

**Online Appendix B.** *Examples of excluded questionnaires.*

| Reasons for exclusion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Examples of questionnaires/items                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Questionnaires assessing patients' preferences, perceptions, attitudes, needs and satisfaction with relevant themes (e.g., information/knowledge, involvement in treatment, decision-making etc.), since they did not provide any insight into the process or outcome of empowerment.<br>E.g., they showed how much information or what kind of information patients prefer, but do not elucidate how much information patients possess or their ability to gain and understand relevant information. Or they showed patients' attitudes towards being involved in taking decisions and their preferences in that respect, but not their actual involvement<br>They did not necessarily say anything about the level of empowerment | The cancer needs questionnaire (CNQ) [1]<br>The satisfaction with cancer information profile (SCIP) [2]<br>The patient attitudes and beliefs scale (PABS) [3]<br>The considerations concerning cancer information questionnaire (CCCI) [4]<br>Colorectal cancer patients' attitudes towards involvement in decision-making [5]<br>Information needs and decision-making preferences in women with breast cancer [6]<br>The Cancer Patients' Health Care Preference Questionnaire [7]<br>Measure of Patients' Preferences (MPP) [8]<br>Information Satisfaction Questionnaire (ISQ) [9]<br>The supportive care needs survey [10]<br>Self-Assessed Support Needs of women with breast cancer Scale [11]<br>The information Styles Questionnaire [12]<br>The patient information/satisfaction questionnaire [13]<br>Patient satisfaction with cancer treatment education (PS-CaTE) questionnaire [14]<br>The EORTC IN-PATSAT32[15]<br>REPERES-60 [16]<br>Ryff's Psychological Well-Being Scales (PWB) [17]<br>The Patient Satisfaction With Logistical Aspects of Navigation (PSN-L) Scale [18]<br>The Rapid Estimate of Adult Literacy in Medicine (REALM) [19] assessed patients' ability to read and pronounce specific medical terms |
| Questionnaires assessing knowledge and information if they assessed whether patients possessed a very specific type of knowledge or specific types of knowledge assessment skills.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | The Health Graphicacy measure [20] assessed patient's ability to read and understand graphical representations of breast cancer risk<br>The knowledge of care options (KOCO) instrument [21] assessed patients' knowledge of palliative care and hospice care                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Questionnaires judged as being too specific                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | The Complementary Therapy Rating scale [22] measures the types of complementary therapy patients use or would consider using                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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|                                                                                                                                                                          | The PSEFSM instrument [23] measures perceived self-efficacy for fatigue self-management                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                          | The DECISIONS Survey [24] measures one specific health care decision.                                                                                                                                                                                                                                                                                                         |
| Questionnaires too general in their scope (e.g., items did not explicitly relate to the illness or the healthcare system).                                               | The Nowotny Hope Scale [25] measures hope following a stressful event (e.g., “When faced with a challenge, I am ready to take action”, “I have confidence in my own ability”, “I know I can accomplish this task”, “I want to maintain control over my life and my body”, etc.).                                                                                              |
|                                                                                                                                                                          | The Jalowiec Coping Scale (JCS) [26] (e.g., “Tried to find out more about the problem”, “Set up a plan of action”, “Talked the problem over with someone who had been in a similar situation”, etc.)                                                                                                                                                                          |
|                                                                                                                                                                          | The COPE scale [27] (e.g., “I try to get advice from someone about what to do”, “I talk to someone to find out more about the situation”, “I make a plan of action”, “I talk to someone who could do something concrete about the problem”, “I try to come up with a strategy about what to do”, “I ask people who have had similar experiences what they did”).              |
|                                                                                                                                                                          | The General Self-Efficacy Scale (GSE) [28]                                                                                                                                                                                                                                                                                                                                    |
| Questionnaires that focused on the absence of empowerment, but, even with a low score, it would not be possible to conclude the presence of empowerment.                 | The Mishel Uncertainty in Illness Scale (MUIS) [29] measures the role of uncertainty in illness and recovery (e.g., “My treatment is too complex to figure out”, “They give me so much information that I cannot tell what is most important”, “I don’t know what is wrong with me”, “The doctors say things to me that could have many meanings”).                           |
| Questionnaires with empowerment related items that were formulated as a fictional situation, even though it could be argued that they in some way measure self-efficacy. | The Michigan Assessment of Decision Style (MADS) [30] measures pre-decision-making behaviour (e.g., “I would develop a plan for gathering further information”, “I would read magazines and articles about different treatments”, “I would ask about the risks involved with each treatment alternative”, “I would ask a lot of questions concerning the treatment options”). |
| Questionnaires focusing on having power/control over the illness.                                                                                                        | The Cancer Locus of Control Scale[31]<br>The Illness perception questionnaire (IPQ)[32]                                                                                                                                                                                                                                                                                       |

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