Instruction – Low-uncertainty

*English translation:*

“The transcranial infrared laser light stimulation with the combination of transcranial direct current stimulation has been successfully used for improving learning and cognition in previous studies. The efficacy of this stimulation had been proved by a great deal of international scientific research showing the action process by which this intervention becomes an effective tool for significantly improving a wide range of human cognition, including memory, decision making or statistical learning in a safe and non-invasive manner. During this session, 1 minute of this stimulation will be administrated, just before you start the cognitive task. At the beginning and/or during the entire course of the stimulation, most of

the participants might feel a slight itching or tingling sensation underneath the electrodes.”

Instruction – High-uncertainty

*English translation:*

*“This stimulation can perhaps induce an improving effect on learning and cognition, but this effect has still not been experimentally proved. There is experimental evidence in which this stimulation has been proved to be effective in improving learning and cognition; paradoxically, there are also cases where it has been found to produce decrease in performance. In this respect, the aim of this study is to clarify the previous findings. During this session, 1 minute of this stimulation will be administrated, just before you start the cognitive task. At the beginning and/or during the entire course of the stimulation, most of the participants might feel a slight itching or tingling sensation underneath the electrodes.”*