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### **Novel Technique for Tricuspid Valve Repair**

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Repair of regurgitant tricuspid valve is very complex. Medical literature describes mainly repair of tricuspid valve in cases of Epstein's Anomaly and rheumatic heart disease. Repair of a tricuspid valve damaged by bacterial endocarditis or a tumor are rarely described. Tricuspid valve replacement has a very poor outcome, mainly due to the fact that the right atrium and ventricle function as a low pressure system. We would like to report a new technique for tricuspid valve repair that we have applied in three cases using pericardial membrane (PTFE) or pericard. In two of the cases, the valve was damaged by bacterial endocarditis and in one case by a tumor. The technique included adjustment of the free edges of the damaged valve leaflets in the coaptation zone, detachment of the leaflet at the annulus and completion of the missing tissue by PTFE or pericard. All three patients tolerated the procedure very well and recovered with trival residual tricuspid regurgitation.