Living after non-epithelial ovarian cancer: Chronic fatigue, quality of life and long term side effects of chemotherapy – Vivrovaire Rare Tumors/ INCa French Network for Rare Malignant Ovarian Tumors (TMRO) - GINECO

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BACKGROUND

- Standard of treatment of Ovarian Germ Cell (GCT) and Sex Cord Stromal (SCST) Tumors mainly involves conservative surgery combined with chemotherapy (CT) [Bleomycin, Etoposide and Cisplatinum (**BEP**)] depending on the stage and the prognostic factors, by analogy with CT regimen prescribed for testicular cancers.
- Several long term side effects of BEP among testicular cancer survivors were identified:
 - ✓ **27%** of patients reported **long term chronic fatigue** compared with 10% in men of general population
 - ✓ **Chronic fatigue** is **strongly associated with poor quality of life (QoL)** and **multiple psychological and somatic problems**
 - ✓ Patients have **2 to 3 times greater risk of cardiovascular disease**, and **metabolic syndrome** compared with the general population
 - ✓ Other toxicities : **pulmonary, renal, neurological and ototoxicity.**

These **side effects** have **not been evaluated** among **OGCT and OSCST survivors**

VIVROVAIRE TR study is conducted in 2 steps aiming to assess **1) chronic fatigue and QoL** and **2) long term side effects** of CT with a particular focus on cardiovascular and pulmonary disorders, and neurotoxicity among GCT and SCST survivors.

METHODS

Study design

VIVROVAIRE TR : Multicentric Case-control study

INCa French Network for Rare Malignant Ovarian Tumors (TMRO)

EXPECTED RESULTS

- This study is the opportunity to evaluate the **impact of long term side effects of CT** on **chronic fatigue** and **QoL** among a **large population** of **rare ovarian cancer survivors** at **long-term post-treatment**.
- For the first time, this study will provide important data on potential **long term physical side effects of CT**, especially **cardiovascular and pulmonary disorders, and neurotoxicity** using **rigorous measurements methods**.

- ✓ Based on expected results, **intervention strategies** could be proposed to **improve the management of these patients during treatments and at long-term follow-up**.
- ✓ Expected findings may be helpful for **modifying strategies for care** and **post-treatment modalities of follow-up**.
- ✓ The identification of **long term side effects** contributes in the **development of recommendations regarding practices and CT regimens** in order to **reduce toxicity while maintaining efficacy**.