

ImmunoTools IT-Box-139 Award 2012



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Randomized phase II trial in patients with progressive stage IV colorectal cancer to two lines of chemotherapy, in order to compare the best supportive treatment versus treatment with dendritic cells plus the best supportive treatment.

The different alternatives used since 1996 to treat metastatic colorectal cancer (MCRC) have increased the mean survival of these patients. This outstanding advance is due to the extended indications for resection of hepatic metastases and to the use of new chemotherapeutic drugs (fluoropyrimidine, irinotecan and oxaliplatin) and monoclonal antibodies (bevacizumab, cetuximab and panitumumab). However, none of these treatments is curative and the majority of patients are overwhelmed by the illness. The first line of treatment for MCRC is FOLFOX and the second, irinotecan plus cetuximab for patients with wild type KRAS gene (60%) with a 30% responses, and bevacizumab plus irinotecan with a 5-10% of responses, in patients with mutated KRAS (40%). A treatment with autologous dendritic cells (DCs) pulsed with autologous tumour antigens is proposed as a third line of therapy. A randomized phase II trial would be performed, by selecting two groups of patients, one of them would be treated with the best supportive treatment and the other with DCs plus the best supportive treatment. The aim of the study would be to analyze the outcome after 4 months of treatment. In patients treated with DCs, IFN- γ spot forming cells and proliferative responses would be determined pre and post treatment in lymphocytes stimulated with autologous DCs pulsed with autologous tumour antigens. Pre and post treatment serum levels of IFN- γ , TNF- α , TGF- β e IL-12, would also be measured.

Furthermore, we would try to generate CRC cell lines, derived from tumour samples of the patients included in the trial, and we will use the antibodies of **ImmunoTools** to characterise the expression of different molecules in the cell surface.

ImmunoTools IT-Box-139 for Miguel Caballero Baños includes 100 antibodies

FITC - conjugated anti-human CD1a, CD3, CD4, CD5, CD6, CD7, CD8, CD14, CD15, CD16, CD19, CD21, CD25, CD29, CD35, CD36, CD41a, CD42b, CD45, CD45RA, CD45RB, CD45RO, CD49d, CD53, CD57, CD61, CD63, CD80, CD86, HLA-DR, IL-6, Control-IgG1, Control-IgG2a, Control-IgG2b, Annexin V

PE - conjugated anti-human CD3, CD4, CD8, CD11b, CD15, CD14, CD18, CD19, CD20, CD21, CD22, CD31, CD33, CD38, CD40, CD45, CD45RB, CD50, CD52, CD56, CD58, CD62p, CD72, CD95, CD105, CD147, CD177, CD235a, HLA-ABC, IL-6, Control-IgG1, Control-IgG2a, Control-IgG2b, Annexin V

PE/Dy647 -tandem conjugated anti-human CD3, CD4, CD8, CD14, CD19, CD20, CD25, CD54

APC -conjugated anti-human CD2, CD3, CD4, CD8, CD10, CD11a, CD11c, CD14, CD16, CD27, CD37, CD42b, CD44, CD45, CD59, CD62L, CD69, CD71, IL-6, Control-IgG1, Control-IgG2a, Control-IgG2b, Annexin V

[DETAILS](#)