

Conference Abstract ✔ Free

Nursing rehabilitation program to patients who underwent surgical lung resection

Maria Loureiro | João Duarte | Sérgio Vaz [Show More ▾](#)

European Respiratory Journal 2025 66(suppl 69): OA3317; DOI:
<https://doi.org/10.1183/13993003.congress-2025.OA3317>



This article appears in:

European Respiratory Journal

Vol 66 Issue suppl 69

Permissions

Add to Favourites

Labels

Cite

Share

Alerts

Focus [← Previous](#) [Next →](#)

Article

Info & Metrics

Abstract

People with lung cancer who require surgery as a form of treatment generally experience a decline in their functionality and respiratory capacity. Respiratory rehabilitation programs benefit the person being cared for by reducing exacerbations and recovering or maintaining lung function, with an impact on independence and quality of life. To analyze the effect of the rehabilitation nursing program on people undergoing lung resection. A descriptive, observational, correlated, and quantitative study was carried out in a cardiothoracic surgery service in Portugal. Non-probabilistic sample for convenience, with variables of functional capacity, respiratory capacity, ability to carry out activities of daily living, and resolution of diagnoses activity intolerance and potential to optimize ventilation being analyzed. Adverse events related to Re(h)ability4life program and the level of satisfaction with rehabilitation care were measured. 22 patients undergoing lung resection surgery were included, 77.3% lobectomies, 86.4% by VATS, with a mean age of 67.77 years (± 7.08), and 55.5% were gender masculine. All patients completed the rehabilitation program, and no adverse events were identified. The functional capacity (6MWT) was improved with a gain of 21.68 meters. Inspiratory volume increased to 45.45ml compared to the preoperative period and peak of expiratory flow, recovering 94.75% of the value. There was an increase in the perceived quality of life, with overall satisfaction with rehabilitation nursing care being very positive. The pre-and postoperative rehabilitation nursing program positively impacts functional capacity, respiratory recovery, therapeutic self-care capacity, and increasing quality of life.

Footnotes

Cite this article as *Eur Respir J* 2025; 66: Suppl. 69, OA3317.

This article was presented at the 2025 ERS Congress, in session "Nursing role in global respiratory health".

This is an ERS Congress abstract. No full-text version is available. Related materials (such as slides or recordings) will be accessible *via* the ERS Respiratory Channel at <https://channel.ersnet.org/programme-live-418>

 Focus  Previous  Next 

We recommend

Outcomes of pulmonary rehabilitation after lung resection in patients with lung cancer

Hulya Sahin, *European Respiratory Journal*, 2021

Postoperative rehabilitation in COPD patients with lung cancer

Tracer Methodology 101: Tracing Pain Management in a Nursing Care Center 

Joint Commission: The Source

Alina Ionela Croitoru, European Respiratory Journal, 2017

Daily Physical Activity as an Outcome Measure for Pulmonary Rehabilitation in Patients Undergoing Thoracoscopic Lung Cancer Surgery

Yuta Takahashi, European Respiratory Journal, 2017

Short Term Multidisciplinary Pulmonary Rehabilitation Is Effective In Early Stage Non Small Cell Lung Cancer

Seher Satar, European Respiratory Journal, 2020

The importance of sleeve resections preservation of pulmonary reserve in metachronous lung cancers

European Respiratory Journal, 2019

Engaging Frontline Staff in Performance Improvement: The American Organization of Nurse Executives Implementation of Transforming Care at the Bedside Collaborat... [↗](#)

Needleman, Jack, Jt Comm J Qual Patient Saf

Tracer Methodology 101: Assessment Tracer in a Nursing Care Center [↗](#)
Joint Commission: The Source

Are lower preoperative serum sodium levels associated with postoperative surgical site infection? Results from a propensity matched case-control study [↗](#)

N. Naidoo Naidoo, The Journal of Medical Laboratory Science and Technology of South Africa, 2021

Benchmark®: Key Quality Measures: Achieving High Performance on SCIP-9 [↗](#)
Joint Commission: The Source

Powered by **TREND MD**



Related Articles

Prognostic factors for surgical resection in ...

Prognostic value of SUVmax in patients with l...

Foxp3+ cells are running the show in patients...

Show More

Related Books

Pulmonary Rehabilitation

Antibiotics and the lung

Lung Cancer

Show More ▼

Related Book Chapters

The surgical treatment of lung cancer

Surgical treatment for lung cancer

Management of early stage lung cancer: a surg...

Show More ▼

Article Sections

Top

Abstract



Content

Journals

Books

About

About us

Accessibility

Information for

Authors

Institutions

Contact us

Press

Permissions

Readers

Terms of use

Reviewers

© European Respiratory Society. All rights reserved.

[Privacy policy](#) | [Cookie information](#)