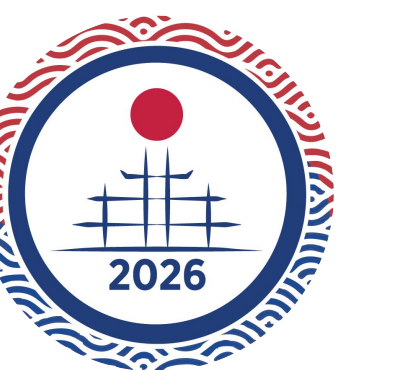




Current Smoking Is Associated with Worse Functional and Global Quality of Life After Radiotherapy for Lung Cancer: A Real-World Cohort



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INTRODUCTION

Smoking →

**Lung cancer
outcomes &
Patient QoL**



Not well characterized in real-world settings from low- and middle-income countries.

METHODS

- A **retrospective real-world study** of adult patients with lung cancer treated with definitive or palliative radiotherapy between 2020 and 2026 at a single institution.
- **EORTC QLQ-C30** domains adapted to local clinical practice (0-4 scale; higher scores indicating worse outcomes).
- **Global QoL**: the mean score across functional, emotional, cognitive, social, and global health domains.
- **Outcomes** were dichotomized as better (<2) versus worse (≥2).
- **Current smoking**: was defined as active tobacco use at the time of QoL assessment.
- **Multivariable logistic regression** evaluated the association between current smoking and QoL outcomes after adjusting for age, disease stage, performance status, and CNS metastases.

DISCUSSION AND CONCLUSION

Current smoking was independently associated with worse global and functional QoL in this real-world cohort of lung cancer patients treated with radiotherapy.

Although limited by sample size and use of a structured locally adapted QoL instrument, these findings support routine **integration of smoking cessation interventions into thoracic oncology care.**

REFERENCES & ACKNOWLEDGEMENTS

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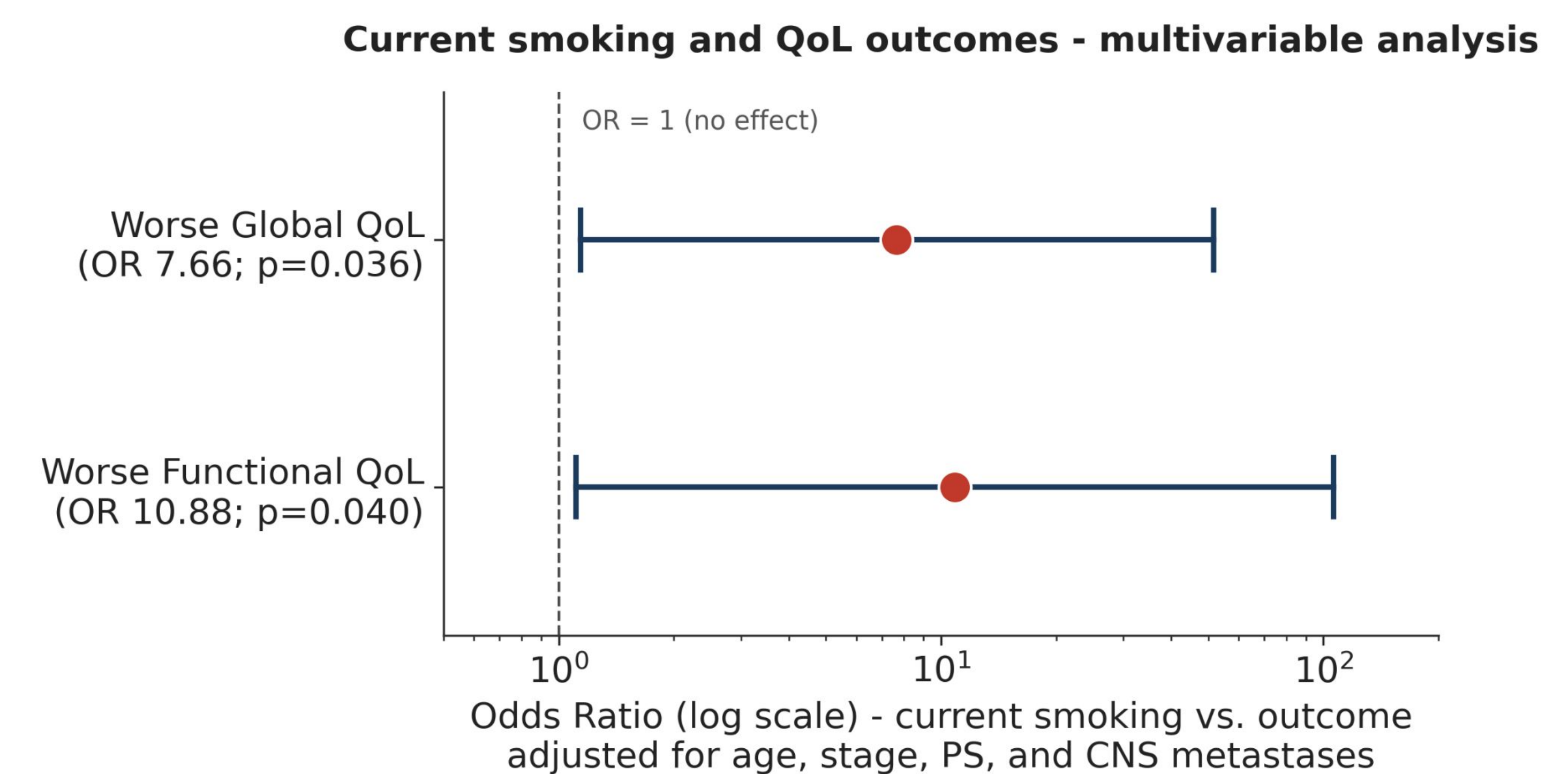
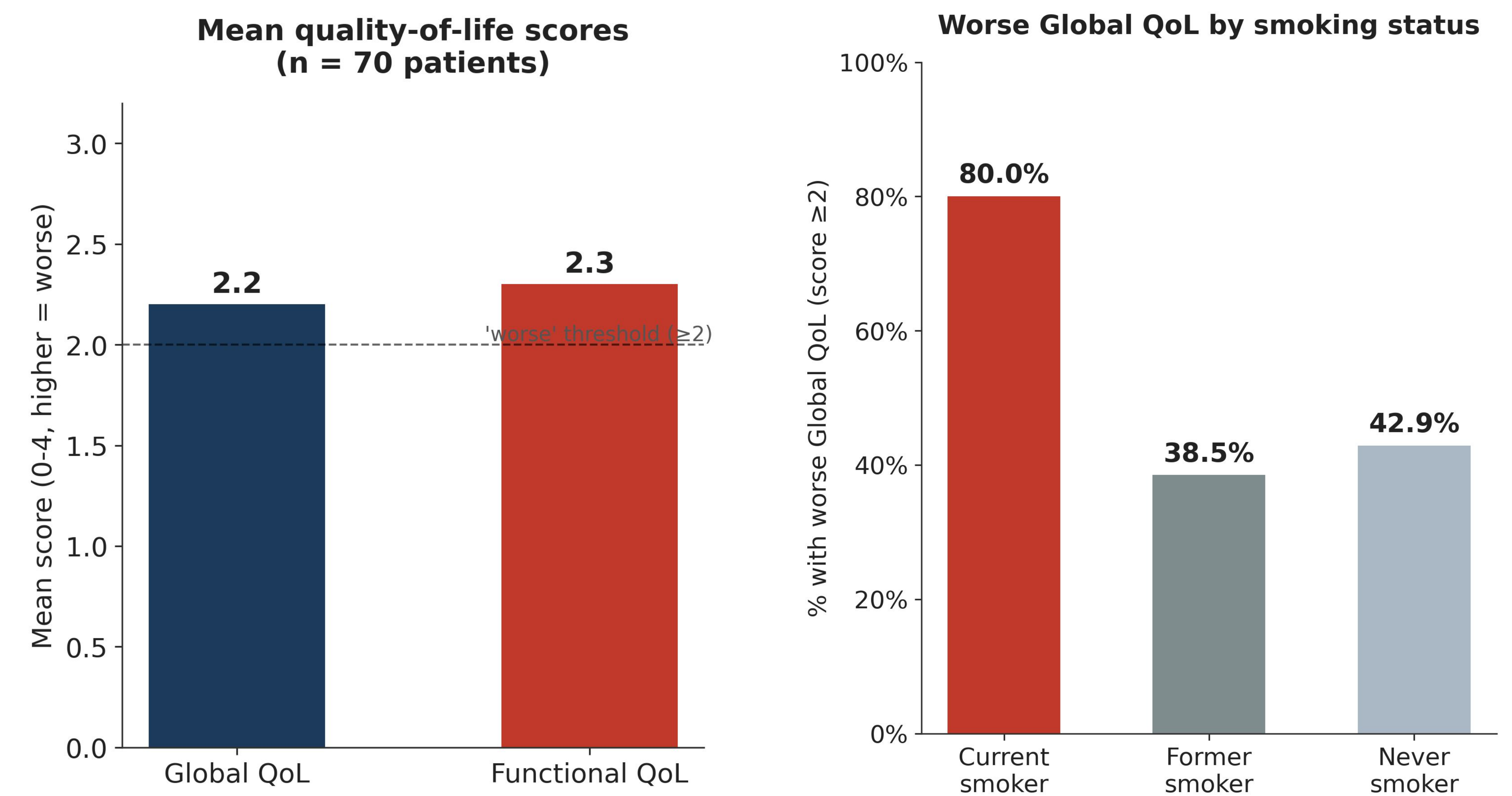
**Quality of Life of
Cancer Patients -
EORTC-QLQ-C30**
Available: qol.eortc.org



RESULTS

70 patients were included.

90% of current smokers with worse scores → functional QoL domain.



- Age, stage, and CNS metastases were not significantly associated
- No significant associations were observed in emotional, cognitive, social, or global health domains.