

**Additional file 1: Interview guide patient interviews.**

<b>Sequence</b>	<b>Topic</b>	<b>Question</b>
<b>Introduction</b>	About the stroke	Welcome statement When was your stroke? How do you feel today? What is the main problem for you today with your arm?
	Prior experience with virtual reality	What prior experiences have you had with virtual training? Do you have any prior knowledge of virtual training? How comfortable did you feel with computer systems prior to your stroke?
<b>Main part</b>	Virtual reality training system	What have you experienced with the YouGrabber?
	Start of the intervention	How was your first experience with YouGrabber? What did you expect from the first session? How did you feel during the first session? What did you expect from the first intervention?
	Virtual reality training system	What were your apprehensions concerning that intervention? What did you like/dislike in the intervention? What was easy/difficult at the beginning with the device? What was the main experience with YouGrabber? How did you like it? How, in your opinion, can YouGrabber help you to achieve your goals? What do you think about the YouGrabber intervention? How did you feel during and after the intervention? What did you expect at the end of the training program? Have your expectations changed? What were your concerns at the end of the training session? Did your concerns change?
	Motor function	Did something (arm function) change over the training period? (in the therapy, in daily life, at home?)
	Virtual reality training system	What was easy/difficult at the end of the training program?
	Therapist role	What was the therapist role?
	Virtual reality training system	What would you have changed, if anything?
<b>Closing questions</b>	Virtual reality training system	Any comments or do you want to add something? If you could change anything in the intervention or the device, what would it be?
	Interview	Final summary from the researcher and the participant. How did you feel about the interview? (stressful, agreeable, difficult)