

## 심실중격 박리를 동반한 Valsalva동 동맥류 : 완전 방실차단의 한 원인

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### Aneurysm of Sinus of Valsalva Dissecting into Interventricular Septum : A Possible Cause of Complete Atrioventricular Block

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#### ABSTRACT

Dissection of the interventricular septum by aneurysm of sinus of Valsalva is a rare lesion and has poor prognosis. However, it can be diagnosed noninvasively with echocardiography and managed well by surgical repair. A 55 year old female was readmitted due to aggravated exertional dyspnea. She was implanted with permanent pacemaker due to complete atrioventricular (AV) block of recent onset at a community hospital. Previous diastolic murmur near aortic area was changed to a new continuous murmur. The diagnosis of an aneurysm of sinus of Valsalva dissected into the interventricular septum was confirmed by routine two-dimensional echocardiography. The neck of the aneurysm was closed primarily with patch and aortic valve replacement was done. The prognosis was good. The finding of AV block of recent onset and obscure origin in a young patient should alert the physician to the possibility of an aneurysm of sinus of Valsalva and warrants systematic echocardiography. (**Korean Circulation J 1999;29(6):625-629**)

**KEY WORDS** : Aneurysm of sinus of Valsalva · Conduction disturbances · Echocardiography.

#### 서 론

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Valsalva

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tricular septal defect)

(supracristal ven -

.<sup>1)</sup>

2)

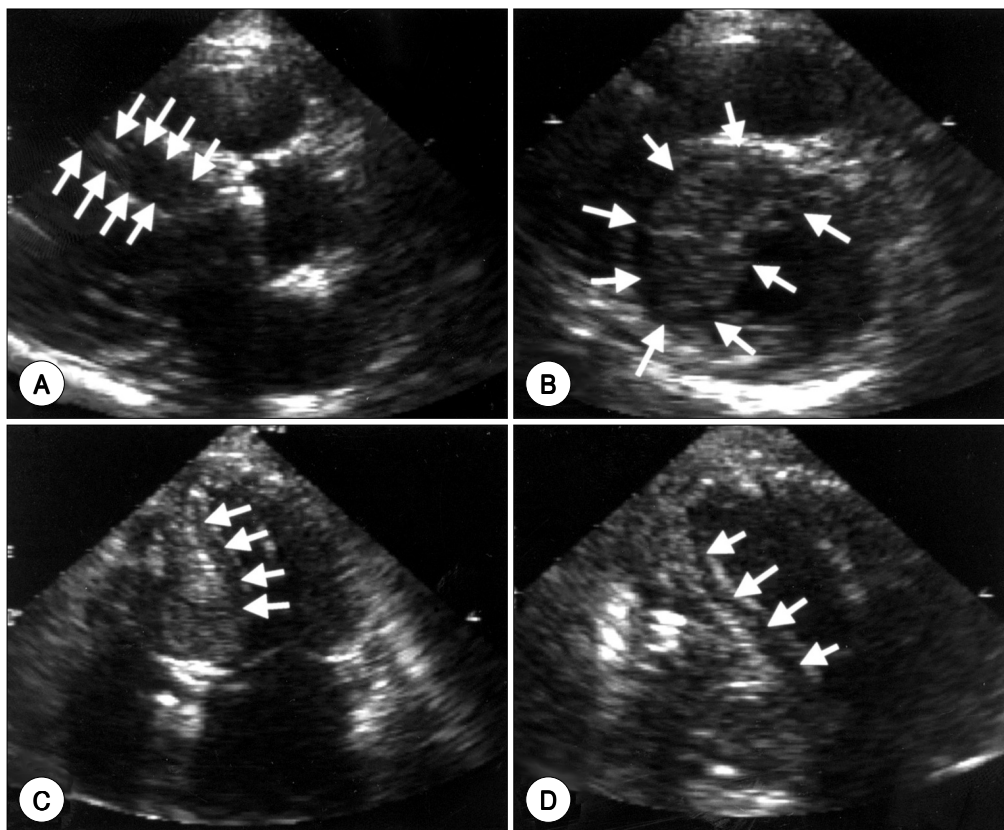


axis view at mitral valve level, C : Parasternal short axis view at aortic valve level. D : Apical 4 chamber view.



A : Horizontal plane, B : Long axis plane.

가 Valsalva  
 3-10)가  
 11-14)  
 (generator pocket) (erosion)  
 6  
 (NYHA )  
 Valsalva 1 (grade 3/6)  
 증 레 (VVI ) 70  
 : Valsalva  
 55 가 4 가  
 (Fig. 1A, B and C).  
 15 (Fig. 1D)  
 (grade 2/6)



**Fig. 3.** Transthoracic echocardiograms at 12 months after the operation. The thrombus (A and B, arrows) was filled in the false lumen of interventricular septum and dissection flap (C and D, arrows) was extended into the apex of left ventricular septum. A : Parasternal long axis view, B : Parasternal short axis view, C : Apical 4 chamber view, D : Apical 2 chamber view.

가 (Fig. 2A and B). Val -

salva Valsalva Valsalva

Valsalva 가 Valsalva

가 Valsalva

가 Valsalva

5) 5)9)

(patch closure)

14 Valsalva 가

Ogasawara 3)

(NYHA 12 (intracardiac phonocar -

diagram)

Valsalva Guez 16) 1961 1981 15

Valsalva (4 ),

(8 ), (1 ),

(2 ) . 15 8 (53%)

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3 가

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(sinoatrial) , His (suprahisian) , His

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1) ( ,

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Valsalva

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Valsalva 가  
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NYHA class I  
1)  
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중심 단어 : Valsalva

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