



P2.069: Interobserver Variability in IASLC Lymph Node Station Classification During Pulmonary Segmentectomy: A Multicenter Video-Based Study

E. Rocha Júnior^{1,2}, I. Gobira Chagas^{1,2}, J. Vieira de Oliveira Salerno^{1,2}, P.M. Pego-Fernandes¹, R. Mingarini Terra^{1,2}

¹University of São Paulo, ²Einstein Hospital Israelita

Correspondence: eservlr@gmail.com



IASLC 2026 World
Conference on Lung Cancer

SEPTEMBER 12 – 15, 2026
SEOUL, REPUBLIC OF KOREA

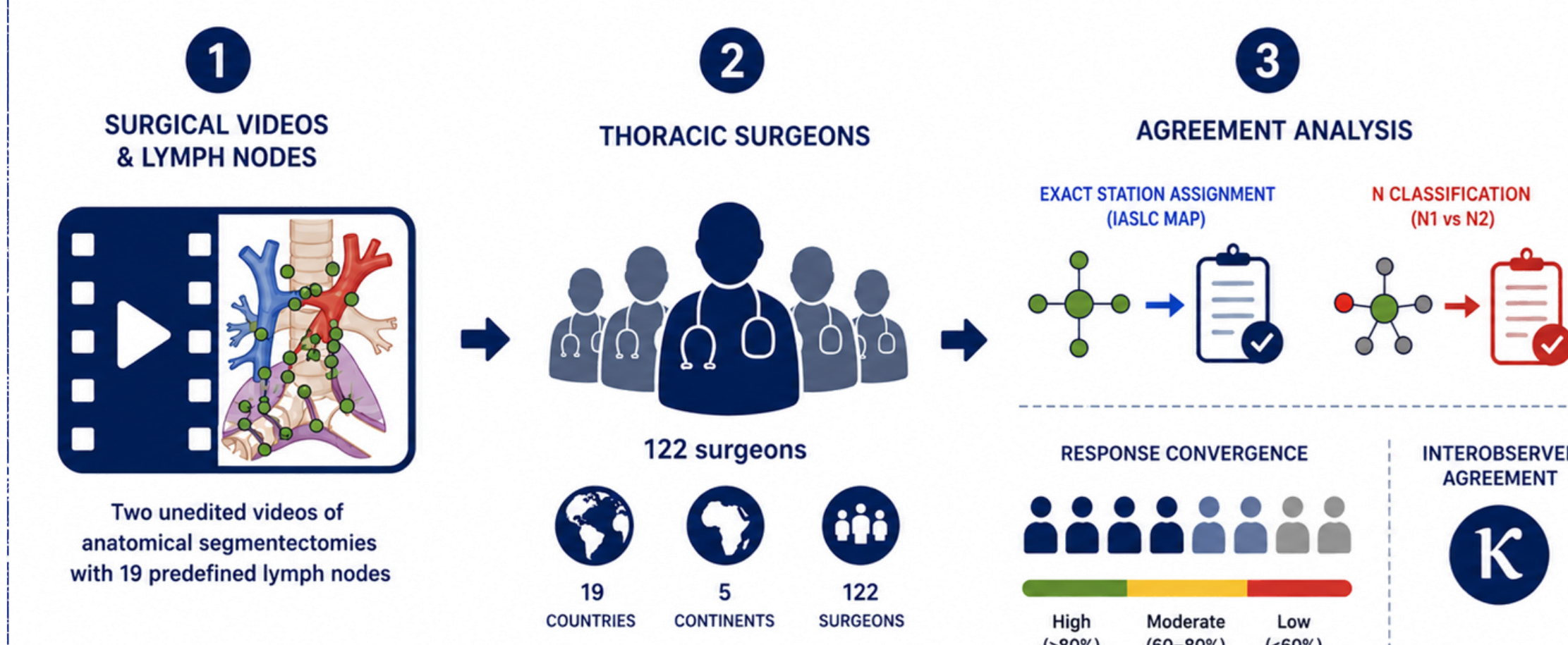
INTRODUCTION

Accurate lymph node station assignment according to the IASLC map is critical for lung cancer staging. However, intraoperative identification of anatomical boundaries may be challenging where hilar, interlobar, and intrapulmonary lymph nodes are exposed from different perspectives. The reproducibility of IASLC station assignment in real surgical settings remains poorly defined.

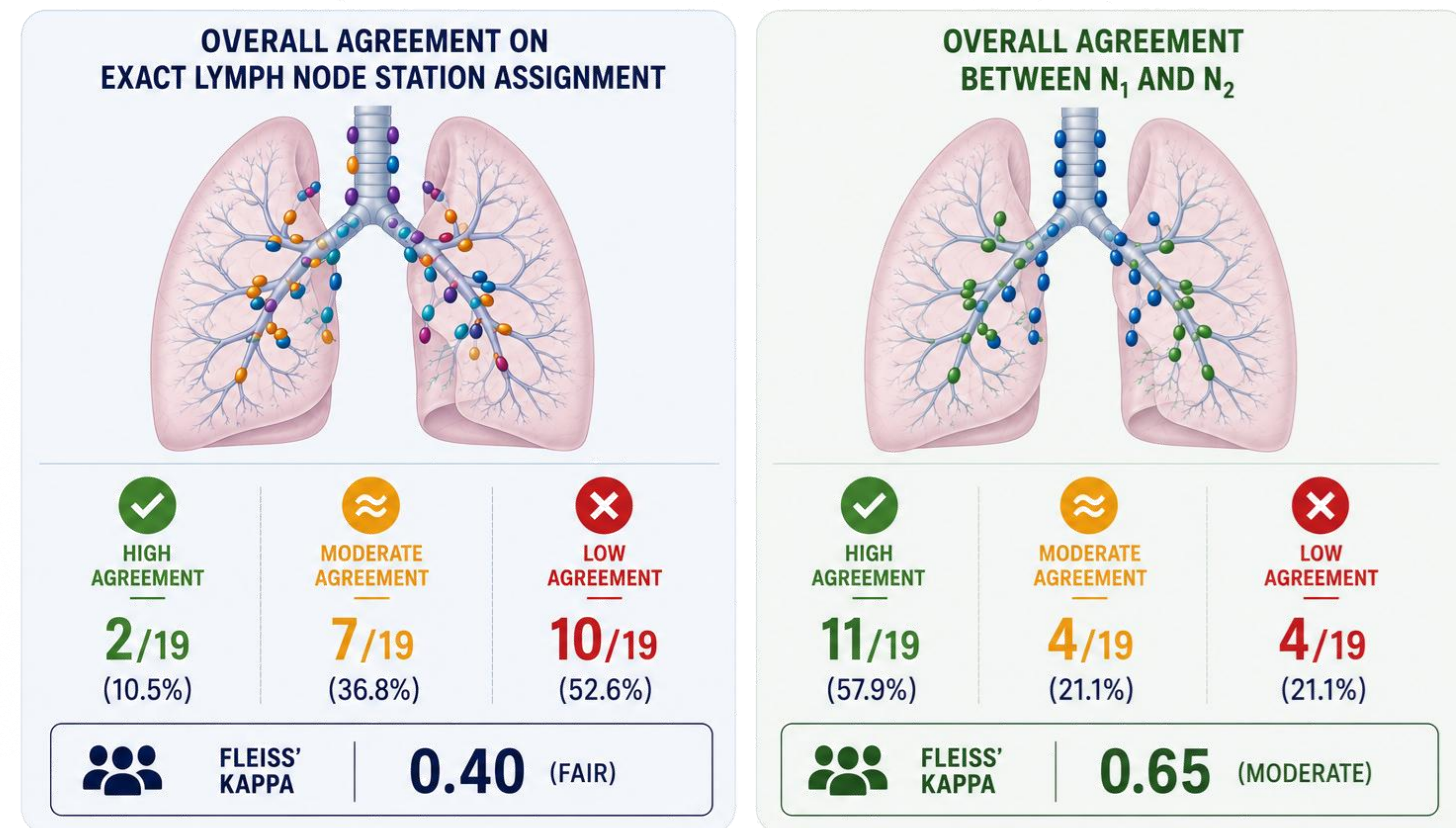
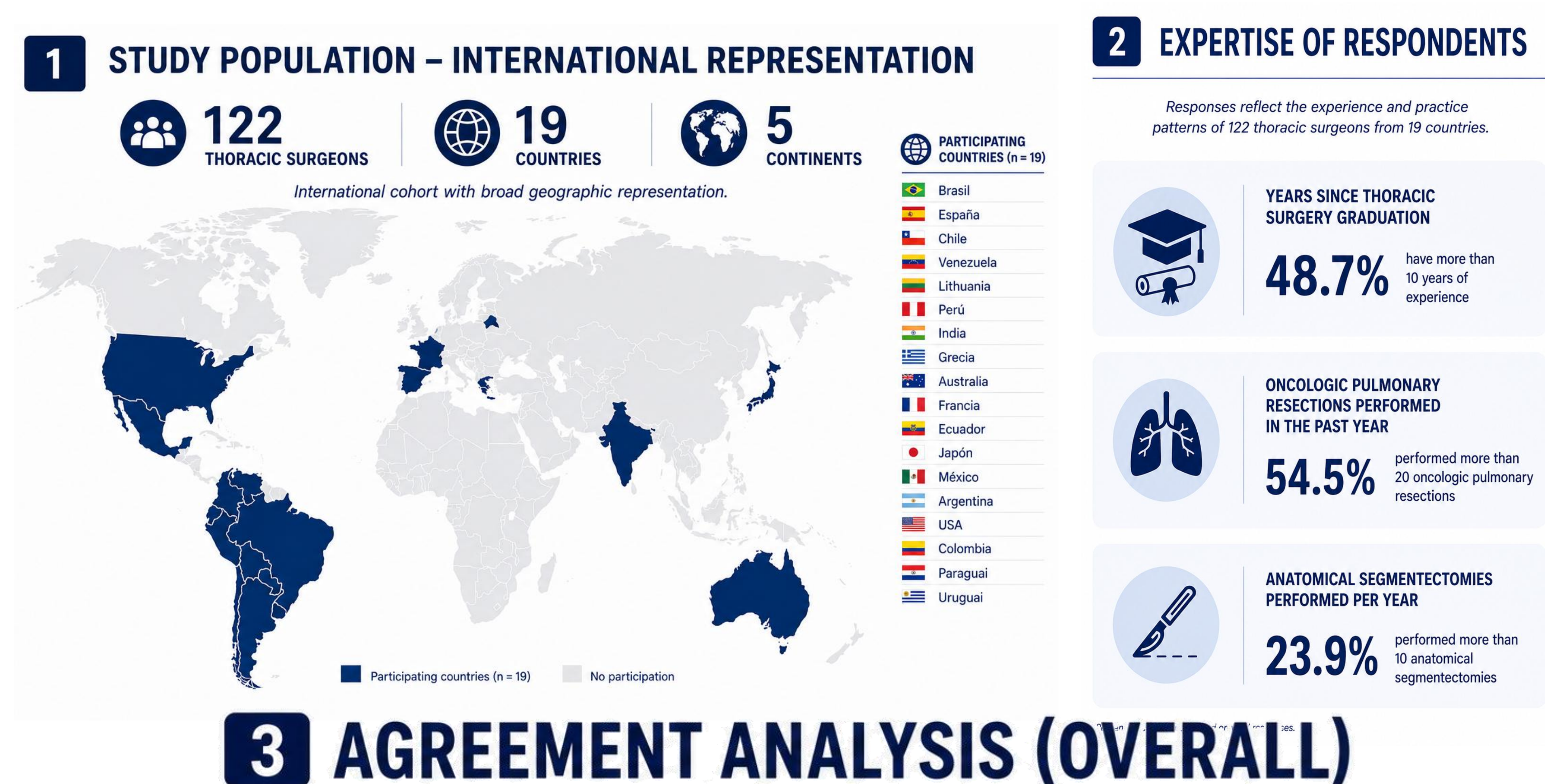
METHODS

Thoracic surgeons evaluated two unedited surgical videos of anatomical segmentectomies and independently classified predefined lymph nodes according to the IASLC lymph node map. Agreement was assessed for both exact station and N classification (N1 vs N2).

STUDY DESIGN



RESULTS



DISCUSSION AND CONCLUSION

Actionable Take Away Message

- Intraoperative identification of IASLC lymph node stations is not consistently reproducible. Surgeons should be aware of anatomical areas prone to disagreement, particularly when precise station assignment may affect nodal staging.

Future Direction for Research

- Identify anatomical hotspots of disagreement and establish clearer intraoperative landmarks to improve the reproducibility of IASLC lymph node station assignment.
- Explore AI- and augmented reality-based tools for real-time lymph node station identification and intraoperative decision support.

REFERENCES & ACKNOWLEDGEMENTS

References

- Huang J, Osarogiagbon RU, Giroux DJ, et al. The International Association for the Study of Lung Cancer Staging Project for Lung Cancer: Proposals for the Revision of the N Descriptors in the Forthcoming Ninth Edition of the TNM Classification for Lung Cancer. J Thorac Oncol. 2024;19(5):766–785.
- Rami-Porta R, Nishimura KK, Giroux DJ, et al. The International Association for the Study of Lung Cancer Lung Cancer Staging Project: Proposals for Revision of the TNM Stage Groups in the Forthcoming Ninth Edition of the TNM Classification for Lung Cancer. J Thorac Oncol. 2024;19(7):1007–1027. doi:10.1016/j.jtho.2024.02.011.

Artificial Intelligence (AI) Use Disclaimer

Generative AI (ChatGPT, OpenAI) was used for language editing and visual design support. All scientific content, data analysis, interpretation, and conclusions were reviewed and validated by the authors.