Supplementary Appendix A: Questionnaire for sighted control subjects with selected responses from individual subjects:

How did you remember the identity of the sounds?

- whistle sounded like a fire alarm
- hammer sounded like a falling bomb
- horse sounded like a lasso
- car sounded like a car alarm

(no two subjects came up with the same answer here)

Did you feel that there was any link between the sounds and the objects?

- most subjects simply answered no
- one subject felt that one or two of the vOICe sounds were similar to the natural sounds made by objects

Did you use these same techniques during the MRI scan?

- all subjects answered “yes”

[at this stage one of the investigators explained that the sounds were not randomly generated but instead based on The vOICe algorithm]

Did you suspect that the sounds had a link to the objects’ shape?

- all subjects answered “no”