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## Abstract 1105

### DESIGN OF THE RETINOPATHY DEPENDENT QUALITY OF LIFE MEASURE AND RETINOPATHY TREATMENT SATISFACTION QUESTIONNAIRE

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**AIMS:** Measures of the impact of diabetic retinopathy on quality of life (QoL) and satisfaction with diabetic retinopathy treatments are needed to evaluate current and future therapies. This study aimed to incorporate patients' views in designing measures to meet those needs. **METHODS:** Qualitative and quantitative methods were used in semi-structured interviews with 44 people with diabetic retinopathy (11 in each of 2 UK and 2 German hospitals). Interviewees described how QoL would be different if they did not have diabetic eye problems, their experiences of retinopathy treatments and views on possible new therapies. They completed and commented on a draft Retinopathy Dependent QoL measure (RetDQoL) and Retinopathy Treatment Satisfaction Questionnaire (RetTSQ), each modelled on an established diabetes measure (ADDQoL and DTSQ respectively). Drafts were revised and translated between centres, incorporating patient views. The interviews were content analysed. **RESULTS:** Interviewees were 26 men, 18 women; median age 60.8 (range: 28-82), with background or proliferative retinopathy ranging in severity (1 or 2 eyes); median visual acuity better eye 0.80 (range: 0.0025 (hand motion only) to 1.20 (6/5 vision)). The 26-domain individualised RetDQoL and 13-item RetTSQ have face and content validity for people with diabetic retinopathy. Visual impairment, worries and advice to restrict movement impaired many aspects of QoL. Satisfaction dimensions included treatment effectiveness, emotional and physical experiences (before, during and after treatment), information provision and influence over treatment. **CONCLUSIONS:** The RetDQoL and RetTSQ are relevant and acceptable to a wide range of people with diabetic retinopathy in two European countries. They will be useful in evaluating current and future therapies in research and clinical contexts. The next step is to use them in trials with numbers sufficient for psychometric validation.

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