



Medical Device

Infusion line anti-outlet connector

A research group of the Andalusian Public Health System in collaboration with the University of Seville, has developed a device that allows the infusion and administration of fluids, serums and intravenous medications comfortably, avoiding the risk of leaving the routes when the patient moves the hand or arm.



Description of the offer

Currently, to administer medication, serum, etc ... to hospitalized patients, the venous line is required. This procedure is generally carried out using the three-way stopcock. In practice, these keys present various functional problems derived from their own configuration, which involve, for example, choking of the duct. There are three-way braces where the ends of the secondary tracks are parallel to the main track, solving the above problems in the sense that the need for the catheters connected to the lateral tracks to form curves in their trajectory is avoided, thus reducing the probability of choking. However, there continues to be a problem related to the need for manipulation of the key each time the secondary lines are acted upon, for example, to connect or disconnect the catheter connected thereto. In these cases, it is necessary to lift the full three-way valve, which consumes a considerable amount of time by the medical professional, in addition to being annoying for the patient.

The Infusion Pathway Outlet Connector (CAVI) device consists of two tubular inlet connectors that define two primary liquid flow lines and an intermediate transverse tubular outlet connector that connects to the patient's line. The set consisting of "patient line-CAVI-infusion lines" forms a block that largely avoids the risk of leaving the patient line.

This device allows the continuous and intermittent infusion and administration of fluids, serums and medications intravenously in a comfortable way, avoiding unnecessary tractions, elevations of the protective dressings and the risk of leaving the lines when the patient moves the hand or arm. This device is designed for use mainly in hospital rooms and with the patient awake, although it is also suitable for use in operating rooms with anesthetized patients.



Advantages of the offer

- It allows the connection of one or two infusion tubes in such a way that they do not come out of the device when the patient moves the hand or arm.
- The ends of the secondary lines are separated from the surface of the patient's skin, thus allowing the connection / disconnection of the corresponding catheters without the need to completely detach the connector.
- It allows the catheters connected to the respective routes to be parallel from the point of connection to said secondary routes, preventing them from following curved paths.
- Allows its use in vascular access systems and in cerebrospinal fluid drainage systems.



Intellectual Property

This technology is protected by a International patent application (PCT).



Aims

We are looking for a partner interested in a license and/or a collaboration agreement to further develop and exploit this innovative technology.



Classification

Area: Medical device

Pathology: Oncology, Hematology, Anesthesia, Nursing

