

Automatic Detection of Swallowing Events by
Using Throat Sound and Chest
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, 概要講演あり, 新規発表))

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Automatic Detection of Swallowing Events by Using Throat Sound and Chest Sound

Bhuiyan Rakib (Department of Informatics, Graduate School of Integrated Science and Technology, Shizuoka University),

Khan Ahmad Yeaseen (Department of Informatics, Graduate School of Integrated Science and Technology, Shizuoka University),

Masafumi Nishimura (College of Informatics, Academic Institute, Shizuoka University)

It is a common issue that Elderly People forget to take their medication. Different survey has been conducted focusing on the issue and It has been proven that a wide range of elderly people forget to take their medicine or forget the proper schedule of the medicine. Intaking medicine in proper time is very important especially for the elderly people. It is very difficult to monitor medicine intake-related behavior for caseworkers and family. So Monitoring medicine intake is very important issue. Some approaches focusing on electronic signal and magnetic signal have been conducted but having high time and computational complexity and requires much electricity. Our proposed approach focuses on low-computational resources and long-term monitoring. We have proposed a method to detect all the swallowing events including medicine-intake surely with using sound information and low-computational resources. For Our purpose We have used a very simple VAD and simple model Support Vector Machine.