perform an automatic identification. For this an identification element generating device is used which has the function of generating the identification element, which can for example be a barcode or data matrix code in two-dimensional or three-dimensional form, or is a transponder, in order to then ~~allocate~~ attach this to the extraction device.

As blood analysis devices are frequently used centrally for a multiplicity of widely varying blood samples from different patients, in principle there is a risk of confusing blood samples on delivery from the point of extraction of the blood quantity from the human body or the patient to the input or supply of the blood sample to the blood analysis device. This can be avoided by the system and method according to the invention. Also with the system and method according to the invention it is possible that patient-specific or personal and treatment-related data can be supplied to the blood analysis device together with the extraction device which may be a syringe. In parallel for comparison purposes, data which are also patient-related or personal and also treatment-related data can be entered in the blood analysis device by means of a determination or calculation device such as for example a PC with an input keyboard or a PC with connected read device for a barcode scanner, and compared with the data from the identification element which is for example a barcode and is read by means of the blood analysis device.

Such comparison allows the avoidance of errors in allocation of the blood to be analysed to the respective patient, since subsequent blood analysis takes place only when the comparison unit and the allocation unit give a release signal to the analysis unit. This occurs only when the comparison unit establishes correlating data.

Advantageously such a determination or reading of personal and treatment-related data can take place by means of a barcode scanner which scans the armband of a patient bearing such a barcode, and reads the barcode. The barcode read is then printed out by means of a printer or the identification element generating device and applied to the syringe or other container.

Claims

1. System for monitoring at least one blood parameter of the blood of a prespecified patient (1) comprising:

- an access device (2) to create an access to the blood of the patient (1) through the skin;

- an extraction device (3) for extracting a blood quantity to obtain a blood sample (3);

- a blood analysis device (12) that can be used for a multiplicity of blood samples (3) from various patients to analyse the blood sample (3) with regard to prespecifiable blood parameters;

- a first calculation device (18) for calculating medicament parameters of a medicament to be administered to the patient (1) on the basis of the parameters determined from the blood analysed; and

- a supply device (19, 20) to supply the medicament with the calculated medicament parameters to the patient (1); and

- a first identification element (4) comprising personal and treatment-related data and being provided at the patient (1);

characterised by comprising an identification element generating device (9) for generating at least one second identification element (10) with personal and treatment-related data on the basis of the personal and treatment-related data of the first identification element (4), wherein said at least one second identification element (10) can be allocated to the blood sample (3) before its supply to the blood analysis device (12) and the allocated second identification element (10) can be attached to the extraction device (3).

2. System according to claim 1, characterised in that the allocated second identification element (10) is at least one barcode and/or data matrix code applied to the extraction device (3).