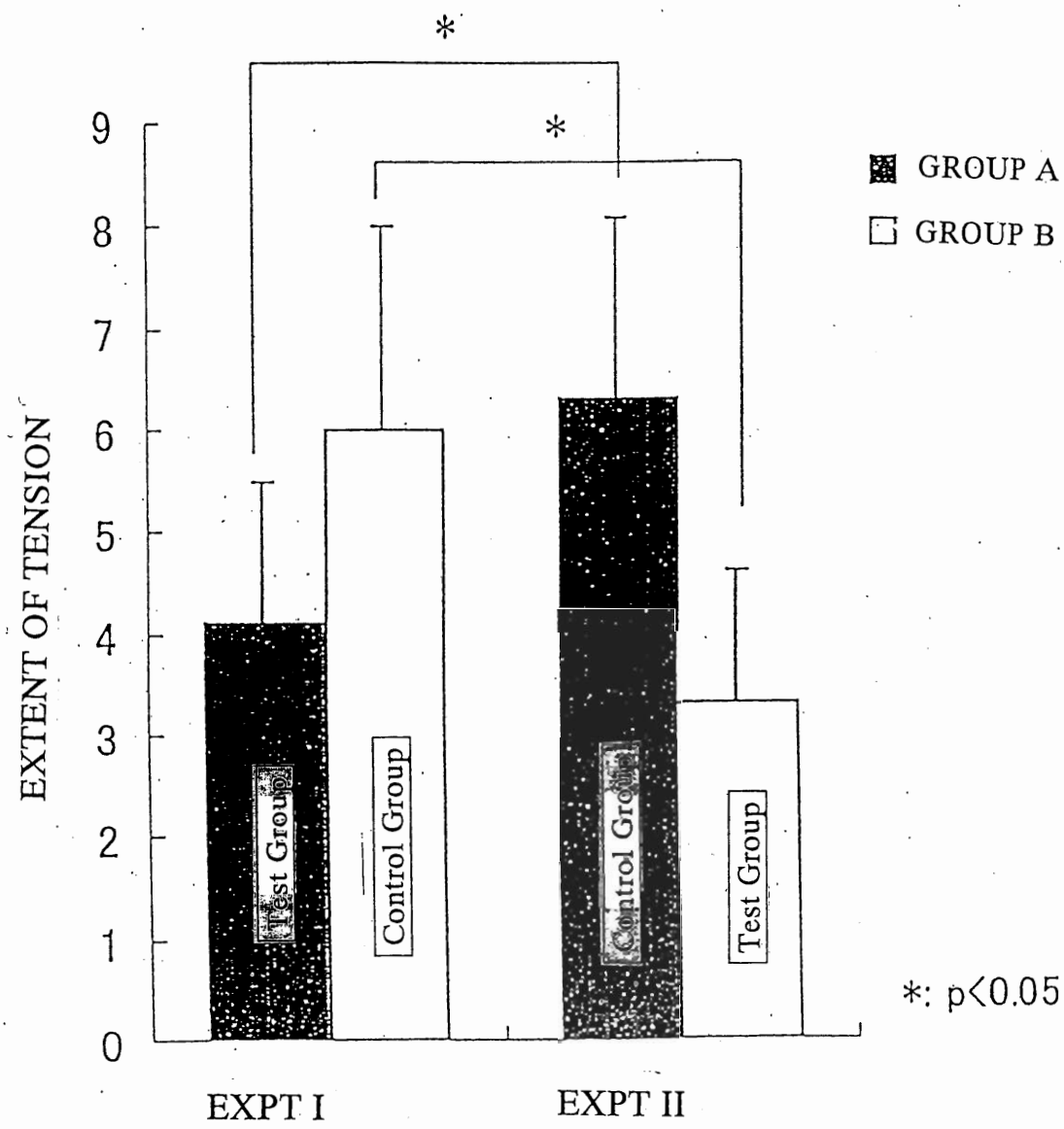

*
*
9
8
7
6
5
4
3
2
1
0
EXTENT OF TENSION
Test Group
Control Group
Control Group
Test Group
GROUP A
GROUP B
*: p<0.05
EXPT I
EXPT II

FIG.13

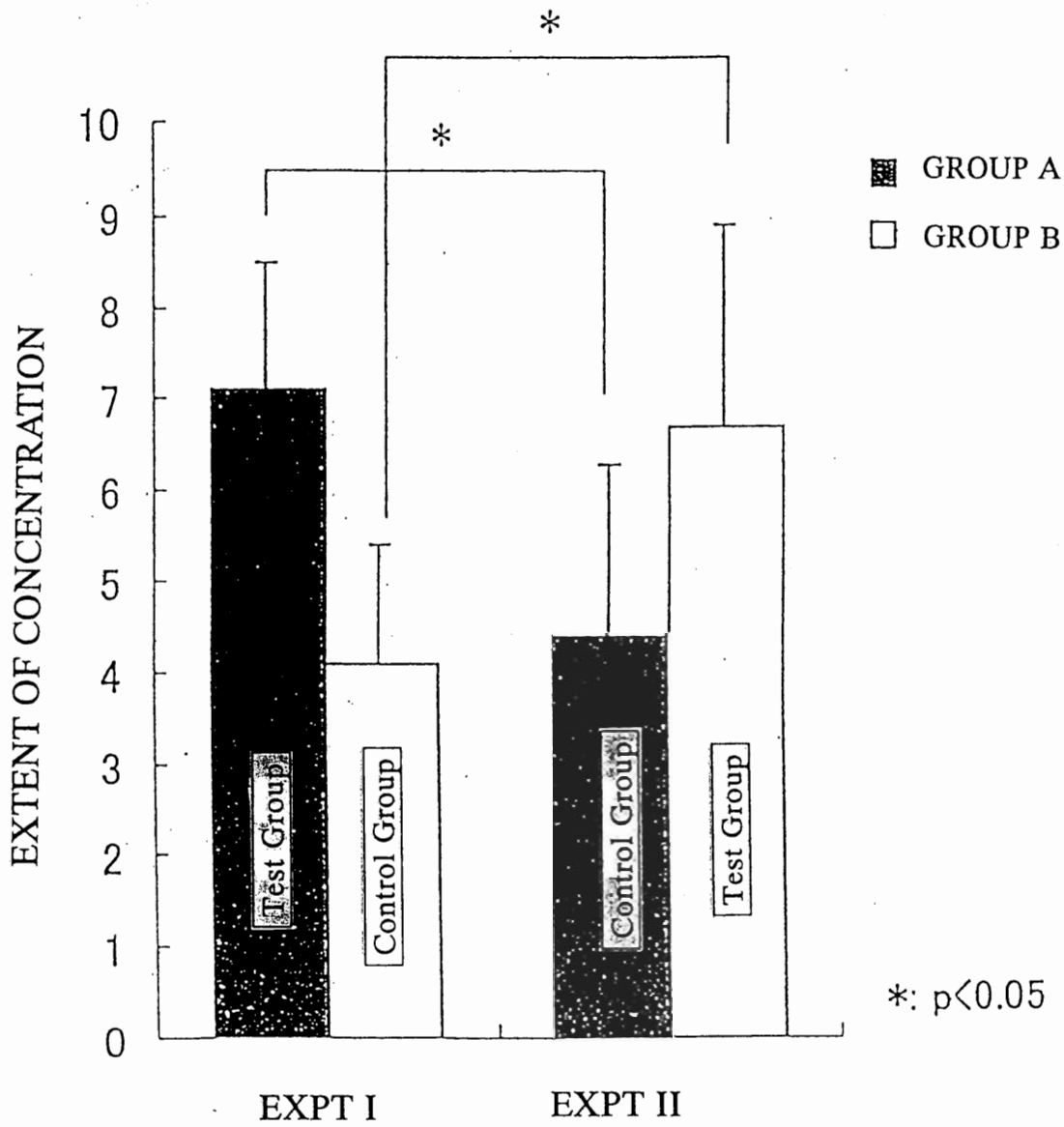

*
*
10
9
8
7
6
5
4
3
2
1
0
EXTENT OF CONCENTRATION
Test Group
Control Group
Control Group
Test Group
EXPT I
EXPT II
GROUP A
GROUP B
*: p<0.05

FIG.14

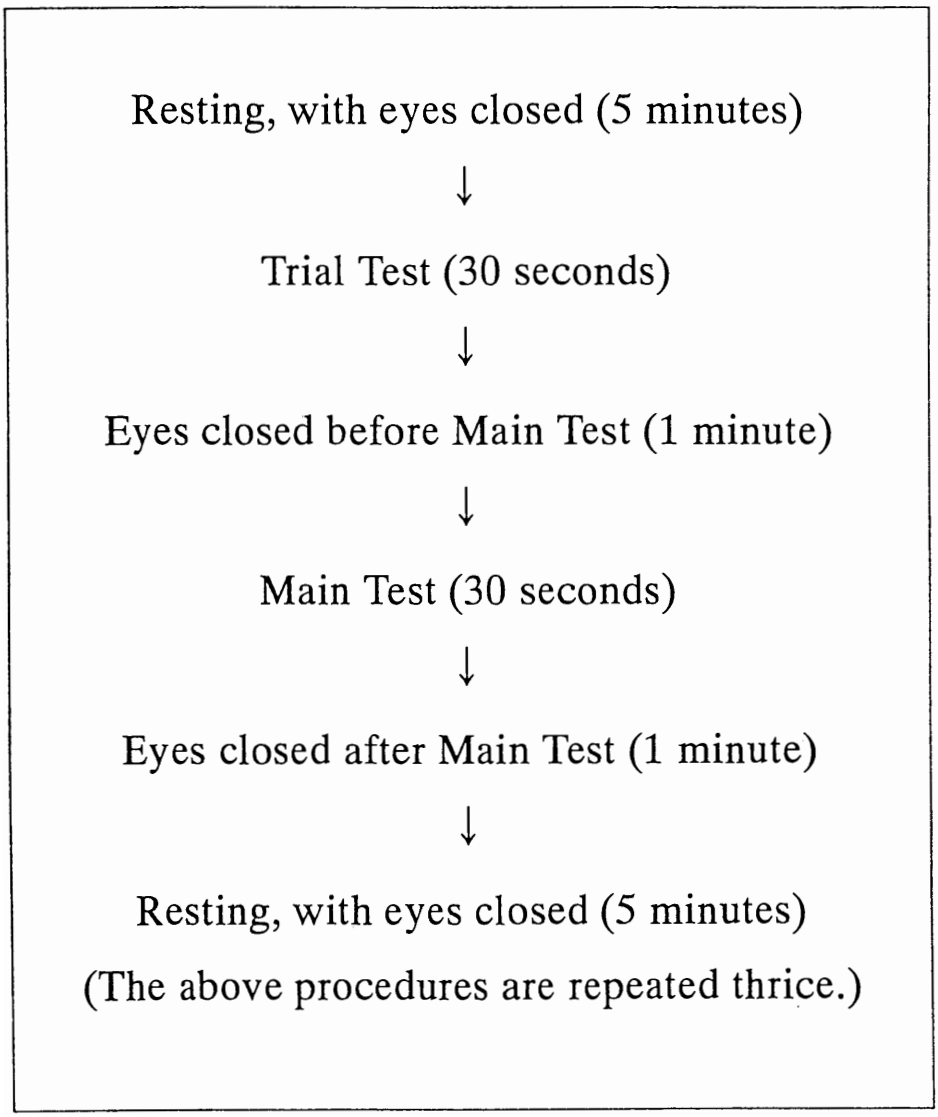

Resting, with eyes closed (5 minutes)
↓
Trial Test (30 seconds)
↓
Eyes closed before Main Test (1 minute)
↓
Main Test (30 seconds)
↓
Eyes closed after Main Test (1 minute)
↓
Resting, with eyes closed (5 minutes)
(The above procedures are repeated thrice.)

FIG. 15

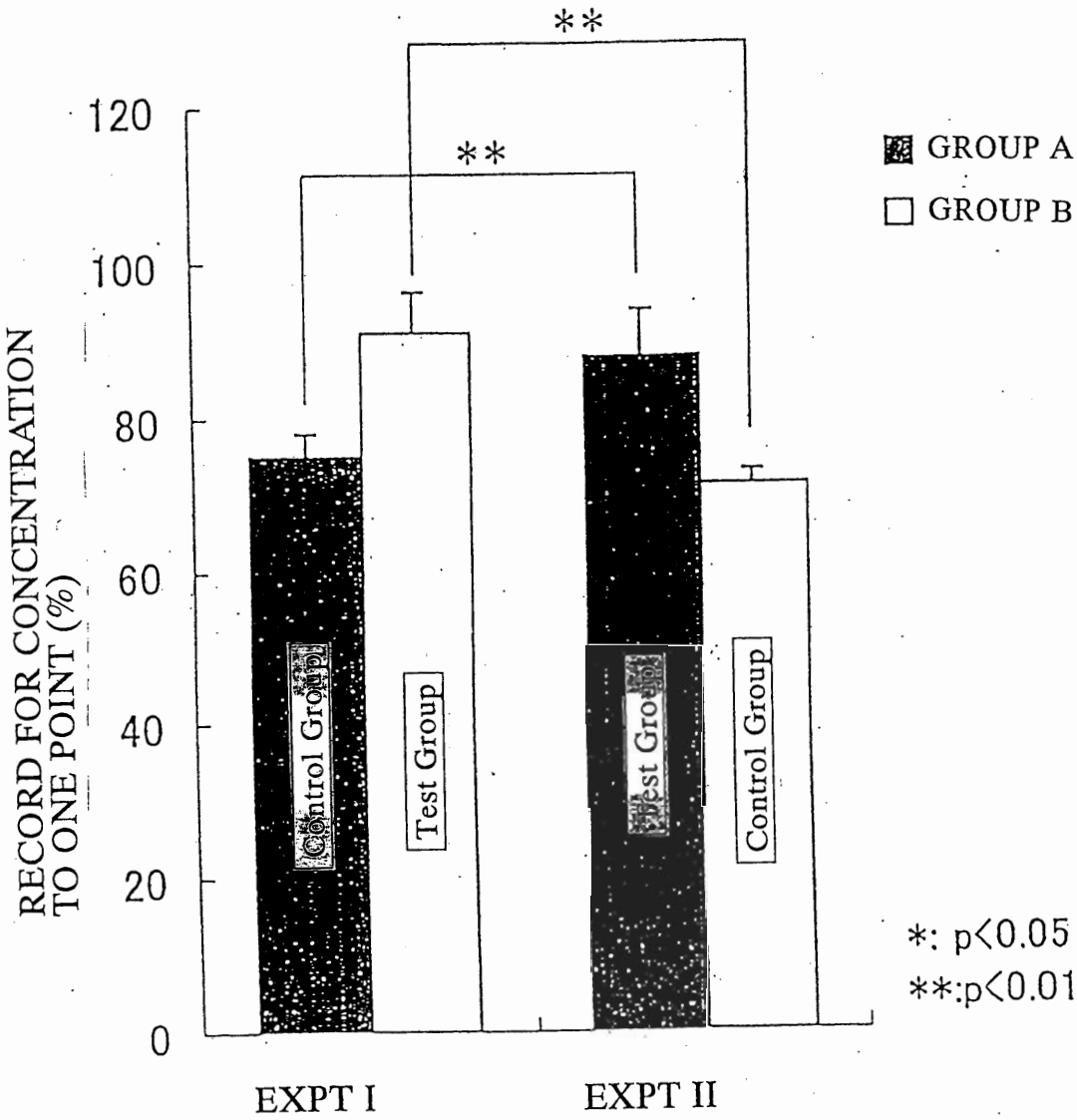

**
**
120
100
80
60
40
20
0
RECORD FOR CONCENTRATION TO ONE POINT (%)
GROUP A
GROUP B
Control Group
Test Group
Test Group
Control Group
EXPT I
EXPT II
*: p<0.05
**:p<0.01

FIG.16

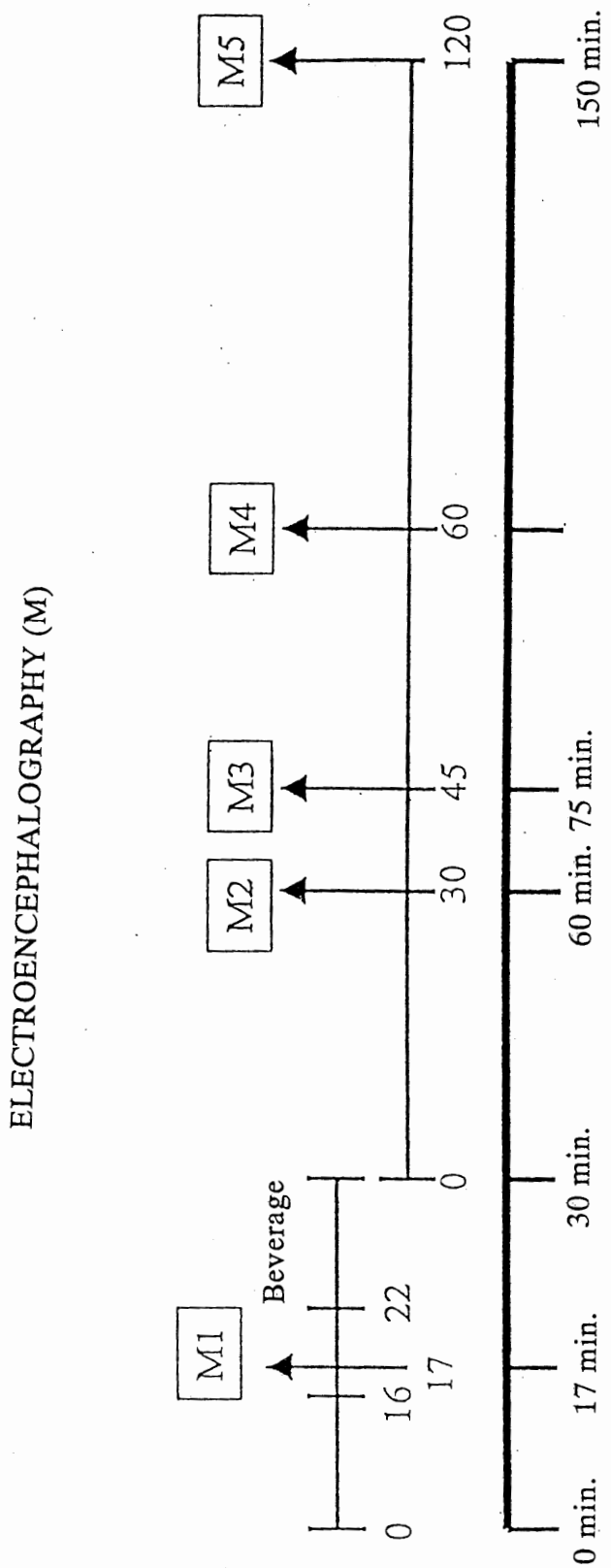

ELECTROENCEPHALOGRAPHY (M)
M1
M2
M3
M4
M5
Beverage
0
16
17
22
0
30
45
60
120
0 min.
17 min.
30 min.
60 min.
75 min.
150 min.

FIG.17

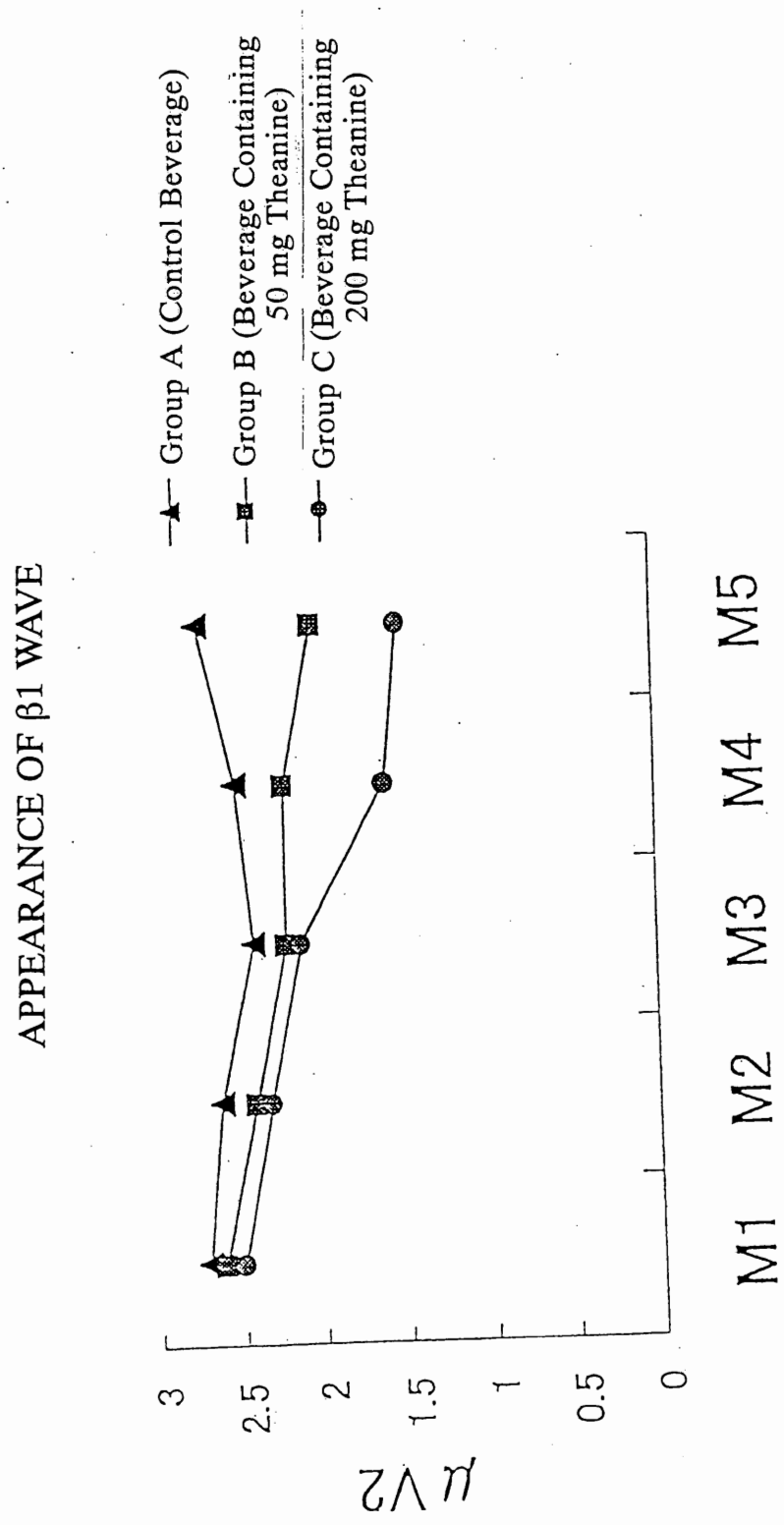
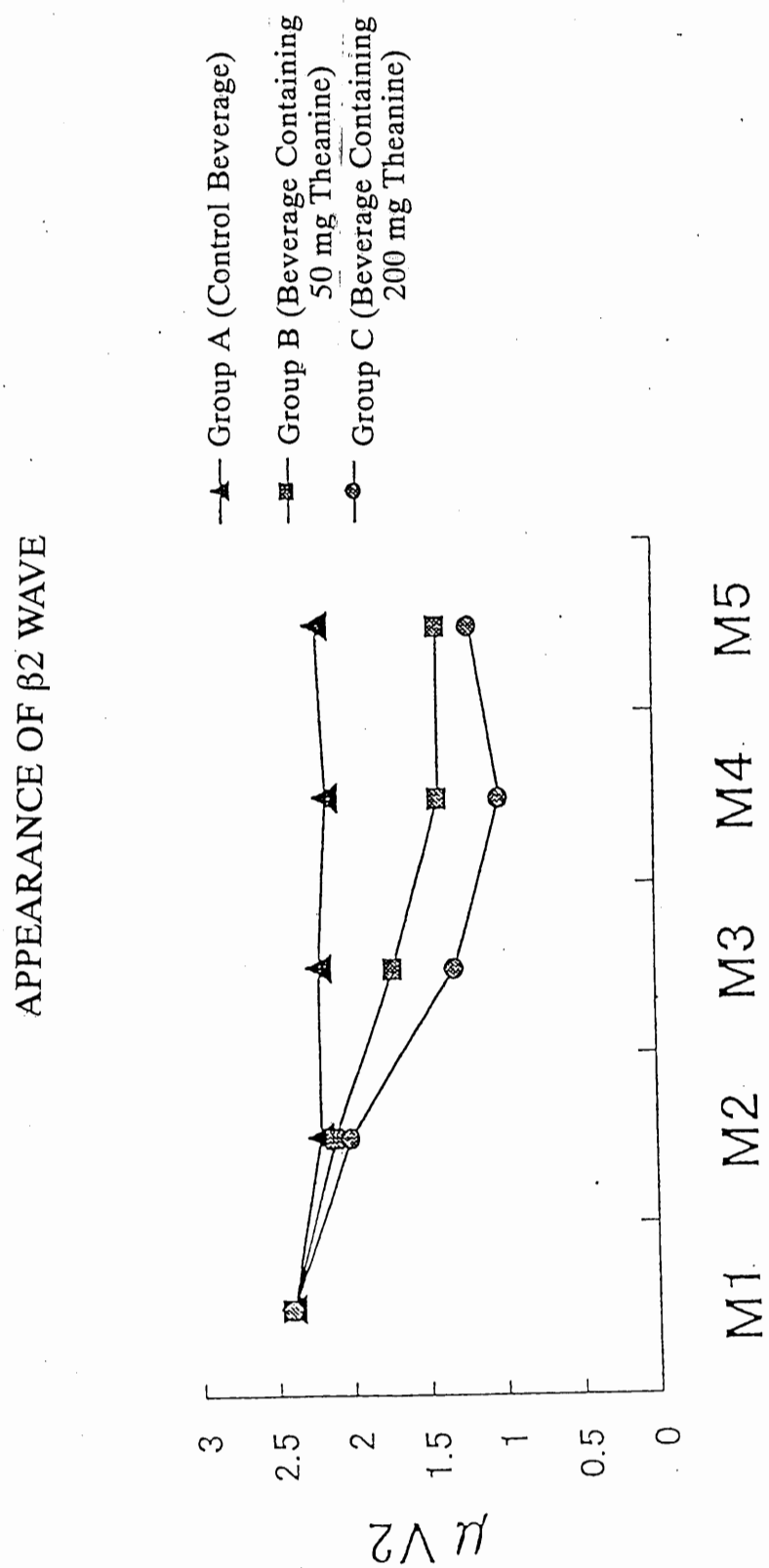

APPEARANCE OF β1 WAVE
Group A (Control Beverage)
Group B (Beverage Containing 50 mg Theanine)
Group C (Beverage Containing 200 mg Theanine)
μV2
3
2.5
2
1.5
1
0.5
0
M1
M2
M3
M4
M5

FIG.18


APPEARANCE OF β2 WAVE
Group A (Control Beverage)
Group B (Beverage Containing 50 mg Theanine)
Group C (Beverage Containing 200 mg Theanine)
μV2
3
2.5
2
1.5
1
0.5
0
M1
M2
M3
M4
M5