## Supplemental Table S1. Overall opinion of patients and suggestions for improvement regarding the teletreatment

Theme mentioned	Example statements
by patients (N/%)	
Perceived benefits (13/57)	
<ul><li>Reduction pain and/or medication</li></ul>	■ In case of acute pain attacks, it acts like a strong drug and immediately reduces my pain by 90% (Male, 37 yrs)
<ul> <li>Cognitive functions and/or sense of control, self-efficacy</li> </ul>	■ In the past I was very anxious because of the pain, now I am a lot more confident because I can control my pain (Female, 78 yrs)
	It helped me to focus on the missing limb and to increase my awareness (Male, 58 yrs)
Body image/perception of the phantom	<ul> <li>During the exercises, the telescoping sensation changed towards the perception of a normal leg (Male, 33 yrs)</li> </ul>
<ul><li>Availability/Mobility</li></ul>	<ul> <li>I used the tablet on business trips to China in the airplane or in the hotel (Male, 44 yrs)</li> </ul>
■ Independence regarding time and place	<ul> <li>I can decide myself where and whenever I want to do my exercises, which is a big advantage (Female, 70 yrs)</li> <li>I prefer doing my exercises on the balcony in the sun (Male, 66 yrs)</li> </ul>
■ Integration daily routine	■ The tablet lay on my bedside table, and I used it at night when the pain appearedotherwise I had to go down in the room and set up the mirrorI probably wouldn't have used it (Male, 58 yrs)
Ease of use and conformance with user requirements (9/39)	<ul> <li>It was really easy to use, I can't imagine that other patients have problems when using it (Male, 62 yrs)</li> <li>The occupational therapist at the clinic is instructing it as well, but not that idiot-proof (Male, 62 yrs)</li> <li>There is everything in that you need (Male, 44 yrs)</li> </ul>
	<ul> <li>Sufficient depth and diversity within a loose atmosphere (Male, 66 yrs)</li> </ul>
Providing guidance (10/44)	<ul> <li>At home, you don't know exactly how and what to do…it provided a good structure so I exactly knew what to do (Female, 47 yrs)</li> <li>During the training a lot of questions appear; I could get in contact with my therapist to answer these questions (Male, 37 yrs)</li> </ul>
	<ul> <li>I am using it every day at the same time, this gives me structure (Female, 78 yrs)</li> </ul>
Aspects related to digital exercise programs (11/48)	ram doing it every day at the came time, the gives me chaotars (remais, re yie)
■ Vividness/realism	<ul> <li>The simple exercises had most effect, the complex ones distracted me too much from the mirror image and I focussed more on the intact leg (Male, 66 yrs)</li> </ul>
	<ul> <li>The simpler the exercises, the more vivid and real the visual image (Male, 44 yrs)</li> </ul>
■ Tailoring	■ In the beginning, I had to find the most effective exercises because only some of them had effect, so I think every patient has to make an individual selection (Male, 66 yrs)
<ul> <li>Traditional mirror therapy vs. teletreatment</li> </ul>	<ul> <li>I was astonished how real the image on the tablet was; it was equivalent to the mirror image and at the same time more flexible and comfortable (Male, 44 yrs)</li> </ul>
	<ul> <li>I perceived the mirror image more as my own leg and I better connected with my phantom compared to seeing my leg on the display (Male, 79 yrs)</li> </ul>
	<ul> <li>I got in contact with my phantom more easily by using the tablet, I suppose because I did my exercises while lying relaxed on the couch (Male, 33 yrs)</li> </ul>

Technical problems and difficulties	
handling the tablet (12/52)	
<ul> <li>Data transfer</li> </ul>	It often took a long time until data were transferred (Male, 82 yrs)
Internet connection	■ The program should also be available offline, because mobile internet isn't always that good (Male, 44 yrs)
<ul> <li>Bugs regarding e.g. exercise program</li> </ul>	<ul> <li>When I chose a lot of exercises, the program sometimes stopped in between and I had to start again (Female, 78 yrs)</li> </ul>
<ul> <li>Problems handling the tablet</li> </ul>	<ul> <li>It took me some time until I knew how to hold the tablet to get a proper image of my amputated leg (Female, 47 yrs)</li> </ul>
	■ The position of the tablet's camera is not in the middle so I see my intact leg on the screen and at the same time
	the image of the other limb which doesn't fit (Male, 33 yrs)
	When I used the mobile mirror therapy I still saw the gap between the amputated limb and the tablet (gap),
	perhaps virtual reality could solve this (Male, 37 yrs)
Instruction, personal contact and	
feedback (5/22)	
■ Introduction to teletreatment	<ul> <li>The therapist came a long for 5 minutes and gave me the tablet without further explanation and I wasn't technologically skilled so I didn't use it at home (Male, 77 yrs)</li> </ul>
	<ul> <li>The tablet arrived too late, so we weren't able to discuss the mobile mirror therapy program, that's why I did not perform these exercises at home (Male, 82 yrs)</li> </ul>
■ Technical support	<ul> <li>I never used such a thing before, it was useful that my daughter supported me until I knew how to use it (Female, 70 yrs)</li> </ul>
<ul><li>Personal therapist</li></ul>	<ul> <li>The personal contact with the therapist was important to me, otherwise it wouldn't have worked (Male, 82 yrs)</li> </ul>
	<ul> <li>I was uncertain whether the therapist received my messages because I didn't get feedback (Female, 47 yrs)</li> </ul>
<ul><li>Other patients</li></ul>	I used the chat several times but there was only limited response, I wished other patients would have used it more
	to exchange experiences (Male, 38 yrs)
Suggestions for improvement (7/30)	
More variation in exercises	<ul> <li>When I have chosen my favourite exercises, the program should offer me a random selection from these exercises to make the training more diverse and challenging (Male, 48 yrs)</li> </ul>
Personalize instructions	■ The standard exercise instructions of 10 repetitions don't fit my personal preferences. For more complex exercises 3-4 repetitions were sufficient, whereas for simple exercises more repetitions were useful. The goal is to achieve an preferably intense sensation, that's how the program should instruct it (Male, 37 yrs)
Messaging	It would be useful that a can correct my messages when I sent them by mistake (Female, 78 yrs)
	■ These automated reminders aren't necessary, if you have a clear goal you don't need that (Male, 66 yrs)
Operating system	I have an Android tablet myself, so it's a pity that there is only an iOS version available (Male, 66 yrs)