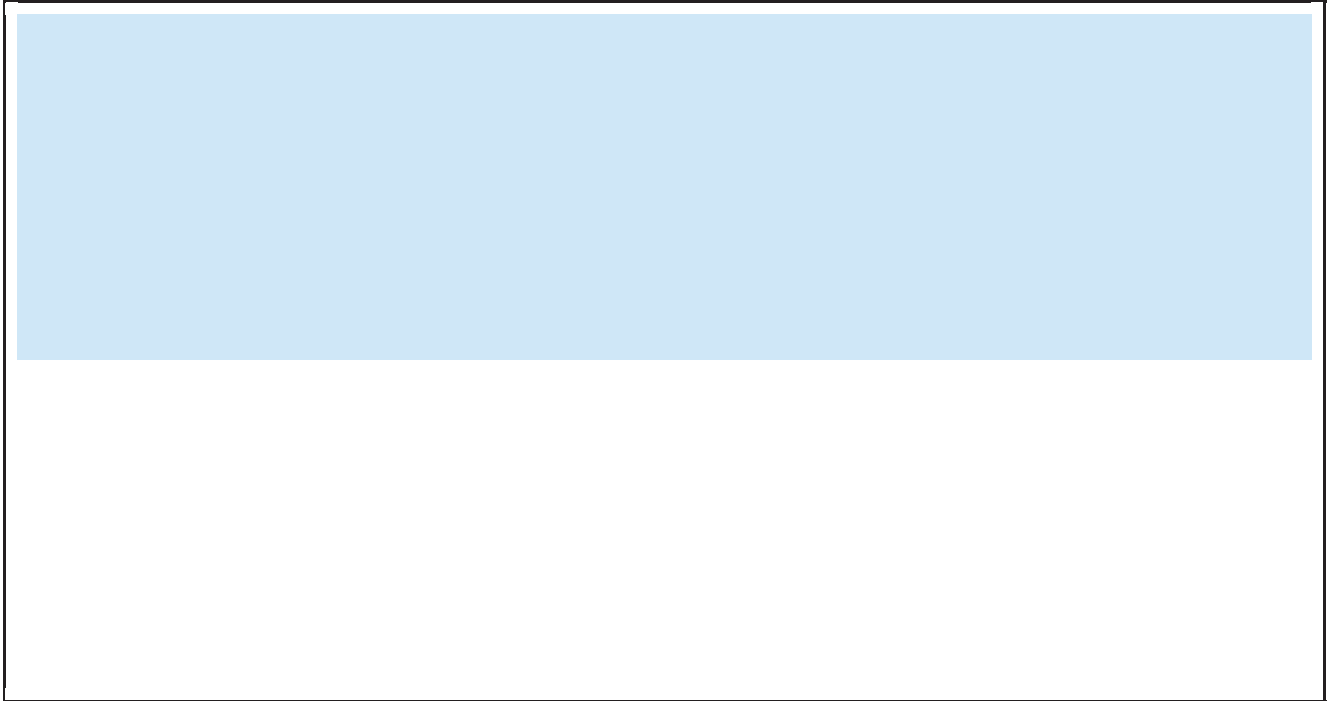


Gender Difference of Unconscious Attentional Bias in High Trait Anxiety Individuals

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17. A
18. A
19. J
B
800
20,21. MCI
22. 11,26,27
23 25
28
H

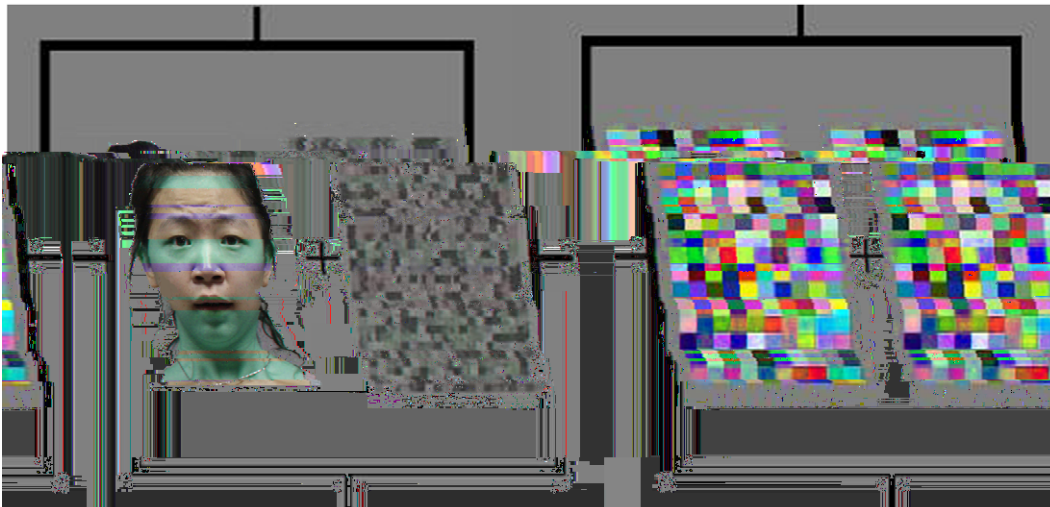


Figure 1. A sample stimulus in the invisible condition. The left image was presented to the non-dominant eye and the right image was presented to the dominant eye.
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... (F(1, 2) = 256, p < 0.001). ... (F(1, 44) = 64, p = 0.001). ... (F(1, 44) = 50, p = 0.001).

Design. F(1, 44) = 3.75, p = 0.059, ... (F(1, 44) = 6.59, p = 0.014), ... (F(1, 44) = 4.77, p = 0.034).

... (2006) 19. ... (2006) 19. ... (2006) 19.

Results
Visible condition. A ... (F(1, 44) = 3.75, p = 0.059), ... (F(1, 44) = 6.59, p = 0.014), ... (F(1, 44) = 4.77, p = 0.034).

... (F(1, 44) = 3.75, p = 0.059), ... (F(1, 44) = 6.59, p = 0.014), ... (F(1, 44) = 4.77, p = 0.034).

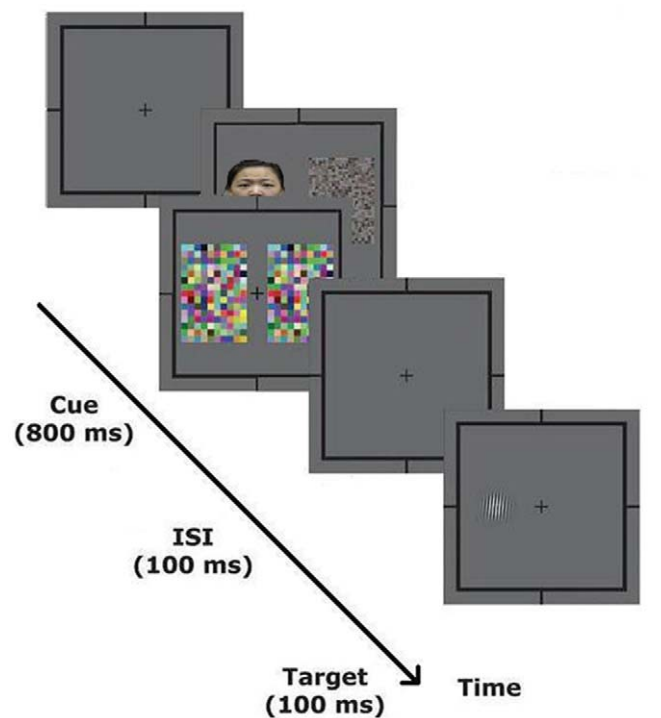


Figure 2. A schematic description of the experimental procedure in the invisible condition.
doi:10.1371/journal.pone.0020305.g002

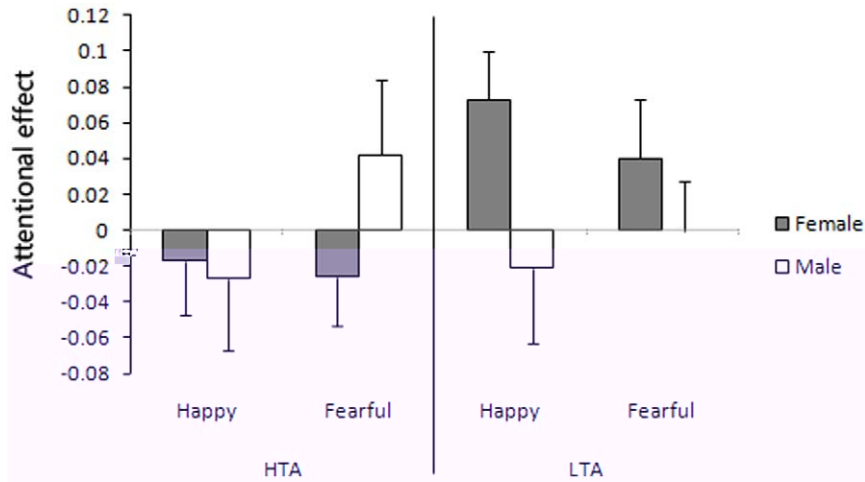


Figure 3. Attention bias and avoidance by happy and fearful faces in the visible condition. The results indicated no significant main effect or interaction. Error bars denote 1 SEM calculated across subjects. doi:10.1371/journal.pone.0020305.g003

L A... (F(1, 22) = 5.35, p = 0.031), L A... (F(1, 22) = 1.89, p = 0.183). I... (F(1, 22) = 4.11, p = 0.055). A... (F(1, 22) = 2.66, p = 0.022). I... (F(1, 22) = 2.01, p = 0.069).

), H... (F(1, 22) = 1.89, p = 0.183). I... (F(1, 22) = 4.11, p = 0.055). A... (F(1, 22) = 2.66, p = 0.022). I... (F(1, 22) = 2.01, p = 0.069).

Methods

Participant.

1200... 18 H A... 18 H A... 19 26... AI- AI... 2.

Stimuli and Procedure.

C... A... (CA) 34... E... 1.

Experiment 2

I E... 1, H A... (12

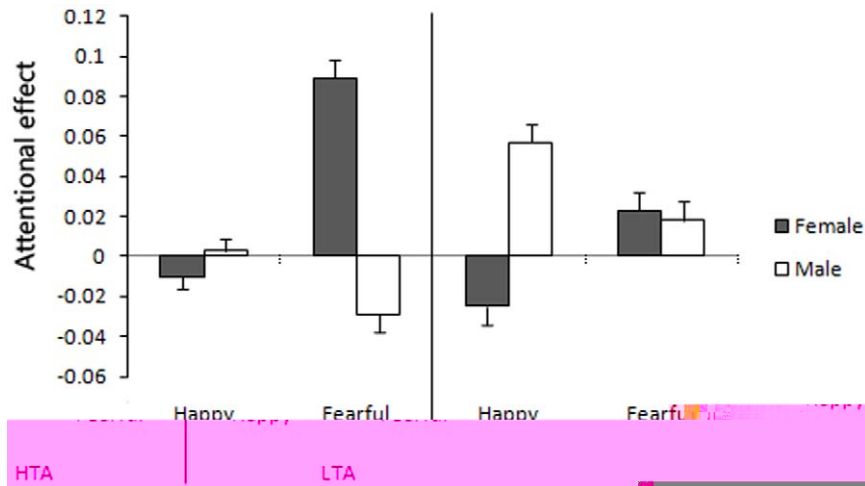


Figure 4. Attention bias and avoidance by happy and fearful faces in the invisible condition. The results indicated a gender difference of

Table 2. STAI-TAI scores of female and male participants in HTA group and T-Test between two genders.

	Female	Male	t	P
HTA	52.83(9.77)	52.83(6.64)	0.00	1.00

doi:10.1371/journal.pone.0020305.t002

Design.

(...).

Results

... (F(2, 33) = 5.6, p = 0.008), ... (F(1, 34) = 8.62, p = 0.006). A ... (17) = 2.89, p = 0.01), ... (17) = -3.75, p = 0.002). ... (F = 5).

Discussion

...

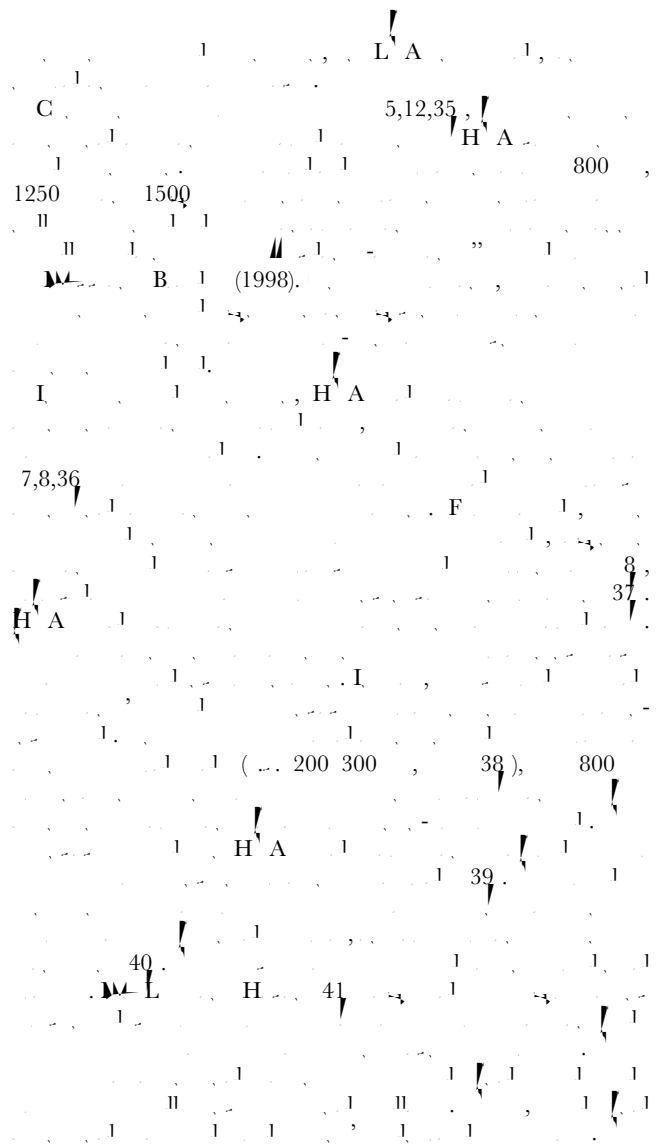


Figure 5. Attention bias and avoidance by neutral, happy and fearful faces in the invisible condition. Female participants exhibited attentional bias to fearful faces, while male participants exhibited attentional avoidance of fearful faces. This result supported that there was gender difference in HTA population. Additionally, we did not find attentional effects by both neutral and happy faces. Error bars denote 1 SEM calculated across subjects.

doi:10.1371/journal.pone.0020305.g005

H A ... 8,42,43 ... C ... 44 ... H A ... L A ...

K ... Bl ... 45 ... 19 ... I ... F ...

Author Contributions

C ... J ... G. A ... J ... FF. ... J ... C ... J ... FF.

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5. B ... B, ... K, F ... J, H ... L (1998) A ...
6. ... K, B ... B (1999) ... C ...
7. K ... EH, ... B, C ... G, D ... (2005) ... B ...
8. ... K, B ... B (1998) A ... B ...
9. ... (1998) A ... H ...
10. ... L ... C, ... A, ... (1986) A ...
11. B ... D, B ... (1988) A ...
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13. ... B, ... H (1999) ... Cl ... 19: 571 590.
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15. ... K, B ... B, ... J (1995) A ... 33: 927 935.
16. ... I, ... (2005) E ... I ... D ... 38: 785 795.
17. B ... L ... K (2002) ... E ... 3: 13 21.
18. F ... F, H ... (2005) C ... E ... 8: 1380 1385.
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20. G ... L ... I (2002) ... J ... B ... 26: 27 41.
21. ... C ... EB (2000) A ... B ... 126: 424 453.
22. ... C ... EB, ... C, ... EE, ... E, L ... E, ... (2004) A ... B ... 55: 1047 1055.
23. B ... H, J (1996) A ... A ... Cl ... 16: 129 146.
24. F ... A, ... F ... H, ... G (1996) G ... B ... 34: 33 39.
25. C ... DJ, D ... A, ... (1995) G ... A ... J ... 29: 114 117.
26. B ... E, ... L, ... E (1995) ... 58: 1 12.
27. ... E (2003) A ... ? J A ... D ... 77: 197 202.
28. ... A ... J (2009) A ... J B ... E ... 40: 206 316.
29. ... LC, C ... E ... E, ... -B ... A, C ... J (2003) ... I ... D ... 34: 831 844.
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33. ... (1993) ... C ... (... C ...) ... J ... Cl ... 117: 60 62.
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