Gamma-Am

THE ESSENTIAL TOOL FOR ISOLATED LIMB PERFUSION

- Ultra sensitive technology: Csi(Tl) + PM tube
- Real time monitoring
- Patient's information traceability
- User-friendly probe and software
- Optimum ergonomics and compact design

CE 0459

ACCURACY, SIMPLICITY AND EFFICIENCY

CLERAD
ONCOLOGY IN THE OPERATING ROOM

Clermont-Ferrand - Tel : 04 73 74 62 40 - email: clerad@clerad.fr

ISO 13485 G MED

Gamma-AM

The Gamma-AM (Activity Monitoring) device is the essential tool for the treatment of melanoma and limb sarcoma with the ILP method - Isolated Limb Perfusion.

Gamma-AM and its dedicated software enable a continuous real-time control of the chemotherapy leak rate from the isolated limb towards the general circulation of the patient.

ILP - Isolated Limb Perfusion

- The procedure's description and aim

Isolation of one limb from the rest of the body in order to inject a dosis of drugs (TNF+ Melphalan) 10 times superior than a systemic chemotherapy. This injection is done through an extracorporeal circulation (see drawing 1 below).

This high drug concentration causes the tumor's necrosis and size reduction ; avoiding amputation or mutilating.

- Role of the Gamma-AM

The TNF is extremely toxic and puts the patient's life at stake in case of leak from the extracorporeal circulation to the the general circulation. That's why, the use of a monitoring device is necessary.

- Gamma-AM functioning

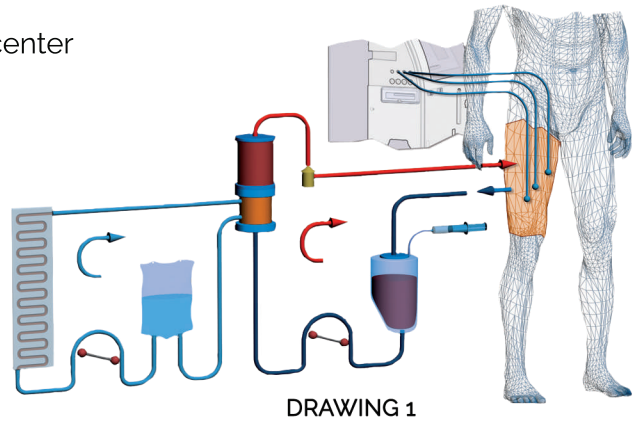
The probe is installed near the heart (precordial situation).

At the beginning of the operation a small amount of albumine radiolabelled with 99mTc is injected into the systemic circulation in order to make the background noise. A 30 to 50 times higher radiolabelled drug dosis is then injected into the extracoporeal circulation.

The probe continuously measures the variation of the radioactive product present into the systemic circulation. This way, it constantly controls the leak rate and launches an alarm if the rate exceeds the predetermined critical level ensuring a great reactivity (tourniquet adjustment, surgery time reduction...).

Features and ergonomics

- Entirely dedicated software which allows a precise and real-time monitoring
- Parameters and data recording on the computer allows traceability of the patient's case
- Ergonomy designed for the purpose of facilitating the device use and shifting
- Benefits from a long experience : first monitoring probe
- Developed in partnership with the french Léon Bérard center



DRAWING 1

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