

CASE REPORT

BRONCHOGENIC CYST MIMICKING THERAPY-RESISTANT ASTHMA

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SUMMARY : *The case of a six-year-old girl who had recurrent episodes of wheezing and cough for five years, is presented. A bronchogenic cyst in the mediastinum, clinically masquerading as bronchial asthma, was diagnosed by computed tomography scan. Asthma is not usually difficult to recognize. However, cystic anomalies of the tracheobronchial tree in young children are commonly mentioned in the differential diagnosis for asthma. In suspected cases, computed tomography scan should be one of the the initial steps in the evaluation of such patients.*

Key Words: *Asthma, Bronchogenic Cyst.*

INTRODUCTION

Recognition of bronchial asthma in the differential diagnosis of young children with recurrent or persistent wheezing is important. Both congenital and acquired mediastinal masses result in a narrowing of the airways and may present with cough or wheezing. The diagnosis is established by chest radiograph, computed tomography, and ultimately by thoracotomy. We report here a young girl who was referred to our department with symptoms of chronic asthma despite inhaled corticosteroid treatment.

CASE REPORT

A 6-year-old girl was referred to our asthma department for further evaluation of chronic respiratory symptoms. A previously healthy girl began to have mild recurrent episodes of wheezing and cough starting at 12 months of age. Chest x ray, serum immunoglobulin concentrations and sweat

test were normal. She was diagnosed as having bronchial asthma by a local physician. The symptoms progressed slowly and never required hospitalization. She had been treated with ketotifen and cromolyn sodium for five years, and with inhaled corticosteroids for one year. However, the control of her symptoms was far from satisfactory.

On her visit to our department, physical examination was unremarkable except for bilateral rhonchi. Posteroanterior and lateral roentgenograms (Fig. 1) of the chest demonstrated a mediastinal mass. Thorax CT confirmed the presence of a mediastinal cystic lesion compressing the left lower bronchi (Fig. 2). Left thoracotomy was performed and the diagnosis was confirmed pathologically to be a bronchogenic cyst, which was noninfected and did not communicate with the tracheobronchial tree.

REFERENCES

1. Altın MA, Gündoğdu ZH, Şenel Z. Bronchogenic cyst in a 14-month old boy. Turk J Pediatr 1992; 34: 187-191.
2. Janahi I, Fan LL. Bronchogenic cyst masquerading as asthma. J Pediatr 1998; 133:166.
3. Nuchtern JG, Harberg FJ. Congenital lung cysts. Semin Pediatr Surg 1994; 3: 233-243.
4. Sly RM. Allergic disorders In. Nelson WE, Behrman RE, Kliegman RM, Arvin AM, (eds) : Textbook of Pediatrics. Philadelphia : WB Saunders; 1996. p. 628-641.