

# Introduction of robot into the clinical room

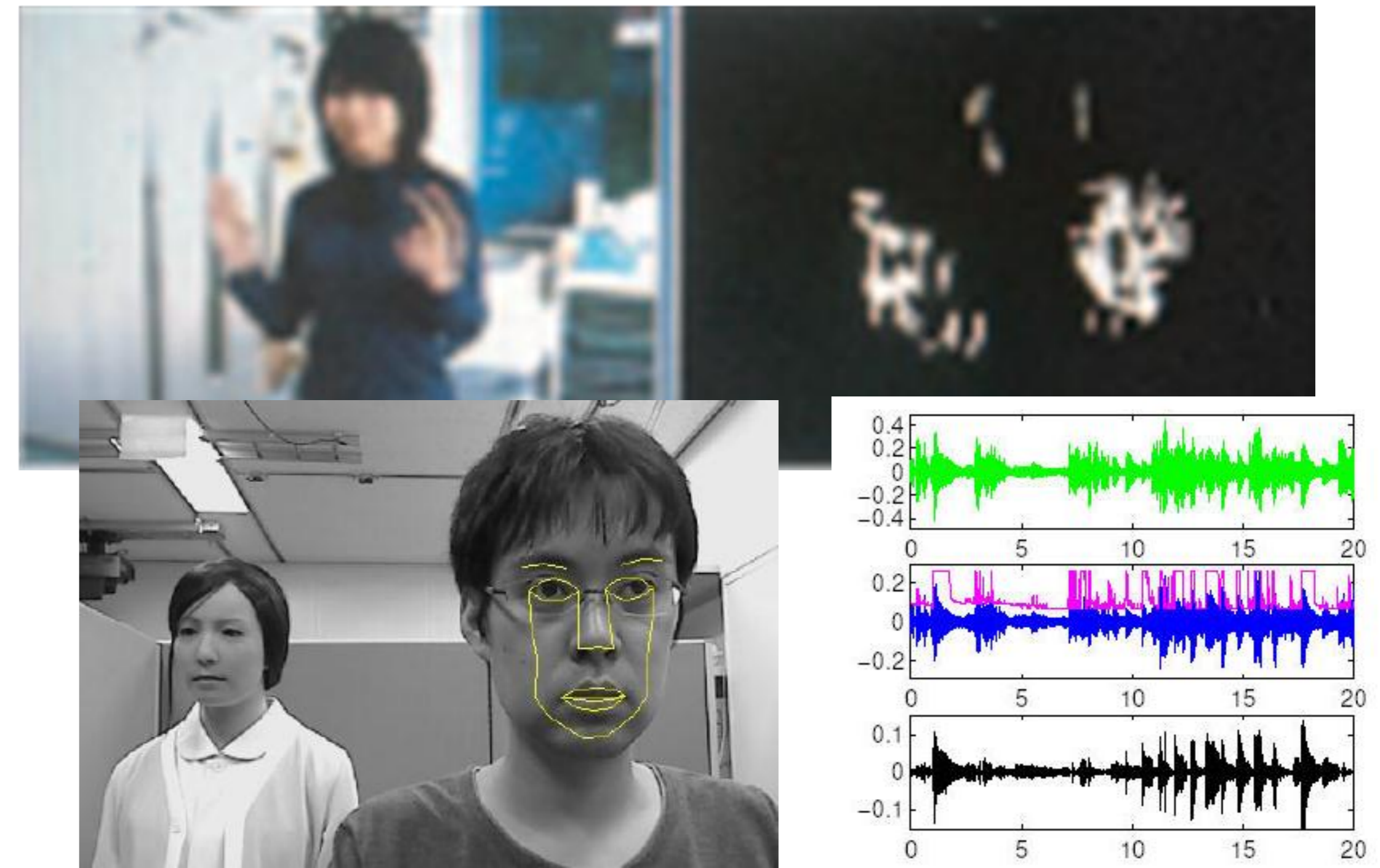
(Osaka university · AIST · Tokyo university)



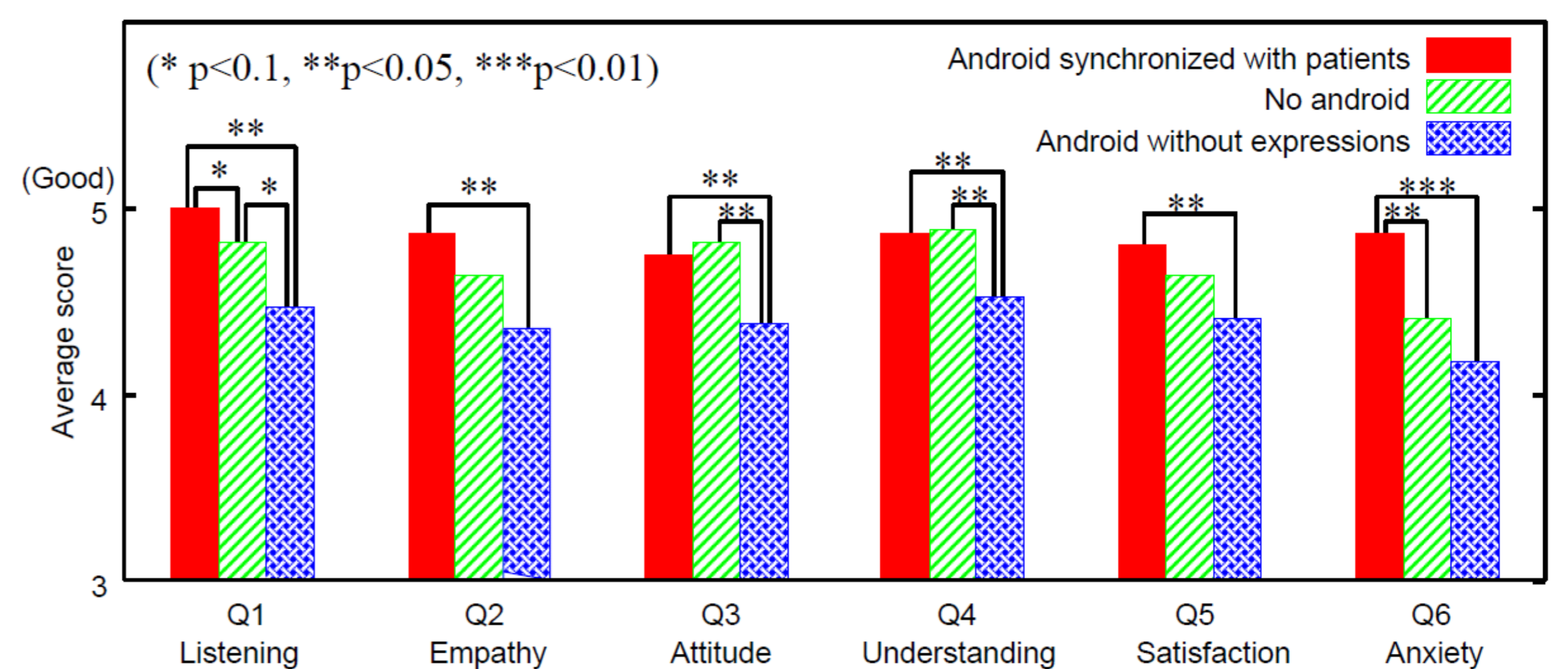
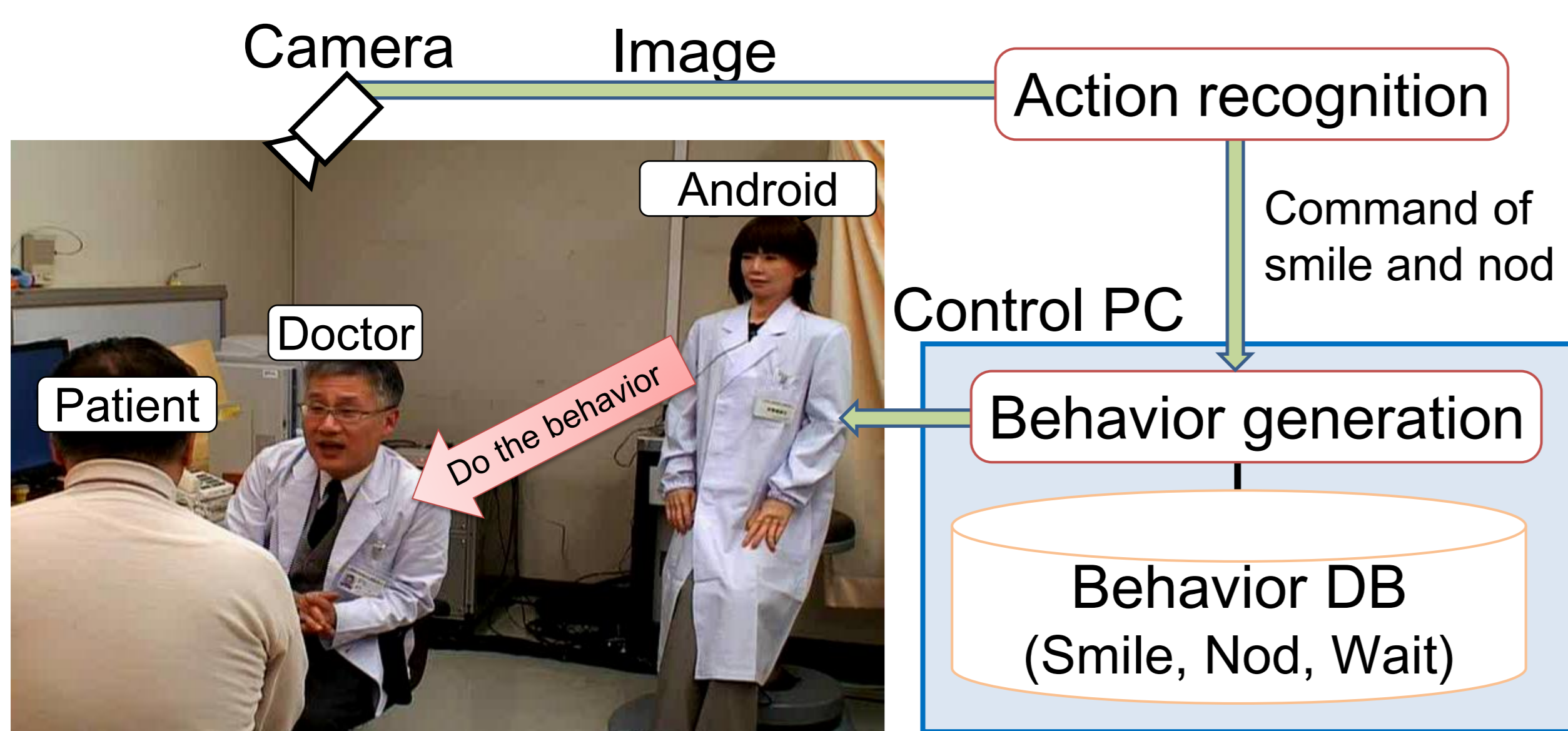
In a clinical room, the patient has a formal conversation with the doctor. We are conducting an experiment in which an android is introduced in such a clinical scene. The android has the effect of easing patient's anxiety, facilitating the communication, and increasing the satisfaction level of medical service

## Construct the mechanism to generate natural behavior

Android's appearance is very human-like. In the same way, the android's behavior needs to be human-like. In this perspective we are researching a mechanism for automatically and efficiently generating android's natural behavior, for example, expression, nod, gaze, utterance and so on by using sensor information on the environment, for example, image, sound, and so forth.



## Psychological influence to communication by android bystanding



We did experiments in a clinical room with an android. In this experiments, the android nods and smiles as a bystander. Questionnaire showed that the patient's satisfaction level of medical service (how much patient felt that the doctor listen to patient carefully, that patient can understand the doctor's explanation, and so on) was the highest when the android's behavior is synchronized with the patient.

