OBJECTIVES AND METHODS

• Pre- and post-treatment omental biopsies were obtained from a total of 45 patients with advanced ovarian cancer undergoing platinum-based neoadjuvant chemotherapy.

• FFPE tissue was assessed for availability of material for RNA purification. Hematoxylin and eosin stained slides were reviewed by an expert pathologist and tumor samples containing at least 50% of tumor cells were selected for RNA extraction.

• T-cell density and phenotype, immune activation, and markers of cancer-related inflammation were measured.

• Nanostring platform, PanCancer Immune Profiling Panel (IO 360 Panel) was used to perform multiplex gene expression analysis of 770 genes from 24 different immune cell types, common checkpoint inhibitors, CT antigens, and genes covering both the adaptive and innate immune response.

REFERENCES


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CONCLUSION

• NACT may promote an immune modulatory effect that could improve or favour the further use of specific immunotherapy in HGSO patients.

• Further Next-Generation Sequencing analyses is ongoing.

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