

Radiologist's Guide to the Ninth Edition TNM Staging System for Quantitative and Qualitative Assessment of Pleural Mesothelioma.

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16 9 2025 9 2025 316 3 498457 e250531 26 2 2025 7 4 2025 28 6 2025 9 7 2025 01 09 2026 14 05 2026 17 05 2026 © 2025 by the Radiological Society of North America, Inc. 2025 Erratum for: Radiologist's Guide to the Ninth Edition TNM Staging System for Quantitative and Qualitative Assessment of Pleural Mesothelioma. 317 1 10 2025 e259017 e259017 Radiology 10.1148/radiol.259017 41147913 Staging of Pleural Mesothelioma with the Ninth Edition TNM System: Problems Solved and Some That Remain. 317 1 10 2025 e252343 e252343 Radiology 10.1148/radiol.252343 41147912 Pleural mesothelioma is a highly lethal, rare thoracic malignant neoplasm arising from mesothelial cells. Previous versions of the clinical TNM staging classification have relied on a qualitative radiologic assessment of tumor invasion. However, these qualitative assessments have not proved practical to implement, with poor interobserver agreement and lack of prognostic significance. The updated ninth edition of the International Association for the Study of Lung Cancer TNM staging system for pleural mesothelioma, jointly published by the American Joint Committee on Cancer and Union for International Cancer Control, proposes key evidence-based changes. The ninth edition incorporates quantitative measurements of pleural tumor and fissural thickness in the T descriptors for pleural mesothelioma and removes the qualitative descriptors that cannot be reliably detected on CT scans, such as endothoracic fascia, lung parenchymal invasion, and nontransmural diaphragm invasion or involvement. This article explains the rationale behind these changes and provides a practical guide to the ninth edition of the TNM staging system in clinical practice.

See also the editorial by Katz and Roshkovan in the October 2025 issue.

An earlier incorrect version appeared online. This article was corrected on September 30, 2025.