Appendix: What About Brain Sensor Responded to Accident

When walking in front of a building at a construction site, the subject's subconscious mind becomes somewhat different feeling in a strange change of the surrounding environment [1]. Then, at the time that human brain sensor has detected falling down of the construction steel somewhere, it is suddenly enable to take the crisis avoidance behavior from this occurring accident. These situations are classified into 4 types as shown in Figure S1.

Details of the four kinds of avoidance behaviors from the fall down accident of the construction steel frame in a construction material are shown in Figure A-1 above.

1. When tension was applied to the skin of over both arms, one beta wave has appeared. The subject clicked the mouse as soon as possible. Since the construction steel fell down onto the ground within or in 3 seconds after starting the accident. The subject clicked the mouse within or in 2 seconds after the start of accident. Only one beta wave had appeared. This group of 6% was safe.

2. when the subject clipped mouse within 2 seconds, tension in the range from the skin of both arms and feet covered all over together. Two or more beta waves have appeared due to over tension to both feet because the subject's feet shrank due to fear. In this set of groups, the subject's feet could not be moved, but was tightened. The second one was 6%.

3. when one beta wave has appeared, the subject clicked the mouse in a time of later than 2 seconds, the subject would face an accident. The third group was 9% of accident had met.

4. Since each subject had no sense to subconscious of mind in the remainder group, the subject was not manifested and the beta wave was not output. There were 79% of such accidents.
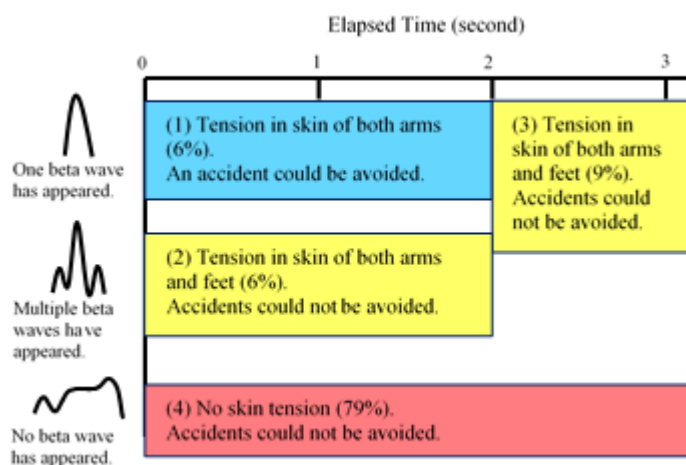

Figure S1: Four kinds of avoidance behaviors in fall down of the construction steel in case of an accident.

References

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