

# Results reported by patients for the early detection of adverse effects linked to the immune system

Project

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Immune therapies are in the process of revolutionizing cancer patient care. For the first time, long term benefits are being achieved with respect to metastatic diseases. These novel approaches are characterized by new side-effects linked to the development of auto-immunity. They can affect all organs, including the colon, the lung, the skin and the nervous system. These side effects can be counteracted efficiently, provided they are detected at an early stage. The speed at which auto-immune side effects are diagnosed is therefore a crucial factor in the care of patients undergoing immunotherapy. In order to improve medical care quality and the speed at which side effects are detected in these patients, we suggest using novel and innovative methods to ensure maximum involvement of the patients as actors of their own caregiving. More specifically, we suggest using results reported by the patients themselves and electronic applications to enable earlier detection of auto-immune side effects. We aim to demonstrate that early detection makes it possible to reduce the immunosuppression required to control these side effects and to improve their management by means of other support care measures. Using such an approach, it may be possible to improve the care of patients, both in terms of their active participation in their own care and quality of life, and their global prognosis regarding the disease. If a positive result is obtained, it may be feasible to apply these strategies to all patients in our institutions.