CLAIMS

[Claim 1]

An individual difference information management system in dialysis treatment comprising:

blood flow information acquiring means configured to acquire blood flow information in a hollow fiber filter of a dialysis machine in a blood circuit for hemodialysis;

blood related information acquiring means configured to acquire blood flow information acquired by the blood flow information acquiring means and patient biological information;

individual difference information managing means configured to compare the blood flow information in the hollow fiber filter of the dialysis machine in the blood circuit for hemodialysis from the blood related information acquired by the blood related information acquiring means with a blood flow amount set based on a driving amount of a blood driving section of the blood circuit for hemodialysis to acquire and manage patient individual difference information including individual difference information for regulating the driving amount of the blood driving section;

blood driving amount regulating means configured to regulate a blood driving amount of the blood circuit for hemodialysis to perform optimized dialysis treatment for patients on the basis of the patient individual difference information;

a second regulating section configured to supply a concentration regulating solution for regulating a blood concentration in the blood circuit for hemodialysis; and

dialysate circulation amount regulating means configured to regulate a circulation amount of dialysate.

[Claim 2]

The individual difference information management system according to claim 1, wherein the patient biological information is all or a part selected from a group including peripheral vascular resistance information, blood pressure information, face information, body movement information, temperature information, and humidity information.

[Claim 3]

The individual difference information management system according to claim 1, further including change amount acquiring means configured to obtain a change amount of information acquired by the blood related information acquiring means, and individual difference information managing means configured to acquire and manage patient individual difference information from the blood related information and/or the change amount.

[Claim 4]

The individual difference information management system according to claim 2, wherein the face information includes a color, an expression, a movement, and a deformation of the face, and the body movement information includes movements of a body of a hand, a leg, a neck, a waist, and the like.

[Claim 5]

The individual difference information management system according to claim 1, wherein the blood flow information acquiring means includes a plurality of laser blood flow meter sensors, wherein blood flow information in the hollow fiber filter of the dialysis machine is acquired by providing the sensors at predetermined positions on a surface of the dialysis machine.

[Claim 6]

The individual difference information management system according to claim 1, comprising: blood pressure detection means configured to detect a blood pressure consecutively or intermittently before and after the dialysis treatment; body temperature detecting means configured to detect a body temperature consecutively or intermittently before and after the dialysis treatment; humidity detection means configured to detect a moisture of a skin consecutively or intermittently before and after the dialysis treatment; blood flow detecting means configured to detect a blood flow consecutively or intermittently before and after the dialysis treatment; and blood pressure stabilizing means configured to stabilize the blood pressure based on one or a plurality of items of information acquired from the blood pressure detecting means, the body temperature detecting means, the humidity detection means, and the blood flow detecting means.

[Claim 7]

The individual difference information management system according to claim 6, wherein the body temperature detecting means, the humidity detection means, and the blood flow detecting means are non-contact types with respect to a biological body.