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Understanding the Role of Spirituality and Faith in Relation to Life Expectancy and End of Life Experience in Terminally-ILL Cancer Patients

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Abstract

Spiritual beliefs and faith are important in the lives of many terminally cancer patients, spiritual beliefs and faith can help patients cope with the emotional experiences of end of life and face death and also influence life expectancy in terminally cancer patients. The spiritual and faith dimensions fuse the essential estimations of terminally cancer patients, their considerations on what gives life meaning and religious or non-religious perspective. It additionally incorporates convictions about what happens after death. The purpose of this literature review was to describe the role of spirituality and faith in life expectancy and end of life experience in terminally Cancer patients. The reviewers searched electronic databases and performed a manual search for studies published. The inclusion criteria covered spirituality and faith for terminally cancer patients in relation to life expectancy and end of life experience. The studies were original, randomized controlled trials or quasi-experimental designs. Studies were selected using the inclusion criteria. The results indicate that spirituality and faith produces positive effects on patient's end of life experience and psychological conditions and on increase their life expectancy. Spirituality and faith improve the adjustment and coping strategies with cancer. Further research into the cost effectiveness of spirituality, faith and its long-term effectiveness for cancer suffering is needed.

Keywords: Spirituality; Faith; Life expectancy; End of life experience; Terminally cancer patients

Introduction

Cancer is a devastating disease for millions of people around the world which it ranks among the most feared of all diseases. It is the product of cumulative lifestyle and environmental factors that place everyone at risk. According to estimates from the International Agency for Research on Cancer (IARC), there were approximately 12.7 million new cancer cases worldwide in 2008, 5.6 million of which occurred in economically developed countries and 7.1 million in economically developing countries. There were approximately 7.6 million cancer deaths worldwide in 2008, 2.8 million of which occurred in economically developed countries and 4.8 million in economically developing countries. By 2030, the global cancer burden is expected to nearly double, growing to 21.4 million cases and 13.2 million deaths. And while that increase is the result of demographic changes-a growing and aging population-it may be compounded by the adoption of unhealthy lifestyles and behaviors related to economic development, such as smoking, poor diet, and physical inactivity [1].

When cancer is described as terminal it means that it cannot be cured and is likely to cause death within a limited period of time. The amount of time is difficult to predict but it could be weeks to several months. This distressing news can affect you and the

people close to you in different ways. There is no right or wrong way to react when you are told your cancer is too advanced to cure. Everyone responds in their own way. For most of patients, this is very shocking news. Some people become silent. They cannot believe what they are hearing and don't know what to say or do. Some start to cry and feel as though they won't be able to stop. Others may become very angry and scared. Some people feel numb and as though they have no emotions. It is natural to feel desperate, upset, angry, or that you don't believe the news. At times, terminally ill cancer diagnosis will probably feel shock, anger, and sadness.

These emotions can feel overwhelming at times. This news will mean that they can't plan their future in the way they had hoped. Dying may mean leaving behind family members, and other important people in their life. Patients may wonder how they will cope and won't want to see them upset. These thoughts may be too painful to cope with at times. A number of socio-demographic characteristics are associated with cancer disparities, including income, race/ethnicity, age, sex, and other factors. Some cultural factors may serve to impede cancer outcomes while others may play a protective role. Part of successful coping and survivorship involves impact of the disease on physical and emotional

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functioning outcomes; spirituality and faith are an integral part of some culture. It has also been noted that spiritual beliefs are related to the cultural background which cultural background assumes an important role in the way people make meaning of suffering and illness, and spirituality and faith may have an impact on how people cope with the illness [2].

Spirituality has been defined in numerous ways. These include: a belief and faith in a power operating in the universe that is greater than oneself, a sense of interconnectedness with all living creatures, and an awareness of the purpose and meaning of life and the development of personal, absolute values. It's the way you find meaning, hope, comfort, and inner peace in life. Although spirituality is often associated with religious life, many believe that personal spirituality can be developed outside of religion. Acts of compassion and selflessness, altruism, and the experience of inner peace are all characteristics of spirituality. The importance of spirituality and faith in coping with a terminal illness is becoming increasingly recognized. Spiritual and faith issues are important for many patients suffering from cancer in terminal stage, and a number of patients would like caregivers to bring up such issues to help to release end of life despair experience and also it gives hope to them to be alive and may improve life expectancy among terminally ill cancer patients. In cancer patients physical burden of cancer, psychological distress, including increased anxiety and depression and poor quality of life, seems to be greater than in the general population, particularly in the later stages of the disease [3].

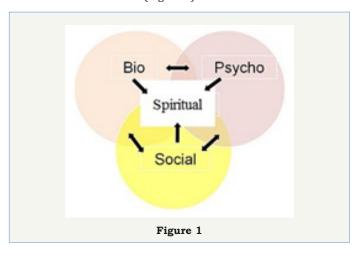
Therefore in the final stages of many terminal illnesses such as cancer, care priorities tend to the focus often changes to palliative care for the relief of end of life experience such as pain, symptoms, and emotional stress. Anticipating the demands of end of life care giving can help ease the journey from care and grief towards acceptance and healing. Nevertheless, there is no doubt that spiritual beliefs across cultures and faith often include concepts related to prevention, etiology, and treatment of ill-health which may have an impact on health [4-7]. Numerous of terminally ill cancers patients believe that their spirituality and faith help promote healing, especially at an advanced stage of cancer, when medications and other treatments cannot provide a cure for their conditions.

The Bio-Psycho-Social-Spiritual Model of Care

The fundamental task of medicine, nursing, and the other health care professions is to minister to the suffering occasioned by the necessary physical finitude of human persons, in their living and in their dying [8]. Death is the ultimate, absolute, defining expression of that finitude. George Engel laid out a vast alternative vision for health care when he described his biopsychosocial model. The biopsychosocial is a general model or approach stating that biological, psychological (which entails thoughts, emotions, and behaviors), and social (socio-economical, socio-environmental, and cultural) factors, all play a significant role in human functioning in the context of disease or illness. It posits that, health is best

understood in terms of a combination of biological, psychological, and social factors rather than purely in biological terms [9].

This model, not yet fully realized, placed the patient squarely within a nexus that included the affective and other psychological states of that patient as a human person, as well as the significant interpersonal relationships that surround that person. Scientific conception of the patient or how it can be integrated into a more general metaphysics of life and death; furthermore an entire "movement" has arisen promoting the integration of spirituality into medicine. The World Health Organization has declared that spirituality is an important dimension of quality of [10]. Toward this end, some are now calling for a model that goes even further a biopsychosocial-spiritual model of health care [11,12]. An approach that considers the biological dimension of human behavior closely linked with and inseparable from, psychological, social, and spiritual systems is known as the bio-psycho-social-spiritual approach [13]. The bio-psycho-social-spiritual approach applies to the personal dimension and the environmental dimension. The biological, psychological, and spiritual person is a part of the personal dimension. The social structure of a person is a part of the environmental dimension (Figure 1).



For many persons, this spiritual history unfolds within the context of an explicit religious tradition. But, regardless of how it has unfolded, this spiritual history helps shape who each patient is as a whole person, and when life-threatening illness strikes, it strikes each person in his or her totality [14]. This totality includes not simply the biological, psychological, and social aspects of the person [15], but also the spiritual aspects of the whole person as well [16]. This biopsychosocial-spiritual model is not a "dualism" in which a "soul" accidentally inhabits a body. Rather, in this model, the biological, the psychological, the social, and the spiritual are only distinct dimensions of the person, and no one aspect can be disaggregated from the whole. Each aspect can be affected differently by a person's history and illness, and each aspect can interact and affect other aspects of the person.

Terminally Ill Cancer Patient

Terminal illness is a disease that cannot be cured or adequately treated and that is reasonably expected to result in the death of the

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patient within a short period of time. This term is more commonly used for progressive diseases such as cancer or advanced heart disease than for trauma. In popular use, it indicates a disease that eventually ends the life of the sufferer. According to the medical dictionary terminal cancer defined as an advanced stage of a malignant neo-plastic disease with death as the inevitable prognosis. A malignancy expected to cause the Patients death in a short period of time such as weeks to several months. However patients who have cancer may be referred to as a terminal patient, terminally ill. Often, patients are considered terminally ill when their estimated life expectancy is six months or less, under the assumption that the disease will run its normal course. Defining a patient as terminal might provide opportunities to plan the terminal phase [17] that, in the end, could result in a better-quality end of life for the patient and his or her career [18]. It also may lead to problems, such as poor symptom control such as restricted morphine [19-21] or "carer fatigue" caused by insufficient support to the informal carer [22,23].

Chow & Christakis [24-26] and their colleagues have demonstrated most physicians either do not define patients as being terminal or their prognostic estimates tend to be optimistic, Vigano & his colleagues [27] reported particularly with regard to those patients who die soon after the cancer diagnosis. This might affect patients' appropriate and timely referral to specialist palliative care services [28] or can lead to unplanned hospitalization because of poorly coordinated or otherwise inadequate supportive care services being available at home [29].

Patients use information about the expected course of their illness, including how long they are likely to survive, in a variety of ways. It can help them decide whether to take a long awaited trip, which therapies are worth pursuing, what kind of support system they may need as their condition worsens, and how much time they will have to put their affairs in order. Patients often have plans they want to accomplish before they die, and knowing that their time is short may prompt them to attend to such matters. Receiving a terminal prognosis may also open up conversations about death and dying that may be painful at first but can bring considerable relief to patients and family members alike.

Life Expectancy in Terminally ILL Cancer Patients

Upon receiving a diagnosis of a fatal illness like metastatic cancer, Alzheimer's disease or congestive heart failure, many patients ask, "How much time have I got?" It's a reasonable question, given that there is often much to plan for and accomplish before a progressive illness robs patients of their physical or mental abilities. "Accurately predicting life expectancy in terminally ill patients is challenging and imperfect," "Physicians are typically optimistic in their estimates of patient survival." Every individual reacts to treatment differently, nobody knows in advance how effective cancer treatment will be.

There's additionally no real way to know to what extent anybody will live with or without cancer. Life expectancy experience may be very different; survival rates are only estimates and are based on type of cancer, the stage of cancer when patients were diagnosed, the particular traits of cancer (such as cell types and growth traits), the treatment patients received, patients unique physical and emotional health. Viscomi [30] emphasized that the estimation of life expectancy from the date the diagnosis of cancer is made until death has been performed in many medical fields to generate measures of cancer survival relevant to clinicians, health economists, policymakers, and insurance companies. There is need to estimation of life expectancy for the exploring cancer treatment options, to help patients and their family makes more informed decisions about cancer treatment. Researchers stated that life expectancy is a function of comorbidity, disability, and cancer stage, in addition to age and cancer type [31] and it is too difficult to estimating. In general, survival analysis provides an estimation of the survival rate during the observed study period, but there has been a lack of reliable method for lifetime extrapolation [31]. According to Chaves LJ & Gil CA [32] increased life expectancy and the prospect of longevity lead to reflection on the importance of spirituality while aging. The relationship between spirituality and old age takes place through the capacity to bear the limitations, difficulties and losses inherent to the process; thus, the nature of living a spiritual life was observed to be heterogeneous, while all had in common the recognition of its importance and its significance for living an old age with Quality of Life.

End of Life Experience and Care in Terminally Ill Cancer Patients

Different patients react to the news that they have a terminal illness in different ways. In general, almost all patients go through various stages of acceptance when a disease like cancer has been diagnosed [33]. University of Virginia Health System in 2010 reported the first stage is disbelief. Most people are shocked that it could happen to them, there is extreme anxiety especially about the unknown. Shock, despair and anger are common. There is also guilt that perhaps the person has done something wrong to receive such a diagnosis. Some individuals use humor as a psychological defense mechanism; others become helpless and often start to bargain. This first stage usually lasts from a few days to many months. The second stage is depression, which is usually a reaction to the diagnosis. The depression is mild to moderate in intensity and needs family support. Only in rare cases is any type of medical therapy required. Duration of depression often can last several weeks to throughout the illness. The goal is to help the person go into the final stage of acceptance. In other studies involving patients with terminal cancer, low levels of spirituality have been found to correlate with negative mood states, such as tension, anxious preoccupation, depression, anger, cognitive [34-36], as well as hopelessness and suicidal ideation [37,38] and the desire for a hastened death [39].

Even with years of experience, caregivers often find the last stages of life uniquely challenging. Simple acts of daily care are often combined with complex end-of-life decisions and painful feelings of bereavement. End-of-life care giving requires support, available from a variety of sources such as home health agents, nursing home



personnel, hospice providers, and palliative care physicians. In the final stages of life-limiting illness, it can become evident that in spite of the best care, attention, and treatment, patients are approaching the end of their life. The patient's care continues, although the focus shifts to making the patient as comfortable as possible.

Depending on the nature of the illness and the patient's circumstances, this final stage period may last from a matter of weeks or months to several years. During this time, palliative care measures can provide the patient with medication and treatments to control pain and other symptoms, such as constipation, nausea, or shortness of breath. Although most patients with late-stage cancer express a continued will to live even as their health worsens, some express a desire for hastened death. The few studies conducted have suggested that cancer patients' desire for hastened death is cross sectionals related to a number of psychological and clinical variables, most notably depression and hopelessness, but also to anxiety, pain, performance status, disease stage, quality of life, symptom related distress, and spiritual well-being, with desire for hastened death related to poorer functioning in each case [38-42].

Cleeland [43] & his colleagues (1994) and Danis & Garrett [44] have stated that among adults, the quality of care at the end of life is suboptimal. Lynn [45] & his colleagues (1997), which one study of elderly patients found that there was considerable suffering at the end of life, with up to 25 percent of patients experiencing moderate to severe pain in the last three days of life. Entering the terminal phase of a cancer disease may be clinically recognized by indistinct patterns, such as lack of response to treatment, increased disease progression, the onset of anorexia, or the loss of will to live. By definition, there is no cure or adequate treatment for terminal illnesses. However, some kinds of medical treatments may be appropriate anyway, such as treatment to reduce pain or ease breathing. Fried [46] & his colleagues (2007) have shown that some terminally ill patients stop all debilitating treatments to reduce unwanted side effects. Others continue aggressive treatment in the hope of an unexpected success. Still others reject conventional

medical treatment and pursue unproven treatments such as radical dietary modifications.

Patients' choices about different treatments may change over time. Palliative care is normally offered to terminally ill patients, regardless of their overall disease management style, if it seems likely to help manage symptoms such as pain and improve quality of life. Hospice care, which can be provided at home or in a longterm care facility, additionally provides emotional and spiritual support for the patient and loved ones. Some alternative medicine approaches, such as relaxation therapy, massage, and acupuncture may relieve some symptoms and other causes of suffering [47,48]. Care in the palliative care context differs from curative care because it reaffirms life and faces death as a reality to be experienced together with the family members. Its purpose is to improve the patients and relatives' Quality of Life (QoL) in view of an advanced disease, through the prevention and relief of suffering, pain treatment and valuation of the culture, spirituality, customs and values, besides the desires and beliefs that permeate death [49,50].

Nature and Role of Spirituality and Faith in Terminally Ill Cancer Patients

Spirituality can be defined as "a belief system focusing on intangible elements that impart vitality and meaning to life's events" [51]. Spirituality, a related term, refers to a search for meaning and purpose in life and relationship with a higher power [52] which can but does not necessarily involve religion. Spirituality may be defined by two components, religious well-being (achieving harmony with God) and existential well-being (finding meaning and purpose in one's life [53]). Therefore spirituality is the relationship individuals have with a power or influence past themselves that helps them feel connected and improve their lives. Faith defined as a person's most deeply held beliefs strongly influence his or her health. Spirituality is a construct that involves concepts of "faith" and "meaning" [54-56]. Faith involves a belief in a higher transcendent power, not necessarily through participation in the rituals and beliefs of a specific organized religion.

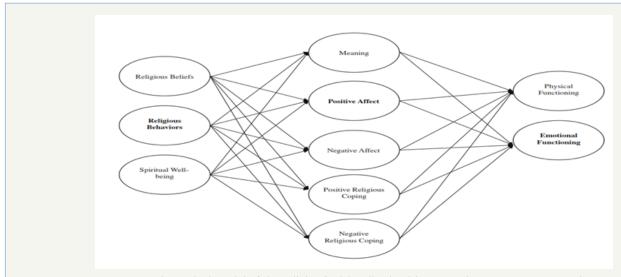


Figure 2: Theoretical model of the religion/spirituality-health connection among cancer patients.



Faith in a transcendent power may identify this power as being external to the human psyche or internalized. It is the relationship and connectedness to this power or spirit (sometimes identified as the soul) that is an essential component of the spiritual experience and is related to the concept of meaning. Frankl's [57] theory emphasizes that an individual's search for meaning can be frustrated. The "faith" component of spirituality is most often associated with religion and religious belief, while the "meaning" component of spirituality appears to be a more universal concept that can exist in religious or non-religiously identified individuals. Religion is a particular situated of beliefs or practices typically associated to an organized group [58] (Figure 2). Research shows that religion and spirituality are associated positively with better health and psychological wellbeing [59-61]. Several previous studies have been conducted examining the role of spirituality among African Americans with cancer. Spirituality was found to increase hope and psychological well-being among African American women with breast cancer [62]. Many patients believe that their spirituality helps promote healing, especially at an advanced stage cancer.

In these patients, spiritual well-being has been found to positively correlate with subjective well-being [63], hope and positive mood states [64,65], purpose in life [66], and overall quality of life [67]. There is both theoretical and empirical support for the positive relation between spirituality/faith and emotional well-being. Religious faith also appears to make an objective, measurable difference in the mental health of cancer patients. A few individuals discover spirituality by practicing their religious beliefs, while others find it outside of an organized religion. Researcher stats that frequently individuals come back to the religious conventions of their youth, but others may discover comfort in another tradition, such as meditation. Numerous cancer patients would portray themselves as spiritual, however not so much religious.

Religion and spirituality are constructs adopted to cope with the stress the cancer causes as, for many patients; they can contribute to the relief of suffering and greater hope concerning the QoL [68]. Numerous studies have been carried out internationally of the interaction between spirituality, faith and religious beliefs and health, and the needs of patients for the health service to follow up existential needs [69,70], and also findings are consistent with the possibility that it may be important for health care providers to assess patients' level of spirituality as they attempt to help them deal with the adverse psychological effects associated with facing a chronic illness such as cancer special in final stages. Spirituality and faith can be essential to the well-being of individuals who have cancer, empowering them to better cope to the disease at end of life. Spirituality and faith may help patients and their support system find deeper meaning and experience a sense of self-awareness while terminal stage. Spiritual coping is defined as a process that people utilize to find meaning in stressful circumstances [71].

Spiritual coping can be divided into two broad patterns: positive coping, i.e., a constructive drawing upon spirituality for support and negative coping, i.e., engaging in spiritual struggle and doubt [72,73]. Spirituality often becomes important throughout

the course of the disease and its treatment as well as during the period of remission [74] and may be an important coping strategy for patients facing the various stressors associated with cancer as well as its potential life threat. A review on religious involvement and illness coping suggests that religion helps to ease stress [75]. Researcher has reported that spirituality can become more salient to those with cancer [76]. Among individuals with terminal cancer, those who reported more advanced stages of faith had higher quality of life than those at more simple stages of faith [77]. Among cancer patients, prayer is used and found to be helpful, even though it can be sometimes accompanied by religious conflicts such as unanswered prayers [78]. A study of religious coping in patients undergoing autologous stem cell transplants also suggests that religious struggle may contribute to adverse changes in health outcomes for transplant patients [79].

Quality of life has become increasingly important for patients as treatment advances extend the length of survival. One study, involving a random sample of 296 breast cancer survivors in southern California, found that spiritual care was more important to the patients' quality of life than support groups, counseling sessions, or even peer or spouse support [80].

Spirituality and Faith Relation to Life Expectancy and End of Life Experience in Terminally Ill Cancer Patients

Frankl's [81] work focuses on the ability of individuals to find meaning in their life (e.g., finding a life purpose or a sense of life fulfillment and satisfaction), particularly when their life is threatened. Based on Frankl's [81] theory, cancer may be viewed as a temporal constraint and a catalyst for finding meaning. Whereas he has focused exclusively on the existential domain of spirituality, others have argued that spirituality is a combination of religious and existential dimensions. A meaning-making process may serve as an interpretive framework for patient suffering [82].

Spirituality is a crucial component of individual focused consideration and critical factor path patients with cancer coping strategies to their illness from diagnosis through treatment, survival, recurrence and dying. Many terminally cancer patients are becoming interested in the role of spirituality and faith in their end of life experience and respire, and also health care. This may be because of dissatisfaction with the impersonal nature of our current medical system, and the realization that medical science does not have answers to every question about health and wellness [83].

Micozzi noted that "the blending of spirituality and faith with the tenets of alternative, complementary, and integrative therapies provides individuals with a means of understanding how they contribute to the creation of their illness and their healing" [84]. Spirituality and faith can give a terminally cancer patients a structure for finding meaning and viewpoint through a source more noteworthy than self, and it can provide a sense of control over sentiments of helplessness. Religious practice supplies the natural social support. Ticiane & his colleagues [85] to compare the quality of life and religious-spiritual coping of palliative cancer care



patients with a group of healthy participants; assess whether the perceived quality of life is associated with the religious-spiritual coping strategies; identify the clinical and socio demographic variables related to quality of life and religious-spiritual coping. 192 participants were interviewed who presented good quality of life and high use of Religious-Spiritual Coping. Greater use of negative Religious-Spiritual Coping was found in Group A, as well as lesser physical and psychological wellbeing and quality of life.

An association was observed between quality of life scores and Religious-Spiritual Coping (p<0.01) in both groups. Male sex, Catholic religion and the Brief Religious-Spiritual Coping score independently influenced the quality of life scores (p<0.01). Both groups presented high quality of life and Religious-Spiritual Coping scores. Male participants who were active Catholics with higher Religious-Spiritual Coping scores presented a better perceived quality of life, suggesting that this coping strategy can be stimulated in palliative care patients. In particular, religiosity has been reported to serve as a coping strategy to help manage emotional distress [86], and religious and/or spiritual coping strategies have been found to be helpful in dealing with the emotional impact of cancer in terminal stage [87-89]. Spirituality among cancer patients may be conceptualized as a form of emotion-focused coping, as it is primarily aimed at lessening the emotional distress associated with the disease [90].

Johnson & Spilka [91] reported cancer patients also place a high value on interactions with clergy, noting that pastoral visits and prayers help them maintain hope and optimism. Holland & his colleagues [92] have found a strong relationship between patients' faith experience and the effectiveness of their coping with cancer in end of life. With hopefulness specifically linked to better adjustment by those receiving radiation therapies [93]. Robust hope can provide strength and courage to face the stress of illness and treatment, while hopelessness brings passivity and resignation. Researchers have found a strong link between religious beliefs and hope [94]. In a study of cancer patients at the University Michigan Medical Center, 93 percent said that their spirituality and faith had increased their capacity to be hopeful [95]. Hope enables persons to actively cope with difficult and uncontrollable life situations. Patients with a strong sense of hope report a high quality of life [96]. Some researchers believe that spirituality and faith increases the body's resistance to stress. In a 1988 clinical study of women undergoing breast biopsies, the women with the lowest stress hormone levels were those who used their faith and prayer to cope with stress [97].

Though cancer can challenge faith, many terminally ill patients ultimately find that their belief system is strengthened by the experience. Cayse [98] in 1994 explored among 29 separate strategies used by cancer patients to cope with end of life experience, prayer was both the most common and most helpful for their cope and adjustment. Hematti & his colleagues [99] stated spiritual well-being in patients with an advanced cancer has been found to positively correlate with subjective well-being, lower pain levels, hope and positive mood states, high self-esteem, social

competence, purpose in life, and overall quality of life. In this regard, Quran recitation is stated to be an efficient way to increase patient spirituality and also to handle life's everyday challenges. In other words, a benefit of Quran recitation on outcome of radiotherapy for palliative radiotherapy patients was found.

Consideration and Conclusion

Cancer illness poses a great challenge in sustaining a sense of meaning and purpose in life, as well as not uncommonly precipitating a crisis of spirituality and faith. Being able to maintain a sense of meaning and spiritual well being appears to help terminally ill cancer patients cope better with death and have a better emotionally experience in their end of life. Research indicates that the religious beliefs and spiritual practices of patients are powerful factors for many in coping with serious illnesses such as cancer and in making ethical choices about their treatment options and in decisions about end-of-life care [100,101]. End of life decisions have a huge spiritual component. For most of the patients at an advanced stage cancer, cancer is considered an incurable disease that is related to magic, bad luck or a punishment from God [102,103], which means for some; terminally ill cancer diagnosis has the opposite effect on their sense of spirituality. It makes them doubt their beliefs or religious values, challenges their faith, and can cause spiritual distress. Thus some patients become angry with God for allowing them to get cancer or wonder if they are being punished. Spiritual distress can make it harder for patients to cope with cancer and its treatment. If cancer patients feel this way, it could have a negative effect on their attitude and progress. However, even people who are angry at God or are non-believers might benefit from talking to a spiritual counselor; experts say. Cancer patients in terminal stage tend to focus on religious issues increasingly. When 231 patients with end-stage cancer were asked what maintained their quality of life, their "relationship with God" was the most common response among 28 choices that included "how well I eat," "physical contact with those I care about," and "pain relief" [104]. Expressing feelings of shaken belief to someone who may be able to help restore faith, or even just understand their anger and doubts can be therapeutic. Also spirituality and faith may help patients and families find deeper meaning and experience a sense of personal growth during terminally cancer stage, while having end of life experience. Researchers emphasized that spiritual practices and faith can help terminally cancer patients to adjust with end of life experience.

Patients who rely on their faith or spirituality tend to experience increased hope and optimism, freedom from regret, higher satisfaction with life, and feelings of inner peace. Also, patients who practice a religious tradition or are in touch with their spirituality tend to be more compliant with end of life experience. Spiritual well-being offers some protection against end-of-life despair in those for whom death is imminent. Barry & William [105] findings have important implications for palliative care practice. Controlled research assessing the effect of spirituality-based interventions is needed to establish what methods can help engender a sense of peace and meaning. It is important to understanding that it would be a serious mistake to think that any spiritual intervention could



ever give a dying patient either a sense of dignity or a sense of hope [106]. Rather, the health professions must come to understand that the value and the meaning are already w present as given in every dying moment, waiting to be grasped by the patient. The professional's role is to facilitate this spiritual stirring, not to administer it. There are resources available in the religious and health care community that can help provide guidance and support. Cancer support programs can be particularly helpful in helping cancer patients and their families sustain this sense of meaning and purpose.

The development of specific counseling interventions to sustain meaning and hope for patients with advanced cancer, such as our "Meaning-Centered Psychotherapy" interventions hold promise as tools that can be utilized by Psycho-oncologists in their care of cancer patients as they approach the end of life. Spiritual well-being in patients with an advanced cancer has been found to positively correlate with subjective well-being [107,108], lower pain levels [109,110], hope and positive mood states [111,112], high self-esteem, social competence, purpose in life [113], and overall quality of life [114,115] that helps to terminally ill cancer patients to have better end of life experience.

Spirituality and faith increases psychological well-being by enhancing the availability of social support, improving the relationship with one's partner, offering a sense of meaning, controllability and predictability to life events, and reducing selffocus and worry while producing a feeling of calmness. Optimism for life is consistent with the latest studies of people with advanced cancer, which found that patients who turn to religion to cope with cancer are more likely to desire life saving measures to prolong their life [116] which optimism may improve life expectancy among terminally ill cancer patients. The most common coping strategy for cancer patients is praying alone or with others, as well as having others pray for them [117]. Although distinct, both are intertwined, as spirituality is considered to be the essence of a person, as if it were a search for meaning and purpose in life, while religiosity is the expression of spirituality itself, through rituals, dogmas and doctrines [118,119].

To summarize, studies have demonstrated a significant relationship between spirituality, faith, and life expectancy, end of life experience. Spirituality and faith, in its broadest sense addresses the meaning patients find in their lives particularly during times of distress, illness and dying [110-115]. Coordinating spirituality and faith as a crucial space of care will result in better end of life experience and improvement in life expectancy for terminally cancer patients. Terminally cancer patients facing death often experience a crisis of meaning. Some cancer patients are significantly comforted by their spiritual beliefs. Others may experience religious struggle or negative ways of coping with illness [115-120].

It is essential for terminally cancer patients that their social, spiritual, and religious beliefs be perceived and coordinated in the advancement of an arrangement of consideration and in choices that are made concerning end-of-life consideration. Respect for patient values and beliefs require competent communication skills in

health care professionals [121-125]. Research into the relationship between spirituality/fait and health outcomes and patient well-being is burgeoning. Such work requires that we stay in touch with our own feelings and that which provides meaning and value within our own lives, while working in a profession dedicated to the care of others [126,127].

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