

72 가 (CT) 가
 3 Arizona 3
 (Percutaneous transthoracic fine needle aspiration)
 (spherule)가 (endospore) 가
 1 가
 3
 Arizona 3
 가 가
 (1). 가
 가
 (Arizona, California, Nevada, New Mexico, Texas, Utah),
 1 Coccidioides immitis Coccidioid-ides immitis
 (dimorphic fungus)
 74 가 가
 (Fig. 1A) 가
 1.5 cm 가 가 (2).
 (Fig. 1B). 가 가 60%
 number가 50 CT
 (consistent)
 가 가 가 가 (3).
 75%
 가 가 가 가
 (Fig. 1C). 20%
 5%

1
 2
 1998 9 18 1999 1 4

75%

(3). 가 가 90%

5 cm
1.5 cm 6 cm

가 가 가 가

histoplasmosis 가

1.5 cm

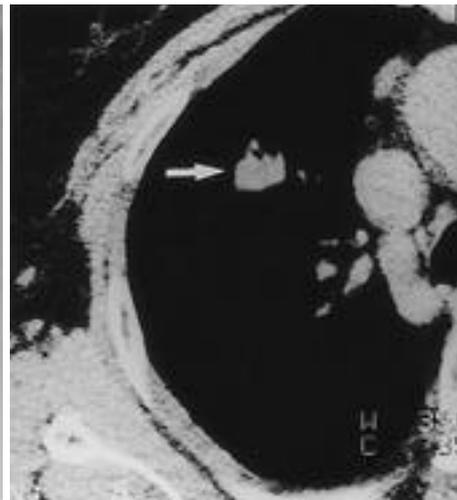
(s-
meat),

(4,5).

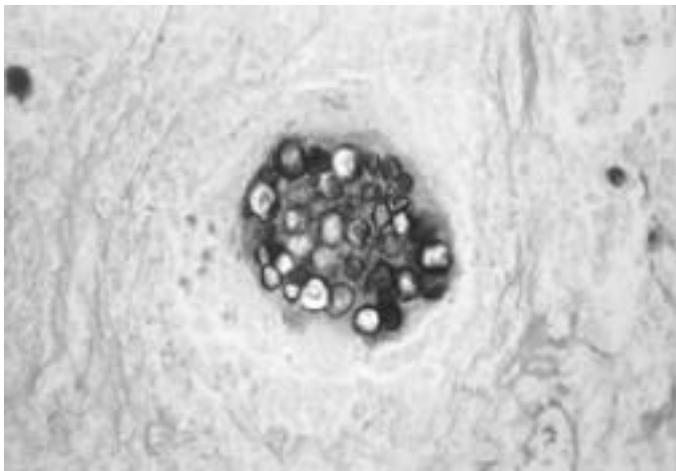
가



A



B



C

Fig 1. A 74-year-old woman with pulmonary coccidioidomycosis

A. Chest radiograph shows a 1.5 cm, well-circumscribed nodule in the right upper lobe (arrow).

B. Pre-enhanced chest CT scan at the level of aortic arch shows 1.5 cm, well-circumscribed nodule without calcification in the anterior segment of the right upper lobe (arrow).

C. Photomicrograph shows endospore-containing spherule in the lung tissue (periodic acid-Schiff[PAS] stain, x 400)

1. Bayer AS. Fungal pneumonias: pulmonary coccidioidal syndromes (part 1). *Chest* 1981;79:575-583
2. Batra P. Pulmonary coccidioidomycosis. *J Thoric Imaging* 1992;7:29-38
3. Batra P, Batra RS. Thoracic coccidioidomycosis. *Semin Roentgenol*

1996;31:28-44

4. Forseth J, Rohwedder JJ, Levine BE, Saubolle MA. Experience with biopsy for coccidioidal lung nodules. *Arch Intern Med* 1986;146:319-320
5. Freedman SI, Ang EP, Haley RS. Identification of coccidioidomycosis of the lung by fine needle aspiration biopsy. *Acta Cytol* 1986;30:420-424

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Pulmonary Coccidioidomycosis: A Case Report¹

Yong Soo Cho, M.D., Jin Seong Lee, M.D., Hyae Young Kim, M.D.,
Koun Sik Song, M.D., Kwang Hyun Sohn, M.D.², Tae Hwan Lim, M.D.

¹Department of Diagnostic Radiology, Asan Medical Center, College of Medicine, University of Ulsan

²Department of Chest Surgery, Asan Medical Center, College of Medicine, University of Ulsan

A 72-year-old woman was admitted due to a solitary pulmonary nodule incidentally found after routine chest radiography. Chest CT showed a solitary pulmonary nodule without calcification in the right upper lobe. Three years earlier, she had spent 3 months in Arizona. Surgical resection was performed after percutaneous transthoracic fine needle aspiration had suggested malignancy. The lesion was caseous and necrotic, and histologic examination indicated the presence of endosporeulating spherules. We report a case of coccidioidomycosis which was resected in order to rule out lung cancer.

Index words: Lung, infection
Lung, nodule
Lung, granuloma
Coccidioidomycosis

Address reprint requests to : Yong Soo Cho, M.D., Department of Diagnostic Radiology, Asan Medical Center, College of Medicine, University of Ulsan
388-1 Poongnap-Dong, Songpa-Ku, Seoul, 138-736, Korea.
Tel. 82-2-2224-4400 Fax. 82-2-476-4719