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Manuscript Title:

Metronomic Capecitabine Inhibits Liver Transplant Rejection in Rats by Triggering Recipients' T Cell Ferroptosis

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Abstract:

BACKGROUND

Capecitabine (CAP) is a classic antimetabolic drug and has shown potential antirejection effects after liver transplantation (LT) in clinical studies. Our previous study showed that metronomic CAP can cause the programmed death of T cells by inducing oxidative stress in normal mice. Ferroptosis, a newly defined non-apoptotic cell death that occurs in response to iron overload and lethal levels of lipid peroxidation, is an important mechanism by which CAP induces cell death. Therefore, ferroptosis may also play an important role in CAP-induced T-cell death and play an immunosuppressive role in acute rejection after transplantation.

AIM

To investigate the functions and underlying mechanisms of antirejection effects of metronomic CAP...

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