

ABSTRACT

A swallowing diagnosis apparatus 100 includes: a first swallowing determination part 116b configured to detect, from respiratory pressure data outputted from a pressure sensor 114, respiratory phases before and after a period in which swallowing has been estimated as having occurred by a swallowing estimation part 116a, and determine whether or not there is a aspiration risk in the swallowing on the basis of the detected respiratory phases; a second swallowing determination part 116c configured to extract biogenic sound data outputted from a sound sensor 131a in a predetermined period including the period in which swallowing has been estimated as having occurred by the swallowing estimation part 116a, obtain a feature quantity from the extracted biogenic sound data, and perform a machine learning process on the obtained feature quantity to determine whether or not there is a possibility of dysphagia in the swallowing; and a display control part 116 configured to cause a display 111 to display a determination result obtained by each swallowing determination part.