

Title (en)

OPTICAL EXTRAVASATION DETECTION METHOD AND APPARATUS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR OPTISCHEN ANZEIGE VON GEFÄSSAUSTRITTEN

Title (fr)

PROCEDE ET DISPOSITIF DE DETECTION OPTIQUE D'UN EPANCHEMENT

Publication

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Application

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Abstract (en)

[origin: WO9915074A1] The present invention is an extravasation detection apparatus that optically detects extravasation of an injection fluid into an area of tissue during infusion. The apparatus includes an electronics control module (10), and a disposable conduit (1). The disposable conduit includes a sensor pad (100) having a lower surface for placement against a patient, and a cable (200) extending from the sensor pad to the electronics control module. At least one light source (14) is provided on either the sensor pad or the electronics control module. The light source emits light below the lower surface of the sensor pad. At least one light detector (15) is provided on either the sensor pad or the electronics control module. The detector detects the light from the light source that is reflected, scattered, diffused or otherwise emitted from the patient. The electronics control module processes signals from the detector, and evaluates whether extravasation has occurred.

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