Clinic significance of three-dimensional reconstruction of multislice spiral CT in the diagnosis of emergent tracheobronchial foreign body in children

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[Foundation Project]: Hainan Medical University Scientific Research Fund Supported Project of the Journal (0020110215)
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View from specialist: It is creative, and of certain scientific and educational value.

[ABSTRACT] Objective: To evaluate the clinic significance of three-dimensional reconstruction of multislice spiral CT in the diagnosis of emergent tracheobronchial foreign body in children. Methods: Multislice spiral CT scan was performed in 80 children with tracheobronchial foreign body, and images under CT were compared with findings under bronchoscope. Result: Three-dimensional reconstruction by multislice spiral CT examination could directly and accurately display the position, size, shape, density and degree of obstruction of the foreign body. Conclusions: Three-dimensional reconstruction by multislice Spiral CT is an accurate and non-invasive examination for the diagnosis of tracheobronchial foreign body.

[KEY WORDS] Multislice spiral CT; three-dimensional reconstruction; Virtual Endoscopy; Tracheobronchial foreign body