

Title (en)

A CATHETER TO BE INSERTED INTO A BLOOD VESSEL, AND A METHOD FOR DETECTION OF SUBSTANCES

Title (de)

KATHETER ZUM EINBRINGEN IN EIN BLUTGEFÄSS SOWIE VERFAHREN ZUM FESTSTELLEN VON SUBSTANZEN

Title (fr)

CATHETER A INTRODUIRE DANS UN VAISSEAU SANGUIN ET PROCEDE DE DETECTION DE SUBSTANCES

Publication

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Application

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Abstract (en)

[origin: WO9945982A2] A catheter (1) to be inserted into and guided by a blood vessel, and a method for detecting substances in the coronary sinus. The catheter (1) comprises an elongate catheter body (2), having a distal end and a proximal end, and includes at least two channels (23, 24). A first and second channel (23, 24) for microdialysis solution are connected with each other so that microdialysis solution can flow from one channel to the other. An opening (25), in connection with which a microdialysis membrane (30) is arranged, is provided in the catheter body (2). A space (26) in the catheter body is formed by a part of the first channel in connection with said opening and forms a microdialysis chamber (26). The catheter is connectable to external means (10) for circulating and monitoring/analyzing the dialysis solution. In the method the concentration of at least one substance in a group, in a sample of a dialysis solution obtained by microdialysis of blood in the vascular system, e.g. in the coronary sinus, is measured and possibly compared with a reference concentration for the respective substance measured.

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