【CLAIMS】

【Claim 1】

A method for predicting skin age, comprising:

calculating a skin age rating by substituting at least one related factor indicative of a skin condition of a subject to a skin age prediction equation,

wherein the skin age prediction equation is determined by:

performing 2-tailed analysis to a plurality of samples to determine the at least one related factor among a plurality of factors indicative of a skin condition of a human;

performing multiple regression analysis to the plurality of samples with respect to the determined related factor to determine a regression constant and at least one variable term; and

performing linear combination of the determined regression constant and the at least one variable term respectively corresponding to the determined related factor to determine the skin age prediction equation;

wherein the at least one variable term is respectively expressed by a multiply of a variable corresponding to the determined related factor and a beta index corresponding to the variable.

【Claim 2】

The method for predicting skin age according to claim 1, further comprising:

measuring or receiving the at least one related factor.

【Claim 3】

The method for predicting skin age according to claim 1,

wherein the related factor includes any one of a pigment area and a periorbital wrinkle area of the subject.

【Claim 4】

The method for predicting skin age according to claim 1,

wherein the skin age prediction equation is express as:

$$\mathbf{Q19 = 7.414 - 0.0000558 \times X1 - 0.0000576 \times X2},$$

wherein Q19 is the skin age rating,

wherein X1 is a variable corresponding to a pigment area,

wherein X2 is a variable corresponding to a periorbital wrinkle area,

wherein 7.414 is the regression constant, and

wherein -0.0000558 and -0.0000576 are beta indexes respectively corresponding to X1 and X2.

【Claim 5】

The method for predicting skin age according to claim 1, further comprising:

determining skin age of the subject from the calculated skin age rating.

【Claim 6】

The method for predicting skin age according to claim 5,

wherein the determining of skin age of the subject includes:

scaling the calculated skin age rating according to a predetermined manner; and

calculating skin age of the subject by using the scaling result.

【Claim 7】

A device for predicting skin age, comprising:

a storage unit configured to store a skin age prediction equation; and

a processor configured to calculate a skin age rating by putting at least one related factor indicative of a skin condition of a subject to the stored skin age prediction equation;

wherein the skin age prediction equation is determined by:

performing 2-tailed analysis to a plurality of samples to determine the at least one related factor among a plurality of factors indicative of a skin condition of a human;

performing multiple regression analysis to the plurality of samples with respect to the determined related factor to determine a regression constant and at least one variable term; and

performing linear combination of the determined regression constant and the at least one variable term respectively corresponding to the determined

related factor to determine the skin age prediction equation;

wherein the at least one variable term is respectively expressed by a multiply of a variable corresponding to the determined related factor and a beta index corresponding to the variable.

【Claim 8】

The device for predicting skin age according to claim 7, further comprising:

a measuring unit configured to measure the at least one related factor.