

ARVO 2023

View Abstract

CONTROL ID: 3880189**SUBMISSION ROLE:** Abstract Submission**AUTHORS****AUTHORS (LAST NAME, FIRST NAME):** Semrov, Ana¹; Tadic, Valerija²; Cortina Borja, Mario¹; Rahi, Jugnoo¹**INSTITUTIONS (ALL):** 1. Great Ormond Street Institute of Child Health, Population, Policy and Practice, University College London, London, United Kingdom.

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Commercial Relationships Disclosure: Ana Semrov: Commercial Relationship: Code N (No Commercial Relationship) | Valerija Tadic: Commercial Relationship: Code N (No Commercial Relationship) | Mario Cortina Borja: Commercial Relationship: Code N (No Commercial Relationship) | Jugnoo Rahi: Commercial Relationship: Code N (No Commercial Relationship)**Study Group:** Resilience Study Group**ABSTRACT****TITLE:** Determinants of vision-related quality of life of children and young people with visual impairment**ABSTRACT BODY:****Purpose:** To investigate the broader individual, family, and environmental factors associated with vision-related quality of life (VQoL) of children and young people with visual impairment (CYP-VI), in order to identify modifiable factors that could be targets for intervention.**Methods:** Cross-sectional study included 152 CYP-VI aged 7-18 years (visual acuity of logMAR 0.5 or worse, comprising moderate and severe visual impairment and blindness in ICD11) attending 22 Paediatric Ophthalmology Departments in the United Kingdom who participated in the final phase of our programme to develop two vision-specific patient-reported outcome measures (PROMs), Vision-Related Quality of Life (VQoL_CYP) and Functional Vision (FV_CYP) Questionnaires for Children and Young People. CYP-VI self-completed the two PROMs. Associations with family, sociodemographic characteristics (reported by their carers), and clinical factors (derived from their clinical records) were analysed using Spearman's correlation coefficient, Kruskal-Wallis, Wilcoxon rank-sum tests and quantile regression models.**Results:** The median VQoL score was 55.58 (IQR=12.06, min=17.08, max=100.00), where higher scores indicate better VQoL. Better VQoL was associated with better FV overall ($r=-0.516$, $p<0.001$), parent-reported absence of additional chronic conditions ($p=0.010$, $d_{\text{Cohen}}=0.457$), attending mainstream (versus other) school ($p=0.013$, $d_{\text{Cohen}}=0.439$), higher socio-economic status ($r=0.173$, $p=0.038$) and higher parental education level ($r=0.201$, $p=0.018$). Other child (gender, ethnicity), clinical (severity of visual impairment, onset of vision loss, rate of vision deterioration), and family (parent's age, ethnicity, employment status; number of siblings, birth order; siblings and parent's vision and medical status; housing tenure, cars owned) were not associated with VQoL scores. Final quantile regression model included functional vision (FV) scores and presence of additional health condition.**Conclusions:** Both clinical characteristics as well as non-health-related factors should be considered when assessing vision-specific outcomes of CYP-VI. Our findings and further research on other potential determinants of VQoL are useful to develop recommendations and interventions to promote better VQoL and to support healthcare professionals to provide more personalised approach towards their patients' care.

(No Image Selected)

DETAILS**PRESENTATION TYPE:** #1 Poster, #2 Paper : Travel Award Applicant**CURRENT REVIEWING CODE:** 3350 Quality of life - LV**CURRENT SECTION:** Low Vision Cross-sectional group**Clinical Trial Registration (Abstract):** No**Other Registry Site (Abstract):** (none)

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