

◇Clinical Result with Partial Left Ventricle Resection Surgery, in Korea. (PLVRS : Batista Op.)

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배경 및 목적 : We sought the effect of partial left ventricle resection surgery(PLVRS) in patients with dilated cardiomyopathy.

방법 : Since September 1996, we have performed PLVRS in 15 patients. The mean age of the patients was 40.5 years(range 4 to 64 years). And the mean NYHA functional class was 3.7 preoperatively and 9 of them was supported by IV inotropic therapy. The etiology of the patients was idiopathic in 14 and ischemic in 1. Degree of mitral regurgitation(MR) was 2.8 in average and mean end diastolic diameter of left vnetricle was 75.3 mm, preoperatively. For all patients with MR, central leaflet stitch(Alfieri`s stitch)was done in 10 and 7 of them had annuloplasty ring together.

결과 : 2-D Echocardiographic study showed significant decrease in left ventricle diastolic diameter from 75.3 mm to 54.9 mm, and degree of MR was reduced from 2.8 to 1.2. Ejection fraction increased from 18.3% to 29.3%. 5 patients died after surgery(peri-operative mortality:33%) and 1 patient needed heart transplantation 11months after surgery, 3 patients deided during the follow up(late survival:46.7%). All the survivors were followed up for mean 15.9(9-25)months and their mean NYHA class was 2.0.

결론 : Although the perioperative mortality of this study was quite high, the survivors were in acceptable functional status that could enjoy ususal life. With the situation of poor chance of heart transplantation in heart failure patients, PLVRS may become a bridge or even alternative method to heart transplantation.

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