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Understanding Health-Related Quality of Life among Lung Cancer Patients in India: Challenges and Opportunities.

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Introduction:

Lung cancer stands as a significant public health challenge globally, with its burden particularly

pronounced in India. Health-related quality of life (HRQoL) is a crucial aspect of lung cancer

management, reflecting the impact of the disease and its treatment on various domains of

patients' lives. In India, where the healthcare landscape is diverse and resources are often

limited, understanding the HRQoL among lung cancer patients is paramount for improving

care and addressing the unique challenges they face.

Understanding Health-Related Quality of Life:

Health-related quality of life encompasses physical, psychological, social, and functional

aspects of an individual's well-being in the context of their health status and healthcare

interventions. For lung cancer patients, HRQoL is profoundly influenced by disease-related

symptoms, treatment side effects, psychological distress, social support, and financial

constraints.

Challenges Faced by Lung Cancer Patients in India:

1. Late Diagnosis: Lung cancer in India is often diagnosed at advanced stages, leading to

poorer outcomes and increased symptom burden, which significantly affects HRQoL.

2. Limited Access to Healthcare: Disparities in healthcare access and infrastructure across

different regions of India result in unequal access to timely diagnosis, treatment, and

supportive care services for lung cancer patients.

3. Stigma and Psychosocial Impact: Lung cancer is associated with stigma and

misconceptions, leading to social isolation, psychological distress, and diminished

HRQoL among patients and their families.

4. Financial Strain: The high cost of lung cancer treatment, coupled with limited health

insurance coverage and out-of-pocket expenditures, imposes a substantial financial

burden on patients, affecting their HRQoL and treatment adherence.

205



Peer Reviewed Journal ISSN 2581-7795

Factors Influencing Health-Related Quality of Life:

- 1. Symptom Burden: Common symptoms of lung cancer, such as dyspnea, cough, fatigue, and pain, significantly impact patients' physical functioning and overall HRQoL.
- 2. Treatment Side Effects: Chemotherapy, radiation therapy, and surgery for lung cancer can lead to debilitating side effects, including nausea, vomiting, hair loss, and fatigue, which adversely affect patients' HRQoL.
- 3. Psychological Distress: Anxiety, depression, and existential concerns are prevalent among lung cancer patients in India, contributing to diminished HRQoL and affecting treatment compliance and decision-making.
- 4. Social Support: Adequate social support from family, friends, and healthcare providers plays a crucial role in enhancing coping mechanisms, resilience, and HRQoL among lung cancer patients.
- 5. Palliative Care: Integrating palliative care early in the management of lung cancer improves symptom control, enhances communication, and optimizes HRQoL for patients and their families.

Improving Health-Related Quality of Life for Lung Cancer Patients:

- 1. Early Detection and Diagnosis: Implementing lung cancer screening programs and raising awareness about early symptoms can facilitate timely diagnosis and intervention, improving patients' HRQoL.
- 2. Multidisciplinary Care: Adopting a multidisciplinary approach involving oncologists, pulmonologists, surgeons, palliative care specialists, and psychosocial support teams ensures comprehensive care addressing the diverse needs of lung cancer patients.
- 3. Supportive Care Services: Access to supportive care services, including symptom management, psychosocial support, nutritional counseling, and rehabilitation programs, is essential for optimizing HRQoL throughout the lung cancer continuum.
- 4. Education and Counseling: Providing patients and caregivers with information about the disease, treatment options, symptom management strategies, and psychosocial support resources empowers them to make informed decisions and cope effectively with the challenges of lung cancer.
- 5. Policy and Advocacy: Advocating for policies that promote equitable access to quality healthcare, including affordable cancer treatment, health insurance coverage, and

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palliative care services, is critical for addressing the socio-economic determinants of

HRQoL among lung cancer patients in India.

Conclusion:

Health-related quality of life is a multidimensional construct influenced by various clinical,

psychological, social, and environmental factors among lung cancer patients in India.

Addressing the challenges and optimizing HRQoL requires a holistic approach encompassing

early detection, multidisciplinary care, supportive services, patient education, and policy

advocacy. By prioritizing patient-centered care and fostering collaboration among

stakeholders, India can enhance the well-being and outcomes of individuals living with lung

cancer, ultimately improving the quality of life for patients and their families across the

country.

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207



Peer Reviewed Journal ISSN 2581-7795

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