

SYSTEM AND METHOD FOR PROVIDING CUSTOMIZED TREATMENT INFORMATION FOR BEHAVIORAL CONTROL OF DENTAL PATIENTS

ABSTRACT

Disclosed is a system for providing customized treatment information for behavioral control of dental patients, comprising: a management server comprising an arithmetic process unit determining a treatment type of a patient based on information in a patient DB, and a management server extraction unit extracting an instruction value according to the determined treatment type from a management server DB; a hospital server comprising a hospital server transmission/reception unit receiving the extracted instruction value from the management server; a waiting room terminal; and a treatment room server, wherein the waiting room terminal comprises: a terminal extraction unit extracting treatment tool information and virtual treatment simulation information from a waiting room program library based on the instruction value received from the hospital server; a terminal output unit outputting the extracted treatment tool information and virtual treatment simulation information on a terminal display; and a terminal determination unit comparing a first response data value of the patient to the virtual treatment simulation information with a first reference data value and determining whether to give positive feedback or induce relearning, wherein the treatment room server comprises: a treatment server extraction unit extracting, based on a signal value from a contact sensor of a treatment tool, relevant treatment tool information and information about a treatment situation in which the treatment tool is used, from a treatment room program library; a treatment room server output unit outputting the extracted relevant treatment tool information and information about a treatment situation in which the treatment tool is used, on a treatment room display; and a treatment room server determination unit comparing a second response data value of the patient to the information about a treatment situation with a second reference data value and determining whether to give positive feedback or give negative feedback.

Figure 1