

PROJECT TITLE

Surgery for Mesothelioma After Radiation Therapy using Exquisite Systemic Therapy with induction low dose cyclophosphamide and adjuvant PD-1/PD-L1 inhibitor - the SMARTEST trial



PRINCIPAL INVESTIGATOR

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SCIENTIFIC SUMMARY

Mesothelioma is caused by professional or environmental exposure to asbestos. Even if detected at an early stage, about half of the people with this diagnosis die from their tumour within 1.5 years. In previous studies, the de Perrot team demonstrated that it is feasible and efficient to treat mesothelioma by combining a short course of radiation targeting the whole tumour followed by surgery one week later. Using this concept, they observed that patients could be freed from their tumour for an average of up to four years in early-stage mesothelioma. They now plan to refine the process by modulating the immune system to optimize the long-term benefit of this approach and potentially achieve a cure in early-stage mesothelioma.