Development of the Adolescent Cancer Suffering Scale

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BACKGROUND: While mortality due to pediatric cancer has decreased, suffering has increased due to complex and lengthy treatments. Cancer in adolescence has repercussions on personal and physical development. Although suffering can impede recovery, there is no validated scale in French or English to measure suffering in adolescents with cancer.

OBJECTIVE: To develop an objective scale to measure suffering in adolescents with cancer.

METHODS: A methodological design for instrument development was used. Following a MEDLINE search, semistructured interviews were conducted with adolescents 12 to 19 years of age who had undergone four to six weeks of cancer treatment, and with a multidisciplinary cohort of health care professionals. Adolescents with advanced terminal cancer or cognitive impairment were excluded. Enrollment proceeded from the hematology-oncology department/clinic in Montreal, Quebec, from December 2011 to March 2012. Content validity was assessed by five health care professionals and four adolescents with cancer.

RESULTS: Interviews with 19 adolescents and 16 health care professionals identified six realms of suffering: physical, psychological, spiritual, social, cognitive and global. Through iterative feedback, the Adolescent Cancer Suffering Scale (ACSS) was developed, comprising 41 questions on a four-point Likert scale and one open-ended question. Content validity was 0.98, and inter-rater agreement among professionals was 88% for relevance and 86% for clarity. Adolescents considered the scale to be representative of their suffering.

CONCLUSIONS: The ACSS is the first questionnaire to measure suffering in adolescents with cancer. In future research, the questionnaire should be validated extensively and interventions developed. Once validated, the ACSS will contribute to promote a holistic approach to health with appropriate intervention or referral.

Key Words: Adolescents; Cancer; Pediatric cancer; Questionnaire; Scale development; Suffering

Cancer is the leading disease-related cause of death in Canadians one to 19 years of age (1). Survival rates have improved over recent years (2), largely as a result of newer and more complex cancer treatments. Nonetheless, these therapeutic modalities have also increased patient suffering (3).

A cancer diagnosis in adolescence has major implications on personal and physical development because this is a pivotal period of growth and maturation (4). Cancer and anticancer therapies are associated with pain and fatigue (5,6); they also affect body image (4,7), self-esteem (8), relationships and peer acceptance (9). Furthermore, the adolescent patient and his or her peer group are suddenly faced with addressing premature mortality, whether one's own or that of a peer.

Various studies have attempted to describe suffering in adolescents. A qualitative study on adolescents with cancer revealed an “indescribable” and “embodied” suffering (10). Participants in the study were unable to pinpoint which symptoms caused them the most suffering because all were difficult to bear; every aspect of the disease engendering suffering in some way (10). Suffering was also associated with loss (loss of health, loss of control) (11,12). It was continually changing in quality and occurred at all stages of the disease, from early symptoms to diagnosis to remission and/or palliative care (12,13). A diagnosis of cancer was perceived by many patients as a death sentence (12,14).

Suffering is defined as a subjective, complex experience associated with deep emotional distress (15,16), a response to a threat or injury to
The aim of the present study was, therefore, to develop a scale to measure suffering in North American adolescents diagnosed with cancer. It will allow nurses and clinicians to recognize and document suffering in their patients and be able to intervene efficiently or refer for appropriate consult.

METHODS

Conceptual model and design
Due to the paucity of literature with regard to questionnaires investigating suffering, the conceptual model was based on the components of the quality of life model in cancer survivors described by Ferrell (22). Ferrell defined quality of life from a multidimensional perspective including four domains of patient well-being: physical, psychological, social and spiritual. Although distinct, each domain is able to influence the others (22,23). This model is particularly relevant to suffering because it recognizes its multidimensional aspect and because suffering could often derive from a poor quality of life. Figure 1 presents the model adapted for the present study. Age was included as a crucial determinant in adolescents. A diagnosis of cancer during this period of transition exacerbates personality issues, with treatment-induced changes in physical appearance and an altered self-image (4,8,9). The characteristics of each domain were also adopted to fit the concept of suffering. For scale development, the methodological design described by Streiner and Norman (24) was used, as well as steps proposed by Le May et al (25) for instrument development.

Participants
All participants, including patients and health care professionals, were recruited from the Hematology/Oncology Department of a pediatric teaching hospital and its associated outpatient clinic in Montreal, Quebec. The study was approved by the institutional review board. Participants ≥18 years of age provided written informed consent; minor participants gave assent along with written consent from their parents/legal guardians.

A convenience sampling method was used for patient recruitment. Enrollment occurred between December 2011 and March 2012. Patients were eligible if they were 12 to 19 years of age at the time of enrollment; had been diagnosed with cancer; had previously completed four to six weeks of cancer therapy (to have experienced treatment and related side effects); were aware of their illness, treatment plan and side effects; and could speak, read and understand French.

Patients were excluded if they: had advanced terminal cancer; had cognitive impairment according to medical records including autism, dyslexia or mental disability; or were in remission for >1 year (to avoid memory loss bias).

Health care professionals were recruited through purposive sampling to maximize information (26). To better understand the concept of suffering from different perspectives, caregivers and researchers from various specialties (nursing, medicine, clinical psychology, experimental psychology, spiritual care, art therapy and music therapy) were recruited. Clinicians working at the pain clinic and in palliative care were also included. There were no other criteria such as age requirement or minimum years of experience.

Data collection
To obtain data regarding patient suffering over the course of the disease, one author (CK) conducted individual interviews with participants. For patients, the interviews were held in a private office at the clinic or in the patient's room; for health care professionals, they were held in their office. The interviews were semistructured, based on a list of open-ended questions (Table 1) that were compiled from the literature on suffering and adolescent experiences with cancer as well as from the authors’ clinical expertise. Each question was adapted

TABLE 1
Open-ended questions to elicit item generation during semistructured interviews with participants

| Question                                                                 |
|--------------------------------------------------------------------------|
| 1. How would you describe your/your patients’ overall experience with cancer? |
| 2. How did cancer affect each of the following aspects of your/your patients’ life: a) physical, b) psychological, c) spiritual and d) social well-being? |
| 3. How would you describe suffering and its manifestations? |
| 4. Which treatment(s) caused or causes you/your patients the most suffering? |
| 5. Within the entire cancer spectrum, what caused or causes you/your patients the most suffering? |
| 6. Do you have any additional comments you would like to add to describe suffering in your/your patients’ lives as teenagers with cancer? |
to either the patient or health care professional context. Audiotaped interviews were transcribed by a professional secretary to facilitate analysis.

Item generation
A MEDLINE search was performed to identify key components to include in a questionnaire on suffering, using the following key words: suffering, adolescents, cancer, questionnaire, scale and instrument. Once the participants had been interviewed, the Corbin and Strauss method of immersion, coding, categorization and grouping was used to analyze the content of the interviews and communications (27). Each transcript was read several times to increase sensitivity for identifying cues and meanings (immersion). The authors examined the data and contextual references, made constant comparisons and searched for differing meanings of words (27). Line-by-line analysis was performed to assign appropriate codes to meaningful units, using MAXQDA 10 Plus (VERBI GmbH, Germany), a qualitative data analysis software.

Codes were then counted for repetition and identification of categories (categorization). The purpose of this quantification was to determine the most recurrent codes that should be addressed in the scale (grouping) as well as the percentage of items (questions) that should be assigned to each category. Two of the coauthors were experts in qualitative content analysis (FD) and pediatric oncology (MFV, FD). Based on their judgment, the authors agreed on the codes to be included.

Item reduction
Reduction of items was performed by the principal investigator and two coauthors, by selecting the most relevant items according to the criteria proposed by Streiner and Norman (24) such as interpretability, reading level, ambiguity and length of items. To enhance the credibility of this preliminary version of the scale, the process was repeated by an external reviewer, who was a physician with experience in oncology and research; this was followed by peer debriefing for comparison.

Content validity
Content validity was assessed by submitting the reduced pool of items to a panel of five health care professionals of various specialties (from the group already interviewed) and four new patients (using the same inclusion/exclusion criteria). These numbers were chosen based on recommendations in Rubio et al (28) to assure expertise and diversity of knowledge. Each health care professional was asked to indicate, on the response form, the relevance of each item on a Likert scale ranging from 1 to 4, as per Rubio et al (28): 1, not relevant; 2, needs major revision to be relevant; 3, needs minor revision and 4, relevant. Item clarity was similarly tested. In addition, the patient group was asked to assess whether they understood each item and whether they could provide a response. Each of the two parts of the question was rated on a Likert scale ranging from 1 to 4: 1, very easy; 2, easy; 3, difficult; and 4, very difficult. If necessary, patients were asked to rewrite the item in their own words. This process helped to identify items that were irrelevant or unclear. As a final iteration, the same panel of patients and health care professionals was asked to review all the items on the list and to modify, add or delete any items still considered to be irrelevant or unclear.

Data analysis
Content validity responses were analyzed based on the method described by Rubio et al (28). Inter-rater agreement (IRA) was calculated for relevance and clarity of each item by dichotomizing the four-point scale, combining choices 1 and 2 together and 3 and 4 together. To determine the IRA of the entire scale, the number of items considered to be 100% relevant or clear (score of 4 on the Likert scale) was divided by the total number of items (28). The content validity index (CVI) was calculated for each item to indicate the overall rating of its relevance by health care professionals (28). The number of health care professionals who rated an item with a score of 3 or 4 was divided by the total number of health care professionals on the panel.

RESULTS

Table 2

| Characteristic                      | n (%)    |
|-------------------------------------|----------|
| **Sex**                             |          |
| Male                                | 13 (68.4)|
| Female                              | 6 (31.6) |
| **Age, years**                      |          |
| 12                                  | 1 (5.3)  |
| 13                                  | 1 (5.3)  |
| 14                                  | 2 (10.5) |
| 15                                  | 1 (5.3)  |
| 16                                  | 7 (36.7) |
| 17                                  | 4 (21.1) |
| 18                                  | 3 (15.8) |
| **Number of siblings**              |          |
| 0                                   | 3 (15.7) |
| 1                                   | 8 (42.1) |
| 2                                   | 6 (31.6) |
| 3                                   | 1 (5.3)  |
| 4                                   | 1 (5.3)  |
| **Background**                      |          |
| Canadian                            | 16 (84.2)|
| Other                               | 3 (15.8) |
| **Cancer type**                     |          |
| Leukemia                            | 12 (63.1)|
| Lymphoma                            | 2 (10.4) |
| Adrenocortical carcinoma            | 1 (5.3)  |
| Liver cancer                        | 1 (5.3)  |
| Brain germinoma                     | 1 (5.3)  |
| Medulloblastoma                     | 1 (5.3)  |
| Osteosarcoma                        | 1 (5.3)  |
| **Treatment received**              |          |
| Chemotherapy                        | 19 (100) |
| Radiotherapy                        | 7 (36.8) |
| Surgery                             | 7 (36.8) |
| Bone marrow transplant              | 3 (15.8) |

The average CVI for all items combined represents the CVI of the scale. Rubio et al (28) suggested a cut-off of 0.80 for CVI or IRA per item to determine relevance and clarity for inclusion. Accordingly, items below that level were removed from the scale.

Participant characteristics
Of the 23 patients approached, four declined because they were very tired and did not wish to be interviewed, yielding a response rate of 83% (19 of 23). All 16 health care professionals approached agreed to participate. The sample of participants for item generation thus comprised 19 adolescent patients with cancer and 16 health care professionals.

The patient group consisted of 13 boys (68.4%) and six girls. The mean age was 15.9 years (median 16 years, range 12 to 18 years) (Table 2). Most patients were Canadian (84.2%) and almost two-thirds had a diagnosis of leukemia. All had previously undergone chemotherapy. All of the health care professionals had at least five years’ experience with the population of interest. The content validation panel was composed of five clinicians from the health care professionals group and four patients (two boys [13 and 15 years of age] and two girls [14 and 16 years of age]; mean age 14.5 years).

Item generation
Patient interviews for item generation lasted 11 min to 30 min each (mean 18 min); health care professional interviews lasted 11 min to
Figure 2) Flow chart showing the step-by-step development of the Adolescent Cancer Suffering Scale

56 min each (mean 26 min). The various steps of development of the Adolescent Cancer Suffering Scale (ACSS) are summarized in Figure 2.

Six themes emerged during the content analysis of the transcripts. The main themes and subthemes are presented in Table 3. In total, 2019 meaningful units were coded. Any subthemes that appeared with <10 codes within a particular theme were grouped together into the subtheme ‘Other’. Codes were identified if they related to the literature review themes and the four domains of the Ferrell Model (physical, psychological, social and spiritual). Two further themes emerged: cognitive suffering and global suffering. The codes were further classified into subcodes, which were included in the most meaningful category.

Most codes (n=740 [36.7%]) were associated with physical suffering, followed by 532 (26.3%) codes associated with psychological suffering. The extent to which adolescents with cancer had a tendency to protect their parents’ feelings was noticeable (51 codes, accounting for 12% of the social suffering domain), with social suffering having 423 codes (21%). Although spiritual suffering was not very recurrent during the interviews (n=111 [5.5%] codes), the quest for meaning and the sense of injustice were noteworthy. The new domain of cognitive suffering (n=59 codes [2.9%]) reflected the angst and frustration felt by many patients when experiencing delays in their studies compared with their peers, and/or learning difficulties after completing their treatment. Fatigue was cited as one of the causes of learning setbacks, as were difficulty concentrating and memorizing new information. Finally, 154 (7.6%) codes referred to global suffering, such as the in vivo code (label taken from the wording used by participants) “it’s difficult”. Signs associated with global suffering included isolation, unwillingness to talk or share feelings, exaggerated positive affect and engaging in high-risk behaviours.

| Types of suffering | Number of codes (n=2019) |
|--------------------|--------------------------|
| Physical           |                          |
| Alteration of body image (alopecia, weight change, self-image) | 208 (28.1) |
| Therapies (chemotherapy, radiotherapy, surgery, bone marrow) | 112 (15.1) |
| Pain               | 100 (13.5)               |
| Changes in mobility and functioning (movement restriction, lack of independence) | 94 (12.7) |
| Gastric difficulties (nausea, vomiting, loss of appetite) | 60 (8.2) |
| Fatigue            | 41 (5.5)                 |
| Other              | 125 (16.9)               |
| Psychological      |                          |
| Fear (of the unknown, of the future, of death, anxiety, stress, loss of hope) | 141 (26.5) |
| Mood swings (irritability, anger, sadness) | 131 (24.6) |
| Defence mechanisms (denial, difficulty accepting, trying to forget) | 79 (14.8) |
| Frustration and discouragement | 30 (5.6) |
| Other              | 151 (28.5)               |
| Social             |                          |
| Changed relationships with peers (diminished school rank/status, peer judgement, diminishing peer group, marginalization, loneliness) | 133 (31.4) |
| Changes in habits and activities of daily life (hospitalizations, doctors’ appointments, school absenteeism/dropped courses, sports/activities) | 128 (30.3) |
| Family concerns (protective attitude toward parents, need for constant support, sense of burden) | 51 (12.1) |
| Romantic relationships (difficulty initiating and/or maintaining) | 37 (8.7) |
| Other              | 74 (17.5)                |
| Spiritual          |                          |
| Existential (quest for meaning, sense of injustice) | 71 (64.0) |
| Religious (questioning faith, religious and transcendental meanings) | 35 (31.5) |
| Other              | 5 (4.5)                  |
| Cognitive          |                          |
| Delays/setbacks in academic studies | 23 (39.0) |
| Learning and reintegration difficulties | 12 (20.4) |
| Cognitive problems (attention, alertness, memory) | 11 (18.6) |
| Other              | 13 (22.0)                |
| Global             |                          |
| Signs of suffering (isolation, silences, distraction) | 109 (70.8) |
| Difficulty adjusting (“It’s difficult”) | 20 (13.0) |
| Other              | 25 (16.2)                |

Data presented as n (%)

Content validity
IQA: The IRA was calculated for the answers provided by the five health care professionals (content experts) and four adolescent patients (lay experts) regarding relevance and clarity. Based on the percentage of items rated as 100% relevant, the IRA for relevance among health care professionals was 88%, versus only 49% among patients, for an overall IRA of 40%. Similarly, the IRA for clarity was 86% and 74%, respectively, for an overall 63%.

CVI: The CVI represented feedback by the five health care professionals regarding the content of each item and of the scale as a whole. Only five items had a CVI of 0.80; the remainder had a CVI of 1. The CVI for the overall scale was 0.98.
Wording assessment: The group of four adolescent patients considered 36 (84%) of the items to be very easy to understand and 32 (74%) very easy to answer (on a Likert scale ranging from 1, very easy, to 4, very difficult). Some of the items rated as more difficult to answer were the same as those rated difficult to understand, such as, “I can’t use my body as I’d like to” (free-style translation). Others needed to be more specific, such as, “I find it hard to cope with treatments” (free-style translation). Overall, however, the lay expert group rated the scale as representative of their experience with cancer and anti-cancer therapies.

The ACSS

Based on the feedback from content and lay experts, the final version of the ACSS was revised to 41 items and one open-ended question that allowed the adolescents to express any issues related to their suffering that were not included in the scale (Appendix 1). The ACSS is a self-administered questionnaire that takes approximately 5 min to 10 min to complete. Responses are on a four-point Likert scale: 1, never; 2, occasionally; 3, most of the time; and 4, always; with an additional choice of N/A (not applicable). The total score is the sum of responses to each item. The greater the score, the greater the suffering. The ACSS questionnaire also includes several reversed items to avoid the bias of acquiescence, or the tendency to check similar responses regardless of import (24). Therefore, the scores of items 14, 15 and 32 should be inverted before the total score is computed. Negatively worded items, such as ‘not’ or ‘never’, were avoided for clarity (24).

DISCUSSION

Inspired by the work of Cassell (29) and Kahn and Steeves (30), research in the past few decades has increasingly focused on suffering as a distinct element from physical pain. To our knowledge, we have developed the first North American or European scale to measure suffering in adolescents with cancer. A rigorous process of instrument development has yielded the ACSS, which incorporates six domains: physical, psychological, social, spiritual, cognitive and global suffering. It was designed to reflect the items most frequently mentioned in the literature and in interviews with the two populations of interest: adolescents with cancer and cancer care professionals. Combined with a nurse's intimate knowledge of the patient, the ACSS can be included in the patient's chart to facilitate handover at nursing shift changes or used during follow-up for extended treatments and/or recurrences specific to cancer. These considerations should make the ACSS a valuable tool in the assessment of suffering, enabling accurate referral and intervention.

Although the main elements of the model described by Ferrell (22) are common to most of the studies investigating suffering, the subthemes that emerged during the content analysis of the interviews were categorized somewhat differently. For instance, we assigned some of the subthemes, such as ‘lack of control’, ‘concerns about death’ and ‘uncertain future’, to the psychological domain; in their study on patients with advanced cancer, Wilson et al (31) had considered these to be spiritual (existentialist). Furthermore, the ACSS recognizes two new domains – cognitive suffering and global suffering – which were not included in any of the previous literature. Cognitive suffering may be more specific to adolescents than adults because academic standing determines rank among peers for age grouping, achievements and even career choices, whereas these considerations are mostly inconsequential in the adult population. ‘Global suffering’ encompassed more than the sum of the parts; we found specific manifestations of suffering that could not be attributed to any of the other domains but rather revealed a general overall experience affecting the adolescent.

The CVI is one of the most rigorous methods to determine content validity (24). Based on feedback from our health care professionals, the CVI for the ACSS was 0.98. Adolescents tended to rate the relevance of each item subjectively, based on whether they personally experienced it. Based on the percentage of items they rated as 100% relevant, the IRA for the overall scale was only 49% for adolescents, compared with 88% for health care professionals. The IRA for clarity was 74% and 86%, respectively.

The four adolescents from the lay experts group agreed that the ACSS described their experience well. This was considered to be extremely positive because the intent of the authors was to find items related to all stages of adolescence, knowing that concerns differed depending on age, cancer diagnosis and therapeutic management. According to Schrijvers and Meijnders’ classification (32), young adolescents with cancer (10 to 14 years of age) were mostly concerned with physical appearance, mobility and disruption of normal relations with peers, while mid-teens (15 to 17 years of age) focused more on loss of autonomy and social marginalization (32). The main challenge was to find items that pertained to all stages of adolescence. The ACSS appears to have attained that goal.

Limitations

Suffering assumes various meanings predicated on the surrounding culture (20). The present study was conducted in a large tertiary care institution of a cosmopolitan Canadian city. It was difficult to enrol a homogenous group of participants of the same ethnic background because the setting from which the sample was recruited for the development of the scale provides cancer care services to a multiethnic population, where its clientele comes from the greater Montreal area and across all of Quebec. Montreal is known to have a large proportion of multiethnic inhabitants. Second, the development of the scale did not include family members. Due to their intimate experience with siblings with cancer, it would have been instructive to obtain their opinions during the interviews before item development.

CONCLUSION

The holistic approach to health care stresses the prevention and reduction of patient suffering. We have developed the ACSS to enable health care professionals to better measure suffering and, thus, to intervene more efficiently. This scale should also prove useful to oncology researchers. Future studies should focus on extensive validation of the measure with a larger sample to determine its other psychometric properties, as well as on developing interventions according to the different levels or areas of suffering reflected in the scale.

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APPENDIX 1
Échelle de Souffrance des Adolescents ayant le Cancer (ESAC): Version finale des items

Nous te prions de cocher (X) une seule réponse, de (1) Jamais à (4) Tout le temps, pour chacun des commentaires ci-dessous en pensant uniquement à la période allant depuis le début de ta maladie jusqu'à présent. Si l'énoncé ne s'applique pas à ta condition, STP coche la case « Non applicable ».

|   | De temps en temps | La plupart du temps | Tout le temps | Non applicable |
|---|------------------|--------------------|--------------|----------------|
| 1 | Je trouve la chimiothérapie difficile à subir/recevoir |                     |              |                |
| 2 | Je trouve les traitements difficiles à subir (radiothérapie, transfusions, prélèvements, etc.) |                     |              |                |
| 3 | Je me sens fatigué(e) |                     |              |                |
| 4 | J'ai de la difficulté à dormir |                     |              |                |
| 5 | Mon appétit a changé |                     |              |                |
| 6 | J'ai des nausées |                     |              |                |
| 7 | Le changement de mon poids à cause de la maladie et des traitements me préoccupe |                     |              |                |
| 8 | Je me trouve moins beau/belle |                     |              |                |
| 9 | Je ressens de la douleur physique |                     |              |                |
| 10 | Je trouve la douleur physique difficile à supporter |                     |              |                |
| 11 | J'ai de la difficulté à marcher seul(e) |                     |              |                |
| 12 | Les contraintes reliées à ma maladie me dérangent (ports de masque, lunette à oxygène, orthèses, etc.) |                     |              |                |
| 13 | Je trouve difficiles les changements à mon alimentation (habitudes alimentaires) |                     |              |                |
| 14 | Je suis capable d'utiliser mon corps comme je le souhaiterais |                     |              |                |
| 15 | De façon générale, je me sens en forme |                     |              |                |
| 16 | Je me sens en colère face à ma maladie |                     |              |                |
| 17 | Je me sens découragé(e) |                     |              |                |
| 18 | J'ai de la difficulté à accepter que je sois malade |                     |              |                |
| 19 | Je suis dérangé(e) d'avoir peu de contrôle sur les événements liés à ma maladie (traitements, pronostic, évolution, etc.) |                     |              |                |
| 20 | Mon avenir me préoccupe |                     |              |                |
| 21 | J'ai peur de mourir |                     |              |                |
| 22 | J'évite de penser à ma maladie |                     |              |                |
| 23 | Je suis facilement irritable ou en colère |                     |              |                |
| 24 | Je suis triste |                     |              |                |
| 25 | J'ai peur de dire la vérité à ma famille |                     |              |                |
| 26 | J'ai besoin d'être entouré(e) par ma famille |                     |              |                |
| 27 | J'ai de la difficulté à établir ou à maintenir des liens amoureux à cause de ma maladie |                     |              |                |
| 28 | C'est difficile de participer à des activités avec mes amis |                     |              |                |
| 29 | Je me sens jugé(e) par mon entourage |                     |              |                |
| 30 | C'est difficile d'arrêter de pratiquer les sports et/ou les activités que j'aimais |                     |              |                |
| 31 | Je me sens seul(e) |                     |              |                |
| 32 | J'ai des camarades à qui je peux parler de mes préoccupations |                     |              |                |
| 33 | C'est difficile d'être à l'hôpital (hospitalisé ou à la clinique externe pour recevoir les traitements) |                     |              |                |
| 34 | C'est difficile de ne plus aller à l'école (études, amis, routine, etc.) |                     |              |                |
| 35 | C'est difficile de communiquer mes sentiments au personnel médical et infirmier |                     |              |                |
| 36 | J'ai de la difficulté à me concentrer sur mes études ou mes travaux |                     |              |                |
| 37 | Je pense que c'est injuste d'avoir le cancer à mon âge |                     |              |                |
| 38 | Je cherche un sens à ma maladie |                     |              |                |
| 39 | Il est difficile pour moi de parler de ce qui me dérange ou de communiquer mes sentiments |                     |              |                |
| 40 | J'évite de voir du monde quand je ne me sens pas bien |                     |              |                |
| 41 | Je trouve que le traitement est long |                     |              |                |

As-tu d'autres commentaires à ajouter concernant ta souffrance ou la souffrance en général ?

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