

## Anthracofibrosis

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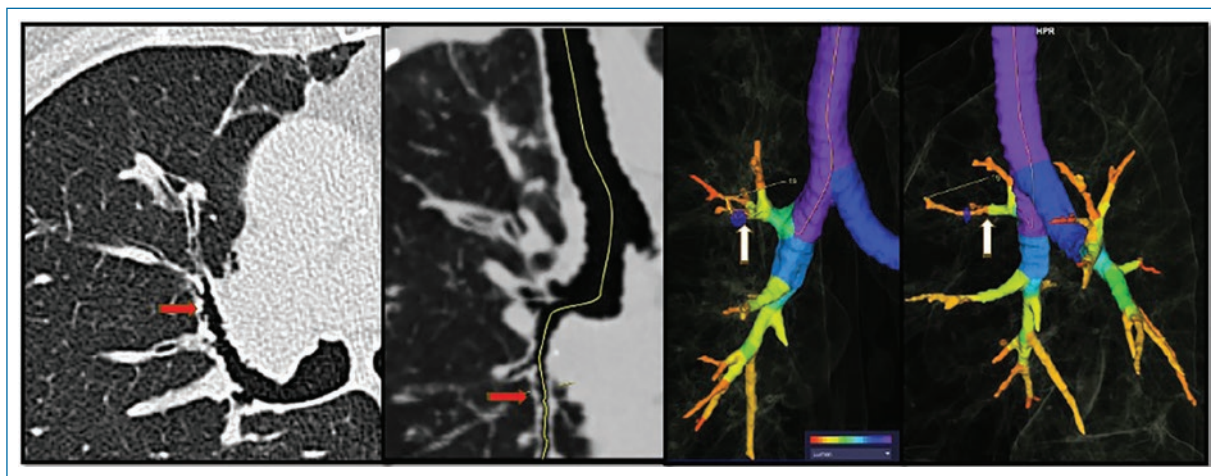
“Bronchial anthracosis” was the term initially used to describe blackish-blue discoloration of the bronchial mucosa due to carbon deposition. Bronchoscopic observations indicate that biomass exposure is associated with a higher frequency of bronchial anthracofibrosis (30.4%) vs tobacco exposure (3.7%)<sup>1</sup>.

Bronchial anthracofibrosis is characterized by areas of bronchial stenosis in approximately 80% of cases. Multifocal bronchial narrowing may involve segmental and lobar bronchi and may extend contiguously to the distal trachea. These changes typically develop at sites

of turbulent airflow<sup>2</sup>. Associated findings may include calcified lymphadenopathy and atelectasis. The so-called anthracotic triad consists of hyperdense lymph nodes, atelectasis, and hyperdense pulmonary parenchyma<sup>3</sup> (Figure 1).

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**Figure 1.** Bronchial anthracofibrosis. Axial computed tomography image with longitudinal and three-dimensional reconstruction of the segmental airway. Arrows indicate areas of luminal narrowing associated with wall thickening and irregularity of the internal margin.

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## Conflicts of interest

The author declared no conflicts of interest whatsoever.

## Ethical considerations

**Protection of human and animal subjects.** The authors declare that the procedures followed were in accordance with the ethical standards of the responsible human experimentation committee and the World Medical Association Declaration of Helsinki. The procedures were authorized by the institutional ethics committee.

**Confidentiality, informed consent, and ethical approval.** This study does not involve personal patient

data and does not require additional ethical approval. The SAGER guidelines were not applicable.

**Declaration on the use of artificial intelligence.** The authors declare that no generative artificial intelligence tools were used in the preparation of this manuscript.

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