



**ENHANCING SOCIAL SUPPORT FOR CANCER PATIENTS THROUGH THE INTERPLAY OF  
YOGA - A COMPREHENSIVE THEORETICAL REVIEW**

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Submitted on- 30-12-23

Revised on- 03-01-24

Accepted on-03-01-24

**ABSTRACT:**

In the realm of cancer care, this theoretical review meticulously examines the dynamic interplay between yoga and social support. Recognizing the pivotal role of robust support systems in the cancer journey, the paper integrates established theories of social support with the therapeutic potential of yoga. The scientific foundation section illuminates how yoga, extending beyond its physical dimensions, becomes a facilitator of social connections by unraveling both physiological and psychological benefits. The collective nature of yoga sessions is underscored, positing that group dynamics inherent in these practices significantly amplify social support networks. Temporal aspects of yoga in cancer care are explored, emphasizing how the timing and frequency of practice dynamically influence social support dynamics. Practical insights guide cancer patients in learning yoga, elucidating the supportive role of certified therapists and specialized programs. The holistic benefits of yoga, encompassing pain management, fatigue reduction, and emotional resilience, are presented through the lens of their impact on social well-being. Acknowledging the strain on caregivers, the review illuminates how yoga fortifies their ability to provide effective social support. Practical tips for seamlessly integrating yoga into a caregiver's routine underscore the significance of self-care in fostering optimal support. In conclusion, this theoretical review advocates for the integration of yoga into cancer care, positing it as a catalyst for enhancing social support. By unraveling the intricate relationship between yoga, social support, and the nuanced challenges of cancer, the paper calls for the inclusive incorporation of yoga into the broader landscape of supportive oncology care.

**Key Words:** Cancer care, Social support, Yoga therapy, Caregiver well-being, Integrative oncology

## 1. INTRODUCTION:

Cancer care extends beyond medical treatments<sup>[1]</sup>; it is a complex journey where emotional, psychological, and social aspects play pivotal roles<sup>[2]</sup>. Social support, the network of family, friends, and community, has been identified as a crucial determinant in the well-being and recovery of cancer patients<sup>[3]</sup>. The profound impact of a robust support system on mental health, treatment adherence, and overall quality of life is well-documented. As individuals navigate the challenges of diagnosis, treatment, and survivorship, the presence of a supportive community becomes a source of strength and resilience<sup>[4]</sup>.

In this context, yoga emerges as a potential game-changer in augmenting social support for cancer patients. While traditionally viewed as a physical and mental discipline, yoga extends beyond the individual to foster a sense of community and interconnectedness<sup>[5]</sup>. The introduction of yoga into cancer care not only addresses the physical and mental well-being of patients but also has the potential to strengthen social bonds<sup>[6]</sup>.

Yoga, with its origins deeply rooted in ancient philosophies, encompasses a holistic approach to health that aligns with the principles of social support<sup>[7]</sup>. The emphasis on

mindfulness, compassion, and unity within yoga philosophies resonates with the foundational elements of a strong support network. It is not just about the physical postures (asanas) or breathing techniques (pranayama) but also about cultivating an environment of understanding, empathy, and shared experience.

Introducing yoga into the cancer care narrative aims to go beyond the conventional boundaries of medical interventions. It proposes an integrative model where the community, through the practice of yoga, becomes an active participant in the healing process<sup>[8]</sup>. The synergy between yoga and social support is founded on the shared journey of individuals in a group setting, fostering a sense of belonging and shared purpose.

Yoga sessions tailored for cancer patients often create a safe and non-judgmental space where participants share physical practices and their emotional and psychological challenges<sup>[9]</sup>. The group dynamic inherent in many yoga classes encourages mutual support and camaraderie. Patients find solace in the fact that they are not alone in their struggles, forging connections that extend beyond the confines of the yoga studio.

The integration of yoga into cancer care further aligns with the evolving paradigm of

patient-centered healthcare<sup>[10]</sup>. Recognizing that patients are not merely passive recipients of medical interventions but active participants in their well-being, the incorporation of yoga underscores a shift toward holistic and patient-empowered approaches.

In conclusion, the introduction of yoga into the landscape of cancer care introduces a new dimension to the concept of social support. Beyond the physical and mental benefits, yoga has the potential to create a community of understanding and shared strength among cancer patients. This article delves into the scientific foundations, practical considerations, and the transformative potential of yoga in enhancing social support for individuals navigating the challenging terrain of cancer. As we explore the interconnected realms of yoga and social support, we uncover a promising avenue for comprehensive and patient-centric cancer care.

## **2. Methodology:**

This comprehensive theoretical review synthesizes existing literature to explore the intersection of social support and yoga in cancer care. The methodology involves a systematic examination of academic databases for articles about social support in cancer contexts and the scientific underpinnings of yoga. Theoretical foundations are established

by integrating social support frameworks with the potential benefits of yoga. Scientific evidence supporting yoga's efficacy is critically evaluated, emphasizing its physiological, psychological, and social impact on cancer patients. Insights from group dynamics in yoga sessions are analyzed to understand their contribution to enhanced social support. The methodology combines rigorous literature analysis with a theoretical lens to provide a nuanced understanding of how yoga can augment social support in the cancer care journey.

## **3. The Synergy of Social Support Theories and Yoga's Scientific Impact**

### **a. Theoretical Foundations of Social Support in Cancer Care:**

Social support plays a pivotal role in the holistic well-being of cancer patients<sup>[11]</sup>. In understanding its impact, it's essential to explore the theoretical frameworks that underpin social support in the context of cancer care. The social support theory encompasses various models, including the buffering hypothesis and the main effects model.

The buffering hypothesis proposes that social support acts as a protective factor during stressful situations, such as a cancer diagnosis<sup>[12]</sup>. This theory suggests that individuals with robust social networks

experience less psychological distress in challenging circumstances. In the cancer journey, a supportive social environment can mitigate the emotional burden and enhance coping mechanisms. The main effects model, on the other hand, posits that social support has direct, positive effects on an individual's well-being. In cancer care, this translates to the idea that consistent, positive social interactions contribute directly to improved mental health and overall quality of life<sup>[13]</sup>. Both models emphasize the fundamental role of social support in fostering resilience and aiding the coping process for cancer patients. The integration of alternative interventions, like yoga, introduces a novel dimension to these theoretical frameworks. Yoga becomes a facilitator and enhancer of social support, aligning with the main effects model by directly contributing to the well-being of cancer patients<sup>[14]</sup>. The concept of integrating yoga into the social support paradigm stems from recognizing the multifaceted nature of support. Traditional social support often involves verbal communication and emotional expression. Yoga, as a holistic practice, introduces non-verbal, physical elements that complement the existing social support mechanisms.

The embodiment of support within yoga sessions creates a unique dynamic. Shared

yoga experiences foster a sense of togetherness and mutual understanding among participants<sup>[15]</sup>. The collective practice, even in silence, establishes a non-judgmental and supportive environment. This shared experience aligns with the buffering hypothesis, providing a protective factor against the stressors associated with cancer. Moreover, yoga introduces a shared language of movement and breath. The synchronized practice promotes a sense of unity and interconnectedness among participants. This non-verbal form of communication, grounded in the principles of yoga philosophy, strengthens the bonds of social support<sup>[16]</sup>.

The incorporation of yoga into the social support paradigm aligns with the evolving nature of supportive care in oncology<sup>[17]</sup>. It acknowledges that support is not solely verbal or emotional but can be embodied and experiential. Yoga, as an alternative intervention, complements the existing theoretical foundations of social support by expanding the avenues through which individuals can connect and find solace in their cancer journey. Understanding the theoretical foundations of social support in cancer care provides a framework for recognizing the profound impact of supportive interventions like yoga. Integrating yoga into the social support paradigm expands the spectrum of

support, acknowledging the diverse ways individuals can find strength, resilience, and connection in the face of cancer. This synthesis of theories and practices represents a holistic approach to cancer care that embraces both traditional and alternative forms of support.

#### **b. Scientific Foundation of Yoga in Enhancing Social Support:**

An extensive body of research supports the efficacy of yoga as a complementary intervention in cancer care<sup>[18]</sup>. Scientific investigations have delved into the physiological and psychological dimensions of yoga, revealing its potential to enhance the overall well-being of cancer patients<sup>[19]</sup>. These outcomes include stress reduction, improved quality of life, and alleviation of treatment-related symptoms.

Yoga's impact on cancer patients extends beyond its physical aspects. Physiologically, yoga has been linked to reduced inflammation, improved immune function, and better management of treatment side effects<sup>[20]</sup>. Psychologically, the practice of yoga incorporates mindfulness and relaxation techniques, contributing to decreased anxiety and depression levels among cancer patients<sup>[21]</sup>. The holistic nature of yoga aligns with the biopsychosocial model of health, addressing not only the physical symptoms but

also the psychological and social aspects of the cancer experience.

The group dynamics inherent in yoga sessions create a unique platform for enhanced social support. The shared experience of facing similar health challenges fosters a sense of camaraderie among participants. The non-competitive and inclusive nature of yoga classes encourages mutual support, creating a community where individuals feel understood and accepted<sup>[22]</sup>. This collective journey, both in the practice of yoga and the cancer experience, contributes to the development of a robust social support network. Group yoga sessions often involve elements of partner or group activities. These interactive components strengthen the bonds between participants. Whether through partner poses, group meditations, or shared reflections, the interpersonal interactions within yoga sessions provide avenues for meaningful connections. This shared engagement contributes to the buffering hypothesis, offering a protective factor against the psychosocial stressors associated with cancer. The scientific foundation of yoga in enhancing social support for cancer patients is grounded in rigorous research that validates its efficacy. The physiological and psychological benefits of yoga contribute not only to individual well-

being but also to the dynamics of social support within a group setting.

#### **4. Strategic Integration Guidelines for Optimal Socially-Supportive Yoga Practices**

##### **a. Timing and Frequency of Yoga in Cancer Care:**

Determining the opportune moments for integrating yoga into the cancer care journey is crucial for optimizing its benefits. Yoga can be introduced at various stages, beginning with the diagnosis and extending through treatment, survivorship, and even end-of-life care<sup>[23]</sup>. During the diagnostic phase, gentle and restorative yoga may provide emotional support, helping individuals navigate the shock and uncertainty of their diagnosis. Throughout treatment, adapted practices can address physical limitations and aid in symptom management. In survivorship, yoga becomes a tool for reclaiming a sense of normalcy and promoting long-term well-being.

Adaptability is key when considering yoga as a social support component during different phases of cancer treatment. In the acute treatment phase, gentle practices focusing on breathwork and meditation can alleviate immediate stressors<sup>[24]</sup>. During recovery, more physical aspects of yoga, tailored to individual capacities, can aid in regaining strength. In the survivorship phase, group yoga sessions can provide a shared space for individuals with

similar experiences, fostering a sense of community and mutual support.

Integrating yoga into the cancer care journey isn't just about the individual's practice; it extends to the social dynamics within the yoga setting. Group sessions during treatment phases create a supportive environment where participants share not only the physical practice but also their emotional and mental struggles<sup>[25]</sup>. Peer support within the yoga community can be particularly impactful during challenging phases, creating bonds that extend beyond the yoga studio. Additionally, instructors trained in adapting practices for various treatment phases contribute to the overall social support experience, ensuring inclusivity and understanding.

##### **b. Learning Yoga in the Cancer Journey:**

Initiating a yoga practice during the cancer journey involves personalized considerations<sup>[26]</sup>. Cancer patients can begin with gentle, beginner-friendly practices that prioritize comfort and mindfulness. Learning the basics of breathwork and foundational postures forms a solid starting point. Online resources, specialized videos, or guided sessions from trained professionals can offer accessible ways for individuals to begin their practice from the comfort of their homes. This self-paced initiation ensures that individuals can tailor their practice to their energy levels

and physical abilities, fostering a sense of empowerment.

Certified yoga therapists play a pivotal role in creating a supportive environment for cancer patients<sup>[27]</sup>. These experts, with training in adapting practices for varying abilities and health conditions, guide modifications and ensure the safety and comfort of participants. Specialized programs designed for cancer patients offer a structured and understanding space where individuals share similar health challenges. In this shared context, participants not only receive physical guidance but also form connections with others facing comparable struggles, reinforcing the social support aspect of the yoga experience.

The learning process in yoga is inherently social, even in individual practice. Certified therapist contributes not only to the physical guidance but also to the emotional and psychological well-being of participants. Their understanding of the challenges specific to cancer patients fosters an environment where individuals feel seen and supported. Group classes, whether in-person or virtual, provide a sense of camaraderie. Shared experiences within these specialized programs enhance the social fabric, creating connections that extend beyond the yoga mat. In this way, learning yoga becomes a communal journey, enriching the overall support system for cancer patients.

Learning Yoga in the Cancer Journey involves detailed recommendations for safe yoga practices and practices to approach with caution or avoid, emphasizing the crucial role of social support during sessions. To ensure a safe and beneficial practice, cancer patients are advised to prioritize gentle and restorative yoga styles, focusing on controlled movements and conscious breathwork. Poses that enhance flexibility, strength, and balance are generally encouraged, with modifications as needed. Open communication with the therapist about any discomfort and making necessary modifications is essential, forming the foundation for a safe and supportive yoga practice.

### **5. Analysis of Recent Studies on Yoga as a Social Support Aspect: A Focus on Quality of Life**

To systematically analyze recent advancements in the integration of yoga as a social support aspect in cancer care, this review meticulously evaluates select studies, particularly emphasizing Randomized Controlled Trials (RCTs) and clinical trials from the past decade. The ensuing table provides a condensed yet comprehensive overview of these studies, spotlighting methodological approaches, key findings, and their implications. This purposeful compilation aims to distill insights from recent research

endeavors, offering a nuanced understanding for cancer survivors.  
 of how yoga contributes to the quality of life

**Table 1: Analysis of Recent Studies on Yoga as a Social Support Aspect**

| Study   | Aim   | Participants & Intervention   | Key Findings/Outcome   |
|---|---|---|--|
| Qualitative similarities and distinctions between participants' experiences with a yoga intervention and an attention control <sup>[28]</sup> | To compare and contrast the acceptability and perceived benefits of yoga-skills training (YST) and empathic listening attention control (AC) in adults receiving chemotherapy infusions for gastrointestinal cancer.                        | Yoga-skills training (YST) and empathic listening attention control (AC) for 14 weeks | Participants in the Yoga Skill Training (YST) highlighted the importance of privacy, social support, and self-efficacy in fostering increased engagement in yoga. Specific benefits observed in the YST group encompassed elevated positive emotions and more significant improvements in fatigue and other physical symptoms. |
| Effects of yoga in men with prostate cancer on quality of life and immune response: a pilot randomized controlled trial <sup>[29]</sup>       | To investigate the impact of yoga on health-related quality of life (QoL) in patients with prostate cancer, addressing the current gap in evidence regarding the efficacy of yoga in enhancing QoL specifically in this patient population. | Perioperative yoga exercise for 6 weeks   | Yoga significantly improved the quality of life in prostate cancer patients, and its practice was associated with positive immune responses and indicators of antitumor activity. The findings highlight the potential holistic benefits of yoga in prostate cancer care.  |
| Dyadic yoga program for patients undergoing thoracic radiotherapy and their family caregivers: Results of a                                   | To assess the feasibility and preliminary efficacy of a dyadic yoga (DY) intervention as a supportive care  | Dyadic yoga (DY) intervention for 15-session  | The dyadic yoga intervention demonstrated high feasibility and yielded significant clinical improvements for patients, including increased physical  |

|   |  |                                       |  |
|---|--|---------------------------------------|--|
| <p>pilot randomized controlled trial<sup>[30]</sup></p>   | <p>strategy for patients undergoing thoracic radiotherapy (TRT)</p>  |                                       | <p>and social function. Caregivers in the intervention group also reported marginally clinically significant improvements in vitality and role performance.</p>  |
| <p>The effects of yoga and self-esteem on menopausal symptoms and quality of life in breast cancer survivors- A secondary analysis of a randomized controlled trial<sup>[31]</sup>.</p> | <p>To investigate whether self-esteem mediates the impact of yoga on the quality of life, fatigue, and menopausal symptoms in breast cancer survivors, building on prior research that suggests yoga's positive influence on these outcomes.</p> | <p>Yoga Intervention for 24 weeks</p> | <p>Self-esteem mediated the positive impact of yoga on total menopausal symptoms, psychological menopausal symptoms, urogenital menopausal symptoms, quality of life, social well-being, emotional well-being, functional well-being, and fatigue, with no effect on somato-vegetative menopausal symptoms or physical well-being.</p> |

The multifaceted role of yoga in enhancing social support for cancer patients is explored in this comprehensive theoretical review, drawing insights from diverse studies. In the context of chemotherapy for gastrointestinal cancer, Yoga Skills Training (YST) emerges as a crucial intervention, fostering engagement through elements of privacy, social support, and self-efficacy. Participants in the YST group report elevated positive emotions and significant improvements in fatigue, underscoring yoga's potential psychosocial and physiological benefits.

Turning to prostate cancer care, a randomized controlled trial demonstrates yoga's significant enhancement of health-related quality of life (QoL) and suggests potential antitumor activity, emphasizing the holistic advantages of yoga in this patient population. Further, a dyadic yoga intervention during thoracic radiotherapy showcases high feasibility and notable clinical improvements for patients, with caregivers reporting marginally significant enhancements, emphasizing the familial support potential of yoga.

In breast cancer survivors, self-esteem emerges as a crucial mediator, linking yoga to positive outcomes in menopausal symptoms, quality of life, and emotional well-being. These insights collectively underscore yoga's potential as a comprehensive tool, offering not only physical benefits but also fostering a supportive environment for individuals navigating the complexities of cancer.

## **6. Comprehensive Wellness Impact of Yoga for Patients and Caregivers with Special Emphasis on Social Support**

### **a. Benefits of Yoga for Cancer Patients:**

Yoga emerges as a transformative practice with a profound impact on the holistic well-being of cancer patients<sup>[32]</sup>. Beyond its physical benefits, yoga significantly influences mental and social dimensions. Participants experience enhanced physical strength, flexibility, and balance, contributing to an improved overall quality of life<sup>[33]</sup>. The mind-body connection established through yoga fosters a sense of unity, not only within oneself but also within the larger community of practitioners. This interconnectedness forms the basis for the social support network that evolves within the yoga community.

The multifaceted benefits of yoga for cancer patients extend to crucial aspects of social support, emphasizing its role in pain management, fatigue reduction, and

emotional resilience<sup>[34]</sup>. Tailored yoga practices equip participants with tools for pain management, fostering a sense of self-efficacy in navigating physical discomfort. The alleviation of fatigue, a common challenge in cancer care, enhances the capacity for social engagement. Emotional resilience cultivated through yoga empowers individuals to confront the emotional complexities of their journey, laying a foundation for mutual understanding and support within the yoga community.

Viewed through the lens of social support, the holistic benefits of yoga amplify the collective experience of participants. Shared aspects of pain, fatigue, and emotional challenges create empathy and understanding among individuals. The group dynamics of yoga sessions not only support participants through shared struggles and triumphs but also nurture relationships beyond the mat. The benefits of yoga, particularly when focused on social support, extend into the creation of a supportive community within the yoga setting. Participants experience personal transformation and become integral components of a collective journey toward overall well-being.

### **b. Yoga for Caregivers:**

Caregivers in the cancer journey often shoulder immense physical, emotional, and

psychological burdens<sup>[35]</sup>. Recognizing the unique challenges, they face is crucial for understanding the potential benefits that yoga can offer. Caregivers may experience stress, fatigue, and emotional exhaustion, highlighting the need for interventions that address their well-being comprehensively. The strain on caregivers is not merely physical; it extends to the intricate dimensions of providing emotional support to their loved ones during challenging times<sup>[36]</sup>.

Yoga presents a valuable avenue for caregivers to address the multifaceted challenges they encounter. In terms of physical well-being, yoga practices tailored for caregivers focus on releasing tension, improving flexibility, and restoring energy levels<sup>[37]</sup>. These physical benefits contribute to the caregiver's ability to meet the demands of their role effectively. Importantly, yoga's impact on mental well-being is significant. Mindfulness practices inherent in yoga offer caregivers tools to manage stress, cultivate resilience, and maintain emotional equilibrium<sup>[38]</sup>.

Recognizing the demanding nature of caregiving, it's vital to provide caregivers with practical strategies for seamlessly integrating yoga into their daily routines. This involves identifying pockets of time conducive to short, rejuvenating yoga sessions. Encouraging caregivers to allocate dedicated moments,

even if brief, for their yoga practice, can make a substantial difference. Practical tips may include creating a tranquil space at home for yoga, utilizing online resources for flexibility, and exploring adaptive practices that accommodate varied schedules.

The incorporation of yoga into the caregiver routine is not just a self-indulgent practice; it's a strategic investment in self-care. By prioritizing their well-being, caregivers enhance their capacity to provide sustained and meaningful social support<sup>[39]</sup>. By emphasizing the importance of self-care, caregivers not only enhance their well-being but also contribute to the creation of a supportive environment that extends to those they care for in the cancer journey.

## **7. CONCLUSION:**

In summarizing the profound impact of yoga in cancer care, it becomes evident that its advantages extend beyond the physical and psychological realms to significantly enhance social support. The integration of yoga into the cancer care journey proves to be a dynamic and multifaceted approach, fostering connections and support networks that contribute to the overall well-being of patients and caregivers. Yoga, as explored throughout this framework, emerges as an inclusive practice that bridges gaps between patients and caregivers in the context of social support.

Its benefits are not confined to the individual but ripple through relationships, creating a shared space for healing. The inclusive nature of yoga means that its potential to strengthen the fabric of social support is accessible to both patients and caregivers, enriching their collaborative efforts in navigating the complexities of the cancer journey.

This concluding perspective positions yoga as a catalyst for the creation of supportive networks within the cancer care ecosystem. The benefits of yoga, whether physical, mental, or social, contribute to a more comprehensive and integrated approach to care. As patients and caregivers engage in the practice of yoga, they not only invest in their well-being but actively participate in the co-creation of a supportive environment that nurtures everyone involved in the challenging landscape of cancer care.

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Anantha Krishna B S, Praveen Kumar Sheelam. Enhancing Social Support for Cancer Patients through the Interplay of Yoga - A Comprehensive Theoretical Review. *Jour. of Ayurveda & Holistic Medicine*, Vol.-XI, Issue-XII (Dec. 2023).

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#### CITE THIS ARTICLE AS

Anantha Krishna B S, Praveen Kumar Sheelam. Enhancing Social Support for Cancer Patients through the Interplay of Yoga - A Comprehensive Theoretical Review. *J of Ayurveda and Hol Med (JAHM)*. 2023;11(12): 185-199

**Conflict of interest:** None

**Source of support:** None