

DEVICE FOR THE PRESERVATION OF HEPATIC GRAFT IN NORMOTHERMIC CONDITIONS

The current technology is a medical device for the perfusion of hepatic graft in normothermic conditions, simple, portable and effective that makes normothermic clinical application possible either for a subsequent transplant or for sampling.

BACKGROUND

The hepatic transplant constitutes the only valid therapy in patients with hepatic illness in terminal stage. However, its applicability is very much reduced due to the shortage of organs for the transplant. In addition, hepatic injuries caused by the classical ischemic/reperfusion process highlight the need of new alternatives to improve organ preservation.

The normothermic perfusion is an artificial system that holds the organ working outside the body, in physiological conditions. The results obtained by normothermic perfusion are clearly superior to the ones obtained by cold perfusion. However, there are still several technical difficulties that separate this process of its use in the clinical area.

TECHNOLOGY DESCRIPTION

The present invention is a medical device for hepatic perfusion that makes possible the clinical application of normothermic perfusion. The use of this device will provide the system and its users with a great value and benefits.

ADVANTAGES

- allows more time between donations and transplants
- allows evaluating better the feasibility of the organ before being transplanted
- improves the health of the organ/graft
- increases the distance that an organ can travel

- allows using organs that would not be used by the lack of time
- In the medium term, it will allow a saving of labour costs and logistics
- It will help to carry out a greater number of transplants, to reduce the patient waiting list.

CURRENT STAGE OF DEVELOPMENT

Experimental prototype has been tested in laboratory.

GOAL

We are searching companies interested in the acquisition of the license and the commercialization of the product.

PATENT

Patent application number: **P200801402**.

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