

[PICTURES IN CLINICAL MEDICINE]

Lung Adenocarcinoma Exhibiting A Butterfly Shadow Pattern

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Key words: lung adenocarcinoma, butterfly shadow pattern, lepidic adenocarcinoma, carcinomatous lymphangitis

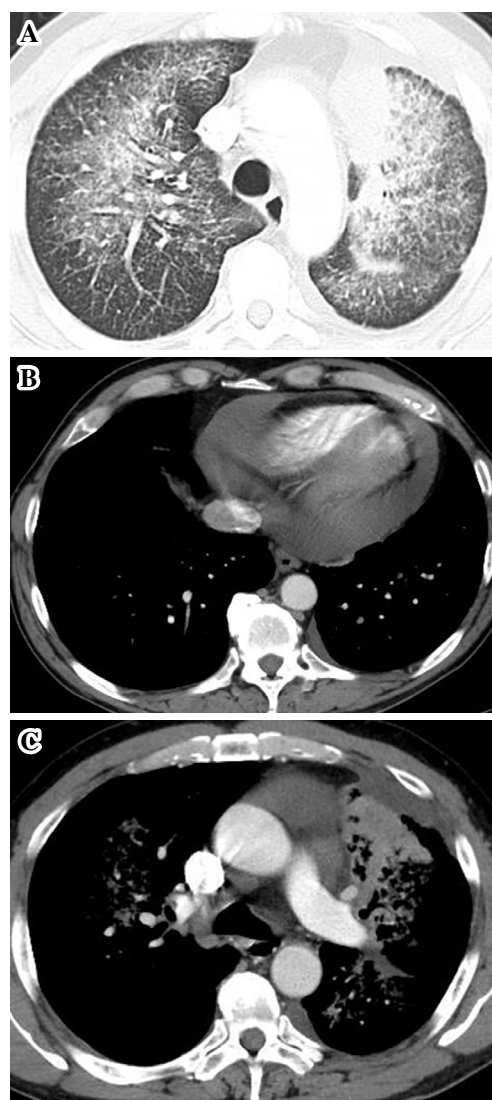
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Picture 1.

A 55-year-old Japanese man having a 35-pack-year smoking history was hospitalized with orthopnea due to dyspnea from some days ago. A chest radiograph showed a butterfly shadow pattern with Kerley's B line (Picture 1), a tentative diagnosis of acute heart failure was made. His brain natriuretic peptide level was mildly elevated, and no abnormality was noted on echocardiography. Computed tomography showed left upper lobe tumors, bilateral ground-glass opacities (Picture 2A), and a pericardial effusion (Picture 2B). Mediastinal lymphadenopathy markedly were not observed (Picture 2C). A transbronchial lung biopsy showed lepidic adenocarcinoma of the left upper lobe (Picture 3A). Cancer invasion in the lymphatic vessels of the left lower lobe was shown in Picture 3B. A diagnosis of lung adenocarcinoma with carcinomatous lymphangitis was made [cT4N3M1c stage IVB, EGFR mutation positive (exon 19 deletion)]. On day 5 after admission, administration of the first-line car-

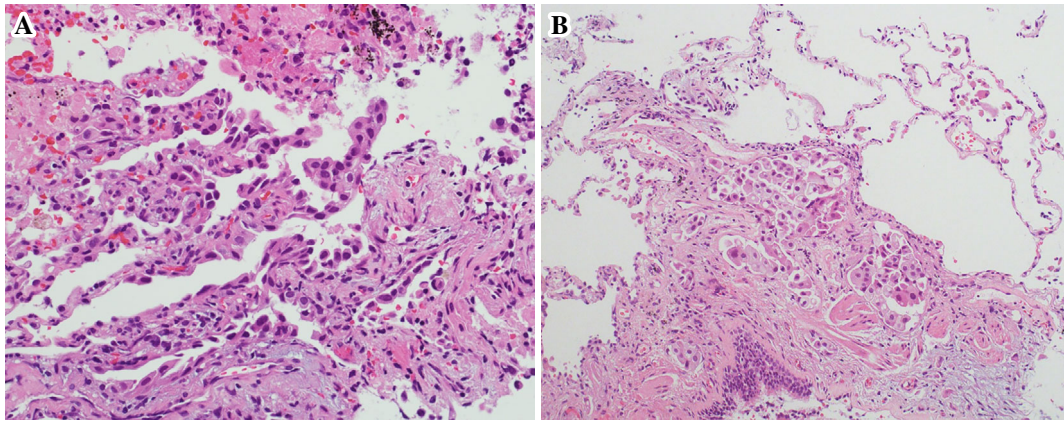


Picture 2.

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Picture 3.

boplatin/paclitaxel/bevacizumab/atezolizumab was started. A reduction in tumor size was seen after two cycles.

Appropriate written informed consent was obtained for publication of this case report and accompanying images.

The authors state that they have no Conflict of Interest (COI).

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