

# headandneck 5000

Cancer of Unknown Primary (TCGA Project)

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**Scientific Outline**

**Summary**

**Cancer of unknown origin (CUP) represents 3-10% of all cancers diagnosed worldwide. It is defined as a histologically confirmed malignant tumour, incompatible with a primary neoplasm in the biopsy area, whose origin is not clear, despite performing a thorough clinical history characterisation, a complete physical examination, and basic complementary studies. As a result of this challenging situation, the primary tumour of the majority of CUPs (75%) cannot be identified. We aim to recruit a suitable number of CUP cases to be able to provide robust conclusions about the application of multi-omics and computational biology in the optimization of CUP management leading to demonstrate the impact in overall survival. Considering the Head and Neck 5000 cohort include up to 50 cases of CUPs, with complete clinical information and paired germline DNAs, as required for our study, we propose to perform a complete molecular characterization in these samples as part of the TCGA CUP project.**