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A global clinical trial seeking to improve survival of patients with colorectal liver metastases and liver cancer using advanced radiofrequency technology

ABOUT

Liver cancer is the fifth most common cancer and the second leading cause of cancer-related deaths in the world. Despite recent advances, liver resection offers the only chance of cure for patients with liver cancer and liver metastases. Unfortunately, a great proportion of these patients are not eligible for cancer surgery.

LIVRATION aims at decreasing the rate of Colorectal Liver Metastasis and Liver Cancer tumour recurrence after resection and increase the number of patients with liver cancer who can undergo surgery.

WHAT IS LIVRATION?

LIVRATION is a comprehensive, practical, multinational clinical trial to recruit 720 patients within 20 clinical sites in 7 countries

LIVRATION will evaluate a reduction in local cancer recurrence by adding Additional Coagulation of the Margin (ACM) using radiofrequency (RF) ablation devices compared to conventional hemostatic techniques in a clinical trial.

In close contact with Patients, understanding their needs, through patient associations and evaluating the Socioeconomic impact of the Research clinical trial.



LIVRATION SUMMARY

Programme: Horizon Europe Research and Innovation programme n° 101104360
Coordinator: Insitut Hopital del Mar (IMIM) - Dr. Patricia Sánchez-Velázquez
Project duration: June 2023 - june 2028

LIVRATION PROJECT AIMS

	Evaluate the effectiveness of Radiofrequency-based Additional Coagulation of the Margin (ACM) to decrease local recurrence of Colorectal Cancer Liver Metastasis and Liver Cancer.
	Analyse and evaluate over a period of 5 years the effect of an Additional Coagulation of the Margin after liver resection in terms of avoiding local recurrence.
	Increase the target population which might undergo surgery, including people with tumours located in hazardous regions and dubious margins.
	Analyse and evaluate the trial Secondary end-points through a rigorous analysis as well as postoperative morbidity and in-hospital mortality.
	It will be evaluated the societal implications, Patients' Quality of Life, patients' lives' emotional, spiritual and social dimensions, their needs and experience during the treatment.
	Identify factors to enhance patients's quality of life, and extract recommendations about how to improve them.
	Provide significant evidence for decision-making within and beyond the clinical trial space.
	Generate a guide for therapeutic methodology for resection of Colorectal Cancer Liver Metastasis and liver cancer to be submitted to the Services of the National Health Systems.
	To raise awareness and increase the potential of further use by disseminating and communicating to the scientific community and to the general public.

PRINCIPAL INVESTIGATORS



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