

, 가

(anthracofibrosis)

1

CT

. 1857

(Fig. 1C),

(Fig.

Wilks (1)

300

1994

(2)

1D).

CT

가

CT

CT

가

(Fig. 1E).

(anthracofibrosis)가

CT

67

10

가

가

(3). Virchow (4)

(exostosis)

(ecchondrosis)

1910 Aschoff (5)

(elastic tissue)

(metaplasia)

가

11,200/mm²

가

50

가 3:1

가

X

CT

(Fig. 1A),

(Fig. 1B),

가

(6).

가

1

2

2003 11 11

2004 1 5

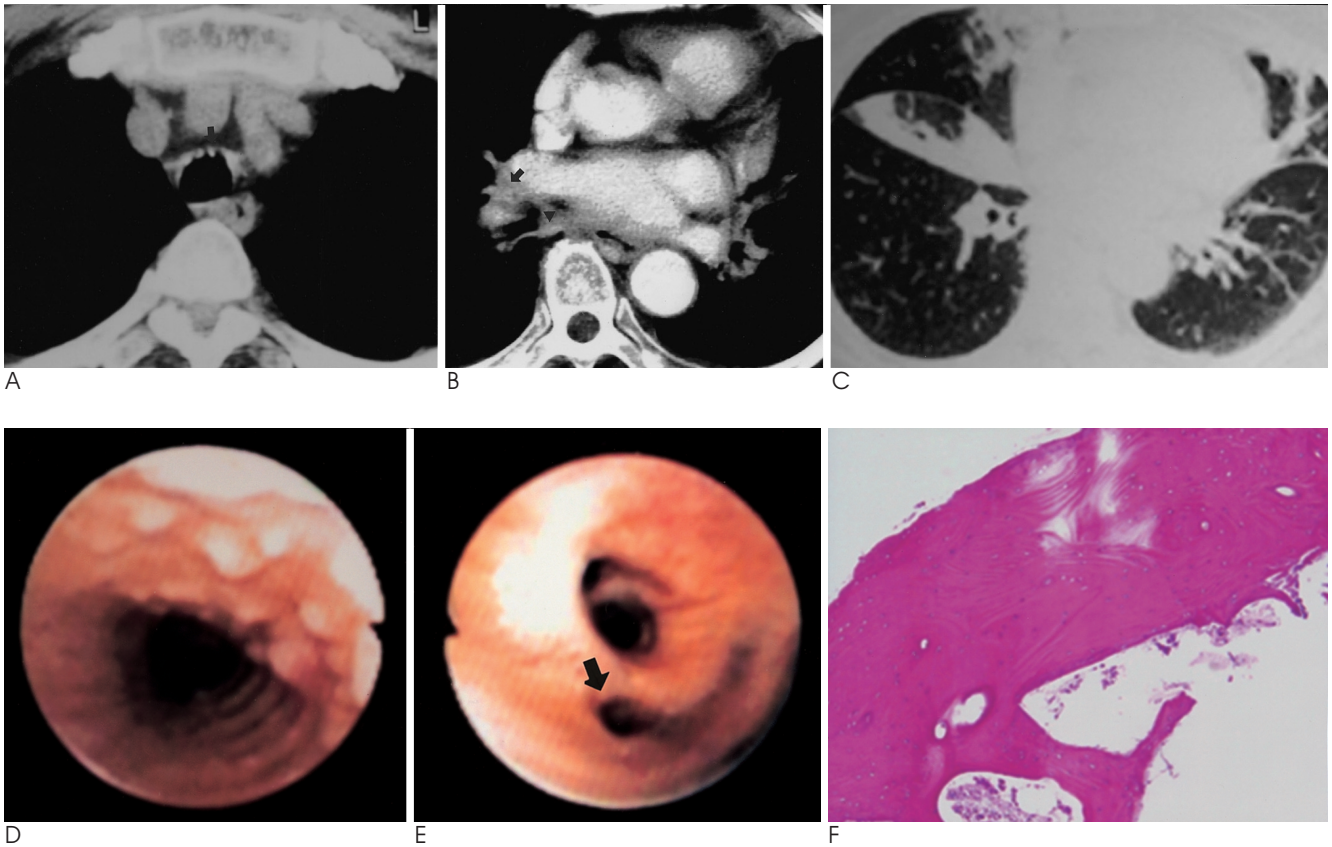


Fig. 1. 67-year-old female patient with dry cough.
 A. CT shows multiple small calcified projected nodules (arrow) on the anterior and lateral portion of trachea.
 B. CT shows bronchial wall thickening (arrow) in RML and small calcified paraesophageal lymph node (arrow head).
 C. CT obtained with lung window shows collapse of right middle lung and lingular segment of left upper lung.
 D, E. Fibroptic bronchoscopy shows numerous cobble stone like hard nodules protruding from the cartilagenous part of tracheal lumen with sparing of the posterior membranous portion. Dark pigmented mucosa with luminal narrowing was seen in right middle lung bronchus (arrow).
 F. Bronchoscopic mucosal biopsy specimen shows intact respiratory epithelium and bony tissue in submucosa (HE \times 40).

CT

X

가

(6). CT

(membranous part)

(cartilagenous part)

(6 - 8).

(cobble - stone appearance)

(pathognomonic) CT

(1, 2, 8).

가

가

(2, 4).

가

CT

1. Meyer CN, Dossing M, Broholm H. Tracheobronchopathia osteochondroplastica. *Resp Med* 1997;91:499-502
2. 1 . . . 1994;47:41-434
3. Young RH, Sandstrom RE, Mark GJ. Tracheopathia osteoplastica: clinical, radiologic, and pathological correlations. *J Thorac Cardiovasc Surg* 1980;79:537-541
4. Virchow R. *Die Krankhaften Geschwulste*. Berlin: Hirschwald, 1863;1:442-443
5. Ashoff-Freiburg L. Ueber tracheopathia osteoplastica. *Verh Dtsch Ges Pathol* 1910;14:125-127
6. Hodges MK, Israel E. Tracheobronchopathia osteochondroplastia presenting as right middle lobe collapse. Diagnosis by bronchoscopy and computerized tomography. *Chest* 1988;94:842-844
7. Mayer CA, White CS. Cartilaginous disorders of the chest. *Radiographics* 1998;18:1109-1123
8. Mariotta S, Pallone G, Pedicelli G, Bisetti A. Spiral CT and endoscopic findings in a case of tracheobronchopathia osteochondroplastica. *J Comput Assist Tomogr* 1997;21:418-420

J Korean Radiol Soc 2004;50:251 - 253

Tracheopathia Osteoplastica Associated with Anthracofibrosis: Case Report¹

Eun Joo Lee, M.D., Kwan Min Ku, M.D., Chae Kyung Lee, M.D., Hyeon Kyeong Lee, M.D.,
Soon Kim, M.D., Yoen Hee Oh, M.D., Seung Hyeon Kim, M.D.,
Sung Woo Lee, M.D., Sung Ja Kim, M.D.²

¹Department of Radiology, Dongguk University College of Medicine

²Department of Internal Medicine, Dongguk University College of Medicine

Tracheopathia osteoplastica is a rare benign disorder of the trachea and major bronchi. It is characterized by multiple cartilaginous or osseous submucosal nodules that project into the tracheobronchial lumen. Awareness of the condition is important to avoid unnecessary surgery. We report here on the CT and bronchoscopic findings of tracheopathia osteoplastica associated with anthracofibrosis in a 67-year old woman, and we will then discuss our findings.

Index words : Trachea, abnormalities
Trachea, CT
Lung, CT

Address reprint requests to : Eun Joo Lee, M.D., Department of Radiology, Dongguk University Gyeon-gu Hospital,
1090-1, Sukjang-dong, Gyeongju, Gyeong-buk 780-350, Korea.
Tel. 82-54-770-8401 Fax. 82-54-774-3588