Claims

1. A terminal device comprising:

an input unit configured to receive a biological signal of the patient;

a controller configured to acquire biological information of the patient based on the biological signal, to determine whether or not the biological information is accurate in a first time period such that the biological information acquired in the first time period is accurate if the patient is sleeping in the first time period and the biological information acquired in the first time period is not accurate if the patient is not sleeping in the first time period, and to change handling of the biological signal or the biological information in accordance with whether or not the biological information is accurate in a first time period,

wherein the controller includes a display controller configured to display, when displaying the biological signal or the biological information on a display, the biological signal or the biological information irrespective of the determination result,

wherein the display controller displays the biological signal or the biological information in different ways depending on whether or not the biological signal or the biological information is determined to be accurate by a determining unit,

wherein the controller includes a data output controller configured to output data on the biological signal or the biological information determined to be accurate by the determining unit to an another device,

wherein the data output controller is configured not to output data on the biological signal or the biological information to the another device if determined not to be accurate by the determining unit.

2. The terminal device according to claim 1, wherein the controller is configured to determine the biological information is accurate in the first time period if variation of values of the biological information or the biological signal over a second time period or more is smaller than a threshold.

3. The terminal device according to claim 1, wherein the controller is configured to determine the biological information is accurate in the first time period if a proportion of a time period, in which the biological signal or the biological information is successfully acquired normally, to a time period exceeds a threshold.

4. The terminal device according to claim 1, wherein the controller is configured to determine the biological information is accurate in the first time period if the biological signal or the biological information is satisfied with a plurality of candidate conditions.

5. The terminal device according to claim 1, wherein the controller includes a data output controller configured to output data on the biological signal or the biological information determined to be accurate by the determining unit.

6. A system comprising:

a bed;

a mattress provided on the bed

a sensor configured to detect a biological signal of the patient, the sensor being provided between the bed and the mattress;

a controller configured to acquire biological information of the patient based on the biological signal, to determine whether or not the biological information is accurate in a first time period such that the biological information acquired in the first time period is accurate if the patient is sleeping in the first time period and the biological information acquired in the first time period is not accurate if the patient is not sleeping in the first time period, and to change handling of the biological signal or the biological information in accordance with whether or not the biological information is accurate in a first time period,

wherein the controller includes a display controller configured to display, when displaying the biological signal or the biological information on a display, the biological signal or the biological information irrespective of the determination result,

wherein the display controller displays the biological signal or the biological information in different ways depending on whether or not the biological signal or the biological information is determined to be accurate by a determining unit,

wherein the controller includes a data output controller configured to output data on the biological signal or the biological information determined to be accurate by the determining unit to an another device,

wherein the data output controller is configured not to output data on the biological signal or the biological information to the another device if determined not to be accurate by the determining unit.

7. The terminal device according to claim 6, wherein the controller is configured to determine the biological information is accurate in the first time period if variation of values of the biological information or the biological signal over a second time period or more is smaller than a threshold.

8. The terminal device according to claim 6, wherein the controller is configured to determine the biological information is accurate in the first time period if aproportion of a time period, in which the biological signal or the biological information is successfully acquired normally, to a time period exceeds a threshold.

9. The terminal device according to claim 6, wherein the controller is configured to determine the biological information is accurate in the first time period if the biological signal or the biological information is satisfied with a plurality of candidate conditions.

10. A non-transitory computer readable medium having stored thereon a program for causing a microprocessor to execute at least the following:

acquiring biological information of a patient based on a biological signal of the patient;

determining whether or not the biological information is accurate in a first time period such that the biological information acquired in the first time period is accurate if the patient is sleeping in the first time period and the biological information acquired in the first time period is not accurate if the patient is not sleeping in the first time period;

changing handling of the biological signal or the biological information in accordance with whether or not the biological information is accurate in a first time period;

displaying the biological signal or the biological information irrespective of the determination result via a display controller, wherein the display controller displays the biological signal or the biological information in different ways depending on whether or not the biological signal or the biological information is determined to be accurate by a determining unit;

outputting data, via a data output controller, to an another device, the biological signal or the biological information determined to be accurate by the determining unit, wherein the data output controller is configured not to output data on the biological signal or the biological information to the another device if determined not to be accurate by the determining unit.