

headandneck 5000

Assessing the validity of the EQ5D-5L Quality of Life questionnaire

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Keywords: EQ5D, EORTC, Validity, Head and Neck 5000, Head and Neck cancer, The EuroQol Group

Scientific outline

Summary: The primary aim of this study will look to validate the EQ5D-5L questionnaire in terms of patients with Head & Neck Cancer by assessing the repeatability, internal consistency and the construct validity. The questionnaire has already been validated in groups of patients with different chronic conditions, these currently include; cardiovascular disease, respiratory disease, depression, diabetes, liver disease, personality disorders, arthritis and stroke. By validating this measure we will be able confidently use this measure within future research questions. Our secondary analysis will look to assess the level of agreement between a head & neck cancer related QoL questionnaire (EORTC_c35) and the EQ5D.

Methods: Exploratory Data Analysis will be performed upon both the measures, EQ5D and EORTC. EDA will explore if large differences exist across demographics, treatment and cancer type to help inform later analysis. Statistical techniques will be used to validate the EQ5D measure. The measure will be compared to the results of a study looking at EQ5D on the general population, Devlin et al (2016). English values of the index identified values under 0 as a "worst than dead" state which we will explore to see if this is present within the H&N 5000 cohort. Once the primary validation and exploratory techniques have been applied our secondary analysis will look to compare two QoL measures, EQ5D and EORTC, for further validation.