

## 뇌전이가 동반된 심장에 발생한 원발성 육종 1예

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## A Case of Primary Cardiac Sarcoma with Brain Metastasis

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## ABSTRACT

Primary cardiac sarcomas are an extremely rare disease, which are usually diagnosed late, as they seldom display symptoms until they obstruct the cardiac outflow or spread to distant organs. We report the case of a 57-year-old female presenting symptoms of a brain tumor, such as dizziness and visual disturbance. Further evaluations revealed multiple brain metastatic tumors, and a cardiac tumor as the primary lesion. Histological examination of the resected cardiac tumor showed cells of a poorly differentiated sarcoma. The current literature regarding incidences, diagnosing techniques, treatment strategies and prognosis of primary cardiac sarcomas are briefly reviewed with our case report. (**Korean Circulation J 2002;32(11):1016-1018**)

**KEY WORDS** : Heart neoplasms ; Sarcoma.

## 서론

가 . 57  
1가 , 가  
가 .<sup>1) Burke<sup>2)</sup></sup>

75

6

## 증례

가

57

1

.<sup>3) Hattori<sup>4)</sup></sup>

가

: 2002 4 9

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: 2002 8 28

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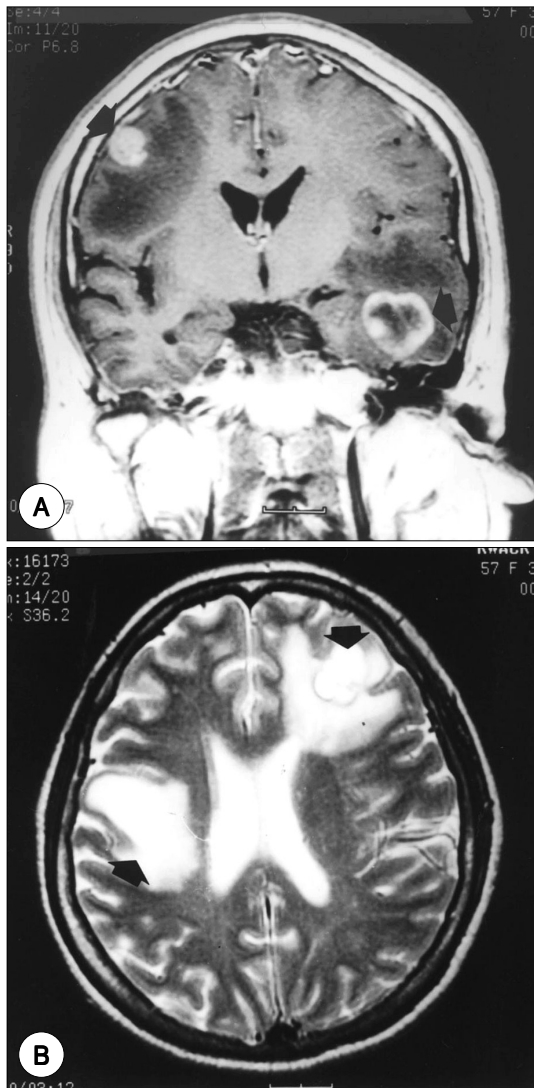
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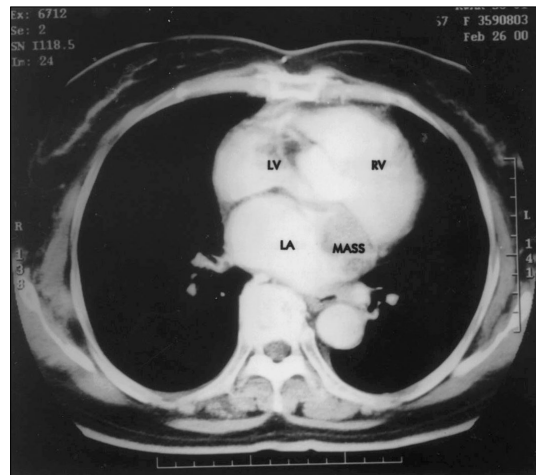
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(Fig. 1).

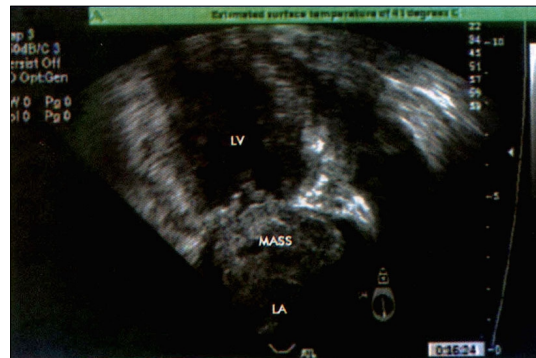
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**Fig. 1.** Brain magnetic resonance images reveal multiple rim-enhanced nodules in the both hemispheres (especially corticomedullary location), mostly likely developed by hematogeneous spread. Coronal view (A), Horizontal view (B).



**Fig. 2.** Chest CT scan shows intracardiac mass in left atrium. About 4\*2\*3 cm sized well-defined non-enhancing mass at left atrium wall near appendage.



**Fig. 3.** Transesophageal echocardiogram shows huge echogenic inhomogenous, conglomerated left atrium mass (4.35 x 2.36 cm) attached (broad base) at left atrium anterior wall near left atrium appendage with thickened anterior mitral valve leaflet. There was mild swirling in left atrium with huge ecogenic, non-mov-able mass. Color flow imaging revealed trivial mitral regurgitation.

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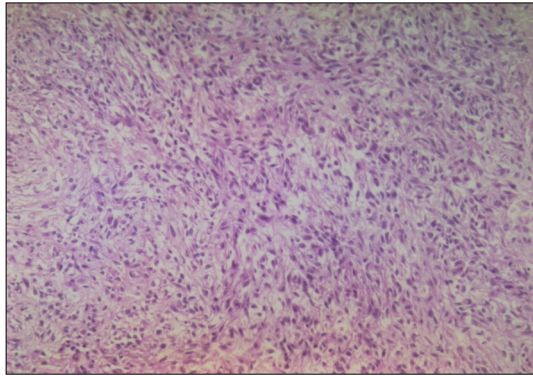
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(Fig. 4).

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고 찰

0.0017~0.28%



**Fig. 4.** Histopathologic findings show a hypercellular spindle cell tumor, poorly differentiated sarcoma (unclassified) with multifocal extensive necrosis and high mitotic rate ( $\times 100$ , H-E stain).

5) 75% ,  
(myxoma)가 29~42%  
1/4 가  
, , 6)7)  
가  
20~40 가  
8)  
50%  
5  
,  
9)  
(conduction deficits), low voltages,  
T , 10)  
가  
가  
, ,  
, ,  
8)  
가 가  
75%가  
가 1 cm<sup>2</sup>  
가 ,

가 10) Putnam 11)  
8.3%  
24

## 요 약

가 가  
가 가  
1

## 중심 단어 :

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