

Fig. 3. Experimental results

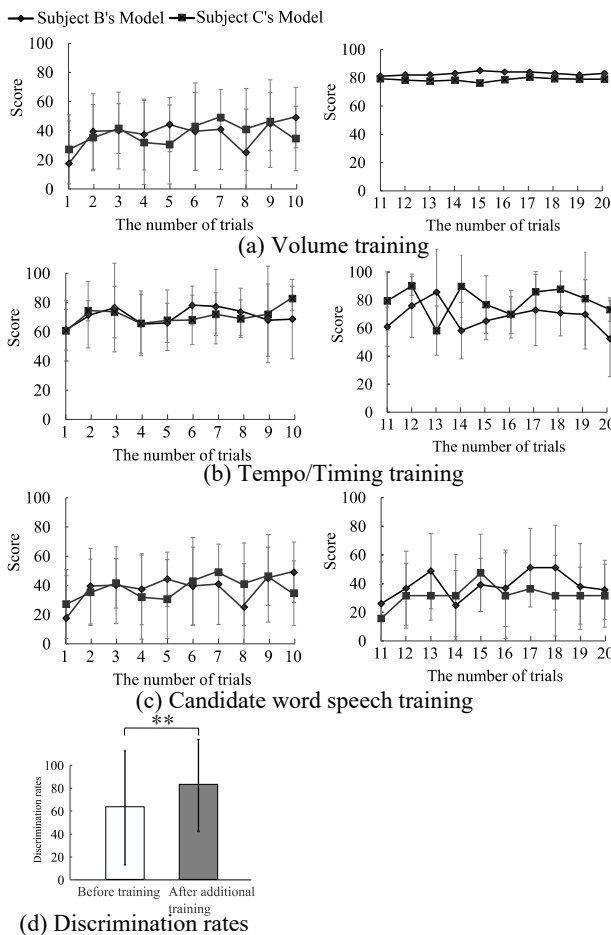


Fig. 4. Experimental results using the other subjects' learning data sets (Sub. A).

#### 4. Conclusion

This paper proposes a speech training system for the voice signal controlled ECS based on candidate word discriminations. The proposed training system provides three types of speech training that are important to speak in the same way every time. In the training experiments, it could be confirmed that the trainees' speech skills were gradually improved through training using the proposed system.

In future work, the authors plan to perform training experiments for patients with dysarthria and establish an online tuning method of training levels for each stage.

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