

Title (en)

METHOD FOR CONTROLLING A BLOOD PURIFYING DEVICE

Title (de)

VERFAHREN FÜR DIE KONTROLLE EINER BLUTREINIGUNGSVORRICHTUNG

Title (fr)

PROCEDE DE CONTROLE DE DISPOSITIF D'EPURATION DE SANG

Publication

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Application

EP 98913999 A 19980429

Priority

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Abstract (en)

[origin: WO9850091A1] The invention concerns a method for controlling a device comprising means for filtering blood (8) divided into two sections by a semipermeable membrane whereof one section (8a) pertains to the bloodstream (20, 21) wherein the flow rate is preferably imposed by a blood pump (1), and the other section (8b) receiving the extracted blood ultrafiltrate is connected to a discharge line (24) into a container supported on means for weighing (7) the ultrafiltrate. Said device also comprises several lines supplying (25, 26) a substitution product from a reservoir (15, 16) supported on means for weighing (5, 6) the product. The supply outlet of each line is connected to the blood circuit via a mixer (22). Said device further comprises electronic control means (9-14) monitoring the pumps at predetermined time intervals to adjust the instantaneous flow rate of the bloodstream, the ultrafiltrate and the substitution products respectively. The method consists in revising and, if necessary, in modifying by the electronic means (9, 12) the treatment parameters on the basis of the measured variables and the medical and/or physical knowledge data pre-stored in the electronic storing means (12) of the electronic control means so as to ensure that device operates accurately and smoothly.

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