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Eye movement behaviour of patients with visual field defects

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- 1.) Participants with visual field defects show fundamentally different eye movement behavior from normal-sighted participants during free-viewing of video clips.
- 2.) Free-viewing is an experimental paradigm, which is enjoyable for the participants and could potentially provide us with insights into reasons for difficulties of people with VFD in daily life.
- 3.) A free-viewing paradigm is not suitable to reconstruct the size and location of a VFD, as it does not lead to viewing behavior where saccade end points are distributed across the entire visual field.
- 4.) Differences in the ability to perform daily life tasks of different individuals with a VFD may be attributed to differences in their ability to develop compensatory strategies.
- 5.) It can be practical to simulate VFD to test different methods to analyze free viewing eye movement data.
- 6.) People in vision rehabilitation therapy are very motivated to use new technologies such as virtual reality and eye tracking to train their eye movement scanning patterns during mobility related exercises.
- 7.) Combining VR and eye tracking opens up an abundance of possibilities to support people with VFD

to develop coping strategies for different daily life situations.

8.) "If we knew what we were doing, it would not be called research, would it?"

- *Albert Einstein*