

Title (en)

DEVICE AND METHOD FOR MONITORING AN ACCESS TO A PATIENT, IN PARTICULAR A VASCULAR ACCESS DURING AN EXTRACORPOREAL BLOOD TREATMENT

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ÜBERWACHUNG EINES ZUGANGS ZU EINEM PATIENTEN, INSBESONDERE EINES GEFÄSSZUGANGS BEI EINER EXTRAKORPORALEN BLUTBEHANDLUNG

Title (fr)

DISPOSITIF ET PROCÉDÉ DE CONTRÔLE D'UN ACCÈS À UN PATIENT, EN PARTICULIER D'UN ACCÈS VASCULAIRE LORS D'UN TRAITEMENT EXTRACORPOREL DU SANG

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2009109351A2] The invention relates to the monitoring of an access to a patient at a puncture point, in particular the monitoring of the arterial and/or venous vascular access during an extracorporeal blood treatment. The device according to the invention, using which the exit of blood at the puncture point can be recognized, is implemented as a magnetoelastic moisture sensor (24), which is embedded in an absorbent material (25), which is laid on the puncture point (37). For the case in which infusion solution and/or blood exits from the puncture point (37), the incorrect seating of the puncture cannula (39) can be recognized reliably using the device according to the invention. The absorbent material (25) having the embedded magnetoelastic moisture sensor (24) can be laid like conventional bandage material or a gauze bandage on the puncture point. It is advantageous that using the device according to the invention, the requirements of hospital hygiene during dialysis are also fulfilled, because the puncture point is sterilely covered by laying on the device according to the invention. In addition, the device according to the invention may be provided cost-effectively in large piece counts as an article intended for single use and can be handled like conventional bandage material to avoid infections at puncture points. The monitoring of the patient access thus does not require additional measures.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2009109351A2

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