

adenocarcinoma (AC) or squamous cell carcinoma (SCC) by standard histopathologic methods.” In fact, adding a new diagnostic tool to the classical diagnostic tool might improve the diagnostic ability. Focusing on the use of microRNA assays, there are still left concern and questions on the cost effectiveness, availability, and complexity of the tests. These points have to be further discussed. Focusing on MiR-205 MicroRNA, its diagnostic value for differentiating between AC and SCC is still controversial. Some previous reports showed limitation of its ability to diagnose SCC.² Also, the MiR-205 can also increase in the case with severe inflammation and benign tumor.³ The possibility of false-positive because of noncancerous lesion has to be further studied.

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REFERENCES

1. Patnaik S, Mallick R, Kannisto E, et al. MiR-205 and MiR-375 MicroRNA assays to distinguish squamous cell carcinoma from adenocarcinoma in lung cancer biopsies. *J Thorac Oncol* 2015;10:446–453.
2. Manikandan M, Deva Magendhra Rao AK, Munirajan AK. Altered levels of miR-21, miR-125b-2*, miR-134, miR-155, miR-184, and miR-205 in oral squamous cell carcinoma and association with clinicopathological characteristics. *J Oral Pathol Med*. 2014 December 8 [epub ahead of print].
3. Nurul-Syakima AM, Learn-Han L, Yoke-Kqueen C. miR-205 in situ expression and localization in head and neck tumors—a tissue array study. *Asian Pac J Cancer Prev* 2014;15:9071–9075.

Reply to “MiR-205 and miR-375 microRNA Assays to Distinguish Squamous Cell Carcinoma From Adenocarcinoma in Lung Cancer Biopsies”

In Response:

We thank Dr. Wiwanitkit for his comments on our study.¹ The microRNA-based assay described in it

requires the quantification of only four RNAs (*miR-21*, *miR-205*, and *miR-375*, and *RNU6B*). As already noted by us in the publication, this can be conveniently done in any laboratory with a quantitative polymerase chain reaction machine, with time and material costs similar to those for immunohistochemistry-based diagnosis of non-small-cell lung cancer histology. However, the suitability of the assay for biospecimens with less than 90% tumor content has not been assessed by us. In our study, microdissection of tumor-containing regions of biopsied material was performed for 76% of biopsies to have ≥90% tumor content in the specimens that were used for RNA extraction for the microRNA-based assay.

The studies on the association of *miR-205* with severe inflammation and benign tumor and the lack of a differential expression of this microRNA between normal and tumor tissues, which Dr. Wiwanitkit refers to, concern oral cancer and not cancer of the lung. In case of the latter, a significantly higher expression of *miR-205* in lung squamous cell carcinoma tissue compared with normal lung, or lung tissue with adenocarcinoma or benign diseases has been noted by many^{2–5} and in Figure 1 of our article.¹

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REFERENCES

1. Patnaik S, Mallick R, Kannisto E, et al. MiR-205 and MiR-375 MicroRNA Assays to Distinguish Squamous Cell Carcinoma from Adenocarcinoma in Lung Cancer Biopsies. *J Thorac Oncol* 2015;10:446–453.
2. Lebanony D, Benjamin H, Gilad S, et al. Diagnostic assay based on hsa-miR-205 expression distinguishes squamous from non-squamous non-small-cell lung carcinoma. *J Clin Oncol* 2009;27:2030–2037.
3. Zhang YK, Zhu WY, He JY, et al. miRNAs expression profiling to distinguish lung squamous-cell carcinoma from adenocarcinoma subtypes. *J Cancer Res Clin Oncol* 2012;138:1641–1650.
4. Bishop JA, Benjamin H, Cholakh H, Chajut A, Clark DP, Westra WH. Accurate classification of non-small cell lung carcinoma using a novel microRNA-based approach. *Clin Cancer Res* 2010;16:610–619.
5. Jiang M, Zhang P, Hu G, et al. Relative expressions of miR-205-5p, miR-205-3p, and miR-21 in tissues and serum of non-small cell lung cancer patients. *Mol Cell Biochem* 2013;383:67–75.

Reply to “Better Prognostic Models May Result in Improved Patient Selection for Adjuvant Therapies After Complete Resection of Solitary Fibrous Tumors of the Pleura”

In Response:

We would like to thank Dr. Tapias and Dr. Lanuti for their comments on our recent article reporting on a multicenter cohort of 68 patients with solitary fibrous tumors of the pleura (SFTP), who were analyzed for the complete course of the disease in a routine practice setting.¹ We acknowledge that our recurrence rate of 30%

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