Claims

[Claim 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 based on whether the patient is sleeping, in the first 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.

[Claim 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.

[Claim 3]

The terminal device according to claim 2, wherein the controller is configured to determine the biological information is accurate in the first time period if the patient is sleeping during the first period.

[Claim 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 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.

[Claim 5]

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.

[Claim 6]

The terminal device according to claim 1, 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.

[Claim 7]

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.

[Claim 8]

The terminal device according to claim 6, 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.

[Claim 9]

The terminal device according to claim 6, 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 the determining unit.

[Claim 10]

The terminal device according to claim 7, wherein the data output controller is configured not to output data on the biological signal or the biological information determined not to be accurate by the determining unit.

[Claim 11]

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 based on whether the patient is sleeping, in the first 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.

[Claim 12]

The terminal device according to claim 11, 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.

[Claim 13]

The terminal device according to claim 12, wherein the controller is configured to determine the biological information is accurate in the first time period if the patient is sleeping during the first period.

[Claim 14]

The terminal device according to claim 11, 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.

[Claim 15]

The terminal device according to claim 11, 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.

[Claim 16]

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 based on whether the patient is sleeping, in the first period; and

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.