Learning spiritual care in Dutch hospitals
van de Geer, Jacob

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Training Spiritual Care in Palliative Care in Teaching Hospitals in the Netherlands: A Multicentre Trial
Chapter 4 Multidisciplinary Spiritual Care Training

Training Spiritual Care in Palliative Care in Teaching Hospitals in the Netherlands: A Multicentre Trial

Rev. Joep van de Geer; Prof. Hetty Zock PhD; Prof. Carlo Leget PhD; Nic Veeger PhD; Jelle Prins PhD; Marieke Groot PhD; Prof. Kris Vissers MD, PhD, FIPP.

Abstract

**Background:** In the Netherlands, the spiritual dimension in health care became marginal in the second part of the twentieth century. In the Dutch health care system, palliative care is not a medical specialization and teaching hospitals do not have specialist palliative care units with specialized palliative care teams. Palliative care in these hospitals is delivered by health care professionals in general departments (mainly curative focused ones), and is based on multidisciplinary guidelines supported by palliative care consultation teams. A national multidisciplinary guideline on spiritual care is included, but standardized training based on this guideline still lacks. Implementation of this guideline is expected to have a positive effect on quality of care but is in an early state, the role of the specialists in this field—the health care chaplains—is developing.

**Methods and Findings:** This action research study is planned as an explorative multicentre trial. Health care chaplains of ten teaching hospitals will offer training on spiritual care in palliative care for health care professionals. What is the effect of this intervention on the competences of clinical teams? What is the effect on the perceived care and treatment as experienced by patients?

The effects of the intervention on the competences of the clinicians will be measured once pre-study and twice post-study. Effects on patients’ physical symptoms and spiritual distress, and the perceived
focus of caregivers on their spiritual needs or existential questions will also be measured pre- and post-study.

**Conclusions:** The objective of this article is to present the protocol of this study and stimulate discussion about methods of research on spirituality and spiritual care.

**Keywords:** Multidisciplinary team; Spiritual care; Chaplaincy; Education; Palliative care

**Introduction**

The development of palliative care (PC) based on the definition of the World Health Organisation (WHO) [1] challenges health care professionals to react not only to the physical symptoms and the psychological and social problems of dying patients and their proxies, but also to the spiritual needs of patients and families confronted with a life-threatening disease. A growing number of publications shows consensus on the definition of spirituality in health care and how to implement this dimension in palliative care [2-5]. The publication of the *Oxford Textbook of Spirituality in Healthcare* [6] was a milestone in this development. A recent pan-European survey [7] on spiritual care research priorities by the European Association for Palliative Care (EAPC) Taskforce on Spiritual Care in Palliative Care [8] illustrates a high need for training and education.

In the Netherlands, the spiritual dimension in professional health care discussions became marginal from the second part of the twentieth century. The nomination of two chairs on palliative care in 2005 increased attention on the spiritual dimension in palliative care, and identified it as one of the challenges facing the Dutch health care system in the next decade [9,10]. From that moment on, an inspiring process led to a consensus-based, multidisciplinary guideline on spiritual care within palliative care in the Netherlands, as part of the national Dutch multidisciplinary guidelines on palliative care for health care professionals [11-13]. It is translated in English [14] and
German [15]. Since Dutch teaching hospitals do not have specialist PC units with specialized PC teams, PC in these hospitals is delivered by health care professionals in general (mainly curative focused) departments. The guideline on spiritual care (SC) recommends that it is delivered by all members of multidisciplinary teams, and expects them to be supported and trained by health care chaplains as the specialists on the spiritual dimension.

Since a multidisciplinary guideline does not automatically change clinical practice, research on specific educational approaches is necessary to increase the knowledge on how to implement the spiritual dimension in palliative care [16]. Furthermore chaplains’ knowledge regarding staff education in spiritual care, as well as chaplains’ knowledge regarding staff preferences for spiritual assessment tools, is still too limited to formulate quality indicators for training in spiritual care on a national level [17]. Therefore a multicentre action research study, called “Improvement of spiritual care in palliative care by training professional caregivers,” was planned for different wards in ten large, non-academic teaching hospitals where patients in a palliative trajectory are admitted regularly.

Aims and objectives
The aim of this action research project is to start the implementation of the new method of delivering multidisciplinary spiritual care as described in the national guideline on palliative care [13]. It is crucial to this new method that professional caregivers are able to assess and respond to the spiritual needs of palliative patients and their families, appropriate to their role as physician or nurse, as well as provide adequate referrals to specialized disciplines on the spiritual dimension in the case of complex care needs and crises.

The main research question is: how to train doctors and nurses in assessing and responding to the spiritual and existential needs of their patients and proxies? What is the effect of hospital chaplains training multidisciplinary clinical teams in these competen-
Our hypothesis is that training in spiritual care contributes to the development of spiritual care competencies and leads to higher quality of care.

The objective of this article is to present the protocol of this study for international exchange and discussion about implementation, education, and research on spiritual care.

Methods

Ethical approval and cooperation
This study is designed and will be conducted according to the World Health Organization (WHO) Good Clinical Practice Guidelines. The medical ethical committee in Leeuwarden, Netherlands gave it ethical approval on July 4, 2013 (nWMO22). This study is registered at the Dutch Trial Register: NTR4559.

The project was initiated in the chaplaincy department of the Medical Center Leeuwarden (MCL). It is supported by Agora (the Dutch national organization for palliative care), the Comprehensive Cancer Centre The Netherlands (IKNL), and the Dutch Association of Spiritual Caregivers in Health Care Institutions (VGVZ), and includes the cooperation of the University of Groningen, the Radboud University Nijmegen Medical Centre, and the University of Humanistic Studies in Utrecht. From 2013 onward, the MCL Academy has taken responsibility for the operational progress of the project.

Design of the study
This action research study is planned as an explorative multicentre trial, in which dedicated teams of health care chaplains of ten non-academic teaching hospitals will perform the intervention: pilot training in spiritual care in palliative care (SCPC) for health care professionals.

Action research is defined by Elizabeth Koshy, Valsa Koshy, and Heather Waterman as “an approach employed by practitioners
for improving practice as part of the process of change. The research is context-bound and participative. It is a continuous learning process in which the researcher learns and also shares the newly generated knowledge with those who may benefit from it. … The key concepts include *a better understanding, participation, improvement, reform, problem finding, problem solving, a step-by-step process, modification and theory building.*” [18, p. 9-10].

Influencing professionals to develop spiritual care as a multi-disciplinary team can only be successful when it builds on local-specific resources that are connected with the unique culture of each participating institution/hospital/department. Therefore the intervention in our study had to be open to local variety. We chose an explorative prospective action research design, combining qualitative and quantitative methods.

Both Michelle Campbell (1) and Richard Grol (2) consider influencing professionals’ behaviour to be a complex intervention. Situated on the continuum of increasing evidence according to the Medical Research Council (MRC) framework for the evaluation of complex interventions, this study combines elements of the first three phases of increasing evidence in a phase II trial. (Figure 1).

In our study data will be collected on three levels:

- Patients’ perspective: to explore self-reported and proxy spiritual distress, the perceived quality of spiritual care, and the effect of the intervention.

- Health care professionals: to explore barriers for spiritual care, preferences in training spiritual care, use of diagnostic tools for needs in spiritual care, and the effect of the intervention.

- Health care chaplains: to explore spiritual care training methods, health care professionals’ preferences, and quality indicators for spiritual care training.
The intervention
To establish a consensus-based framework of ten requirements for the intervention, pilot training in SCPC (see Table 1), the researchers invited 33 professionals and researchers with expert knowledge on PC and SC to discuss the requirements at a conference in Enschede, The Netherlands on November 4, 2013 (see Table 2).

This prototype of the pilot training in SCPC is based on: the EAPC consensus definition of spirituality [8], the Dutch guideline on spiritual care [13], and an additional literature review on diagnostic tools and education of spiritual care [23].

The pilot training in SCPC is expected to vary due to local differences and contextual factors, such as the local culture and identity of the hospital, personal competences of the teacher(s), and the specific needs of the multidisciplinary team. During the action research process, the pilot training in SCPC can develop based on the experience, learning process, and new knowledge arising from the cooperation between the participating chaplains/teachers.
### Target group
Multidisciplinary clinical teams of physicians, nurses and other healthcare professionals of departments in teaching hospitals (not being: specialized palliative care teams or units).

### Competencies
Aim is to develop basic competencies for multidisciplinary spiritual care: recognising, referring, self reflectiveness and open attitude towards patient spirituality, as formulated by Kuin (21) based on the work of Van Leeuwen (22).

### Preparation
A Dutch e-learning module on SCPC based on the Guideline is considered to be ideal as preparation for a local training. An electronic learning environment with a selection of reading material and video fragments on SC considered to be compatible with the Guideline will be made available to participants who want to prepare themselves before the pilot training SCPC (Available on https://www.mcl.nl/patient/specialismen-en-centra/geestelijke-verzorging/spirituele-zorg).

### Planning
Implementation of the training is considered ideal when planned as two lessons of 90’-120’ with an interval of at least three weeks. Minimum is one lesson of 90’ with follow up teaching methods (coaching on the job, bedside teaching).

### Structure
The local format of the training has to be designed with the aim to (1.) sensitize participants for the spiritual dimension of palliative care, (2.) make participants realize the importance of their own spiritual and existential dimensions, in order to (3.) integrate it into professional practice.

### Tools
No screening tools for spiritual care or spiritual care models proposed by Penknaertz are admitted to the pilot training SCPC. Because of lack of validated translations the choice is limited to those already mentioned and translated in the NL Guideline: symbolic listening according to Weiher (23), the translation of the three screening questions developed by the Mount Vernon Cancer Network (24) and the Dutch spiritual care model Legets Ars Moriendi (25).

### Practice based learning
Teaching has to be practice oriented, practice based, participants should be stimulated to deliver case descriptions and receive feedback on these descriptions from the teacher/chaplain.

### Freedom for local adjustments
Given the local diversity in teaching hospitals and the nature of teaching spiritual care the pilot training SCPC is not possible without any diversity in tone, language and methods. The local teachers/chaplains receive a relative freedom in methodology and planning. Educational aims and goals as mentioned above are to be considered. Teaching to only one discipline of the multidisciplinary clinical team is not an option.

### Teaching methods
No mandatory teaching methods. Selected core concepts and definitions of the guideline will be delivered on slides. Basic knowledge of Kolb’s experiential learning model will be taught to the group of teachers/chaplains, preferred methods of teaching spiritual care will be exchanged in the group during the study.

### Accreditation
The intervention needs approval by professional organisations of physicians and nurses, so participants can score the training to meet their professional registration requirements.

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<tr>
<th><strong>Table 4. Requirements for the Pilot Training Spiritual Care in Palliative Care (SCPC)</strong></th>
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<td><strong>Target group</strong></td>
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<td><strong>Competencies</strong></td>
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<td><strong>Preparation</strong></td>
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<td><strong>Freedom for local adjustments</strong></td>
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<td><strong>Teaching methods</strong></td>
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<td><strong>Accreditation</strong></td>
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### Table 2. Participants at invitational conference Enschede, NL. Disciplines

<table>
<thead>
<tr>
<th>Disciplines</th>
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<tr>
<td>Health care chaplains (spiritual care experts)</td>
<td>5</td>
</tr>
<tr>
<td>Health care chaplains (candidate teachers with pilot training in SCPC)</td>
<td>11</td>
</tr>
<tr>
<td>Registered nurses (palliative and/or spiritual care experts)</td>
<td>3</td>
</tr>
<tr>
<td>Medical doctors (palliative and/or spiritual care experts)</td>
<td>3</td>
</tr>
<tr>
<td>Psychologists (palliative and/or spiritual care experts)</td>
<td>2</td>
</tr>
<tr>
<td>Researchers</td>
<td>4</td>
</tr>
<tr>
<td>Educational consultants</td>
<td>2</td>
</tr>
<tr>
<td>Palliative care policy advisor</td>
<td>1</td>
</tr>
<tr>
<td>Health care academy manager</td>
<td>1</td>
</tr>
<tr>
<td>Project assistant</td>
<td>1</td>
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</tbody>
</table>

**Table 2. Participants at invitational conference Enschede, Netherlands**

In the participating hospitals, the chaplains/teachers performing the pilot training in SCPC will have the status of co-researcher in this study, and will be responsible for organizing active support of the palliative care consultation team; raising support by hospital management and approval by the local scientific and ethical committees; identifying departments open for the intervention (multidisciplinary teams of any clinical department interested in the improvement of SCPC by means of the pilot training in spiritual care); selecting control departments not receiving the intervention; planning, organizing, and teaching the pilot training in SCPC; and organizing cooperation with the palliative care consultation team for the inclusion of and interviews with patients in the pilot departments and the control departments.

**Hospital inclusion criteria:**

- Fulfilling the criteria of a non-academic teaching hospital in the *Stichting Topklinische Ziekenhuizen* (Association of Tertiary Medical Teaching Hospitals),
- Being actively involved in developing palliative care by means of a specialist consultation team, and
- Implementing palliative care quality improvement programs.
Chaplaincy team inclusion criteria:

- Being actively involved in the PC improvement program in the hospital,
- Being responsible for the way SC is developed in that program,
- Having at least one member of the team specialized in SC in PC (mandatory specialized training program: five-day master class on spirituality in palliative care organized by Leerhuizen Palliatieve Zorg Rotterdam) [28],
- Participating chaplains will have to be experienced teachers and have their own learning style assessed using the Kolb Learning Style Inventory 3.1 [27].

The selected teachers will be prepared with one and a half days of education on learning styles and methods. In order to collect/gather practical and experiential knowledge, they will be asked to keep a log during the process of organizing, teaching, and following-up with the multidisciplinary teams they educate.

According to the action research perspective and the explorative character of this trial, an extra training day based on first experiences is planned between the first group of four participants and the second group of six participants, for possible improvement of the intervention.

Planning of the intervention

All interventions will have to be planned within the period of one year. A minimum of at least ten is targeted to reach consistent data. The pilot training in SCPC can be given to any clinical team of curative departments in the hospital that also treats palliative patients. See Figure 2.
4. Study protocol

**Step 1**
Inclusion criteria:
Non academic teaching hospital associated in the STZ, being actively involved in developing palliative care (n=10)

**Step 2**
A. 5-10 palliative patients
Bedside interviews using questionnaires:
- OPZIS (NL-SPICT)
- Assessment of physical, psychosocial symptoms and spiritual distress
- SAIL
- Assessment of desired and perceived quality of spiritual care

B. All members of multidisciplinary team
Online questionnaire:
- demographical data (once)
- working experience and attitude
- perceived barriers for providing spiritual care
- SAIL
- SCCS

**Step 3**
Intervention:
pilot training spiritual care offered to all members of the multidisciplinary team

**Step 4**
Repeat step 2A+B including evaluation pilot training

**Step 5**
All members of multidisciplinary team
Online questionnaire:
- Kolb LSI 3.1

**Step 6**
Repeat step 2B

Figure 2. Planning intervention and data collection
Standardized evaluation of the intervention
Effects of the intervention on the competences of the professional caregivers will be measured pre-intervention (one month before training) and twice post-intervention (one month and six months after training).

The effects on patients’ physical, psychosocial, and spiritual distress are measured one month before and one month after the caregivers participate in the educational program. Patients’ physical symptoms, spiritual distress, and the perceived focus of caregivers on their spiritual needs, quest for meaning, or existential questions will be measured.

Patient-inclusion criteria
For the inclusion of palliative care patients from the hospital departments where clinicians participate in the pilot training in SCPC and the control group of departments that do not participate, a Dutch translation of the Supportive and Palliative Care Indicators Tool [29], called Ondersteunende en Palliatieve Zorg Indicatoren Set (OPZIS), was developed in cooperation with the University Medical Center Groningen to identify palliative patients. The OPZIS [30] (see Appendix 1) seems feasible in the context of this study.

The target is to include five to ten patients from each pilot and control department following Good Clinical Practice (GCP) guidelines on informed consent, privacy, and processing of collected data.

Measuring the effect of the pilot training in SCPC on consumer quality of care
After informed written consent, questionnaires will be given by specialist palliative care nurses or ward nurses with additional palliative care training that function as palliative care ambassadors in their department. The questionnaire contains items on age, gender, demographic data; 15 items on physical and psychosocial symptoms using the Utrecht Symptom Diary [31]; four spiritual items using
adapted items of the Distress Thermometer [32] (see Appendix 2); 26 items using the Spiritual Attitude and Interests List [33]; and six items related to spiritual care from the NIVEL report on consumer quality indicators of palliative care [34]. Patient data will be coded referring to hospital, department, and numerical order of inclusion.

**Measuring the effect of the pilot training in SCPC on professional caregivers competencies**

Based on the methods used by Maria Wasner, Christine Longaker, Martin Johannes Fegg, and Gian Domenico Borasio [35], Katrien Cornette and Jenny Put [36], and René van Leeuwen [21] to assess spiritual care competencies of health care professionals/students and the effect of training in spiritual care, an online questionnaire is has been developed. This questionnaire is divided into nine items on demographical data, ten items on work experience and attitude, 11 items on perceived barriers for providing spiritual care, 26 items of the Spiritual Attitude and Involvement List (SAIL), and 27 items on Spiritual Care Competence Scale (SCCS).

**Expected outcome**

We expect to see on the following dimensions emerge due to the effect of this training:

- Decrease of perceived barriers to spiritual care, according to caregivers compared with baseline,
- Development of caregivers competencies compared with baseline,
- Higher consumer quality of care compared with baseline on pilot departments, no difference on control departments,
- (For chaplains:) understanding of/knowledge concerning the needs of primary caregivers in the application of spiritual care after training; understanding of/knowledge concerning the possibilities of the integration of spiritual care in the working process of the multidisciplinary team; and knowledge concerning the education of spiritual care.
Our target is to collect data from ten multidisciplinary teams (approximately 330 caregivers) and from 110 to 180 palliative patients treated in hospital settings.

**Data analysis**

Earlier studies were based on different definitions of spirituality, and validated instruments in Dutch that are based on international consensus definitions still lack in this rather new—for the Netherlands—field of multidisciplinary spiritual care. Therefore this trial is explorative (phase one) and a power analysis is not possible.

For this pilot study, the target number of multidisciplinary teams ($N = 10$), as well as the target number of patients ($N = 18$ per site) is not based on a formal sample size calculation. With the planned study size, this pilot will generate valuable data for an exploratory evaluation of the introduction of the new method of delivering multidisciplinary spiritual care, from the perspectives of the caregivers and the patients. In both settings, summary statistics (point estimates and standard deviation range) will be used to evaluate the respective effects of the new method. Any hypothesis testing on observed changes in professional caregivers’ competencies and perceived barriers for spiritual care will be performed using paired samples, $t$-tests, and Wilcoxon Sign Rank Tests. Patients’ spiritual distress and perceived quality of care will be interpreted within the setting of an explorative study rather than a confirmative one.

Qualitative data from the semi-structured interviews with the teachers/hospital chaplains will be transcribed verbatim and analysed. Subsequently a qualitative thematic analysis will be done using ATLAS-TI in two rounds: immediately after all pre-intervention interviews with the pilot teachers are conducted and after all post-intervention interviews are conducted.
Strength and limitations discussion

This study has several strengths.

- It is a first systematic implementation of the multidisciplinary guideline on SC, monitoring its effect on health care professionals’ competences and patients’ spiritual well-being at the same time.

- The strength of designing this study as a multicentre trial at the threshold of its implementation process is that it stimulates almost 36 percent of the teaching hospitals in our country to start the implementation of the guideline on SC.

- This pilot study opens new, multidisciplinary territory combining quantitative and qualitative research methods from different research paradigms.

- It is able to create bottom-up commitment from and local multidisciplinary cooperation between medical, nursing, and spiritual disciplines.

- It can contribute to developing the guideline from consensus based to practice based.

- It will develop knowledge about the use of diagnostic tools for the screening or assessment of the spiritual dimension by professional caregivers.

- This knowledge can be used for a first revision of the guideline.

- Together with the quantitative evaluation, this action research approach aims for developing bottom-up quality indicators for spiritual care. Learning together about the spiritual needs and resources of our patients, their proxies, and ourselves can invoke local renewals of the multidisciplinary cooperation between doctors, nurses, and health care chaplains.

- The strength of this study lies in the attempt to combine the very different academic paradigms of medical, nursing, and chaplaincy disciplines; however, this also might complicate its evaluation.
Learning spiritual care in Dutch hospitals

Studying at the threshold of a national implementation process on spiritual care creates some important limitations:

- To measure patients’ spiritual symptoms and spiritual needs in Dutch, only two tools were validated and considerable for application: the Spiritual Attitude and Interests List (SAIL) (3) and the spiritual items of the Lastmeter, a measurement tool recommended by the Dutch oncology guideline for detection of psychosocial needs [37].

- SAIL is not developed to measure spiritual symptoms and the needs of clinical patients, and the tool is not based on an inclusive/consensus definition of spirituality. It is based on a specifically non-theistic definition of spirituality [33, p. 142]. However, as it might be able to generate data on patients’ spirituality and needs that are relevant in the context of developing training in spiritual care, the research team decided to use SAIL. Adaption of SAIL to the broader national and international consensus definitions of spirituality would enhance its relevance.

- The spiritual items of the Lastmeter were developed before the new consensus definitions of spirituality were published. The research team considered these items not to be compatible with the directives of the multidisciplinary guideline on spiritual care. We used the official suggested items of the Dutch professional organization for health care chaplains (VGVZ) on the concept oncology Guideline Detection of psychosocial needs. The research team proposed a combination of the suggestions by the VGVZ, relevant spiritual care items of the national quality indicator set for palliative care, and basic items on religion and religious or spiritual practices, and this was accepted by the experts in the invitational conference on November 4, 2013. (See Appendix 2: Adapted Spiritual Items of the Distress Thermometer.) To the best of our knowledge these are the optimal questions to use, however formal validation has not yet been performed.
In June 2014, the Dutch professional organization of health care chaplains (VGVZ) showed its appreciation for this design of health care chaplains’ research by awarding the first VGVZ Research Award to a Dutch abstract of this protocol.

**Abbreviations**

OPZIS  *ondersteunende en palliatieve zorg indicatoren set* is a translation of the Supportive and Palliative Care Indicators Tool (SPICT)

SAIL  Spiritual Attitude and Involvement List

SCCS  Spiritual Care Competence Scale

SCPC  Spiritual Care in Palliative Care

SPICT  Supportive and Palliative Care Indicators Tool

STZ  Stichting Topklinische Ziekenhuizen (Association of Tertiary Medical Teaching Hospitals)
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30. Medical Centre Leeuwarden. *Ondersteunende en Palliatieve Zorg Indicatoren Set*. URL: https://www.mcl.nl/_library/44790/OPZIS%20MCL%202014.pdf [February 29, 2016].


Appendix 1. Supportive and Palliative Care Indicators tool (SPICT™)

### Ondersteunende en Palliatieve Zorg Indicatoren Set (OPZIS)

Gebruik de OPZIS om patiënten te identificeren met gevorderde, progressieve, ongeneeslijke aandoening(en)

#### 1. ZOEK NAAR TWEE OF MEER ALGEMENE KLINISCHE INDICATOREN VAN DE VERSLECHTERENDE GEZONDHEID

- Functionele status, slecht of verslechterend met beperkte kans op herstel (Symptomatische, niet volledig bedegening, e.g. 50% of meer van de dag op bed).
- Twee of meer ongewenste ziekenhuisopnames in de afgelopen 6 maanden.
- Gewichtsverlies (5% of meer) of overgewicht (bijv. Body Mass Index >30).
- Aanhoudende, verergerende symptomen (pseudomoto-optimale behandeling of eventuele onderliggende aandoening en).
- Risico op overlijden aan een plotse, acute verslechtering.
- Hoest in verbale spreekbui, woordongeluk of angststimulatie, of heeft zoog nodig thuis te blijven.
- Patiënt vraagt om ondersteunend en/of palliatieve zorg, of staken van de behandeling.
- Een nieuwe diagnose van een progressieve levensverkortende aandoening.

#### 2. ZOEK NAAR EVENTUELLE KLINISCHE INDICATOREN VAN GEVORDERDE AANDOENINGEN

- Hart / vaatziekten
  - NYHA klasse III / IV hartfalen, of uitgebreid, onbehandelbaar coronair vastlijken.
  - kortademigheid of pijn op de borst in rust of bij minimale inspanning.
  - Ernstig, inoperabel periferer retinopathie.
- Luchtwegenziekten
  - COPD of ernstige pulmonale fibrose
  - ademloos in rust of bij minimale inspanning tussen de exacerbaties.
- Nierfunctie
  - Voldoet aan de criteria voor langdurige zuurstoftherapie (PaO₂ <5 kPa).
  - Heeft ventilatie/beatmoeing nodig voor respiratoire falen of ventilatie is gecontra-indiceerd.
- nierfalen als gevolg van een andere lever beperkende aandoening of de behandeling ervan.
- stoppen van dialyse.
- Leverziekte
  - Gevorderde cirrose met een of meer complicaties in het afgelopen jaar:
  - diarree, infectie, ascites,
  - levermetaboliek
  - hypertensie
  - bacteriële peritonitis
  - recidiverende varieert bloedingen
  - serum albumine <25 g/L (NR langdurige (NR> 2).
  - Levertransplantatie is gecontra-indiceerd.
- Kanker / oncologie
  - Functioneren van de patiënt verslechterd als gevolg van progressieve uitgezaaide kanker.
  - Te zwaar voor oncologische behandeling als gevolg van geactiveerde multimorbiditeit of behandeling is voor symptoom controle.
- Neurologische aandoening
  - Progressieve verslechtering in fysiologische of cognitieve function ondanks optimale therapie.
  - Speelprobleem met toenemende moeite om te communiceren en / of progressieve dysfagie.
  - Recidiverende aspiratie pneumonia; ademnood of respiratoire falen.
- Dementie / kwetsbaarheid
  - Niet in stand om te kleden, lopen of eten zonder hulp.
  - Minder eten, moeite met onderhouden van voeding.
  - urine- en fecale incontinentie.
  - Progressieve zwakte, vermoeidheid, inactie.
  - Niet in staat om te communiceren, weifelende sociale interactie.
  - Gebreken bijwerken; meerdere valpartijen.
  - Recidiverende febrile episodes of infectie, aspiratiepneumonie.

#### 3. STEL DE VRAAG

Zou het je verbaas als deze patiënt overled in de komende 12 maanden?

#### 4. PLAN ONDERSTEUNENDE EN PALLIATIEVE ZORG

- Herzie huidige behandeling / zorgplan, en medicatie zodat de patiënt optimale zorg krijgt.
- Overweeg consultatie van palliatief team bij compleet en moeilijk te managen symptomen of behoeften .
- Bespreek de huidige en toekomstige zorgplannen en plannen met patiënt en familie.
- Plan vooruit als de patiënt risico loopt op verlies van krachten.
- Leg vast in zorgplan: wat als bekeken, zo nodig medicatie, behandelingen, beperkingen.
- Coördineer de zorg met de huisarts en eerstelijnszorgzorgverleners.

Gebaseerd op de Supportive and Palliative Care Indicators Tool (SPICT™).
Appendix 2. Adapted spiritual items of the Distress Thermometer.

**View of life, life questions, existential questions**

View of life, life questions or existential questions have to do with: what you believe life means, what the value of it is to you and how it should be lived. It can also be linked to a particular religion. Here are a few questions about your beliefs. Cross always the option that best describes your situation. We realize that you may find it difficult to answer some questions, perhaps because you are using other words to describe your beliefs or that you have not given it much thought. Yet it is important that you complete all the questions.

Please consider the following points completing the questions:

- Circle always the answer that best suits you (1 mark per question)
- There are no "right" or "wrong" answers
- Often, your first impulse the best, do not think too long about your answers

1. Please indicate whether you have experienced trouble or problems last week (including today) on the field view of life / life questions, for example:
   - coping with loss
   - questions about the end of life / death
   - loss of confidence
   - questions about the fulfillment / meaning of my life
   - guilt
   - questions about the purpose of the treatment
   - need for rituals

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<thead>
<tr>
<th>No distress</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>A lot of distress</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>
2. Please indicate whether your proxies have experienced trouble or problems last week (including today) on the field view of life / life questions, for example:
   • coping with loss
   • questions about the end of life / death
   • loss of confidence
   • questions about the fulfillment / meaning of my life
   • guilt
   • questions about the purpose of the treatment
   • need for rituals

<table>
<thead>
<tr>
<th>No distress</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>A lot of distress</th>
</tr>
</thead>
</table>

3. Do you think it is important that healthcare professionals (doctors, nurses, other health care professionals) on this ward pay attention to difficulties or problems related to the above topics or questions?

<table>
<thead>
<tr>
<th>Not important</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>Very important</th>
</tr>
</thead>
</table>

4. Do you experience attention of healthcare professionals (doctors, nurses, other health care professionals) to difficulties or problems related to the above topics or questions?

<table>
<thead>
<tr>
<th>No attention</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>A lot of attention</th>
</tr>
</thead>
</table>