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## Immediate results of percutaneous balloon Commissurotomy in the treatment of mitral stenosis

Marwan Shamieh\*

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### Abstract

Valve mitral stenosis remains the most important cause of mitral stenosis . It can be treated with percutaneous balloon mitral commissurotomy ( PMTC ) with afew complications and comparable results with surgical treatment .

In this study patients , women and men were treated with PMTC because of severe MS (MVA CM ) who were in functional StageIII ,IV according to NYHA .

All patients were examined preoperatively with transthoracic echography, and trans esophagealecho to evaluate the mitral valve and subvalular apparatus , to exclude a thrombus in the left atrium and its appendage , and to exclude sever mitral regurgitation .

PMTC was performed according to NOUE method via femoral vein an pnterateral septum biopsy, and balloon mitral commissurotomy.

The results were encouraging in that the mean mitral valve area inceased from , to , cm ,and the mean left atrial pressure was reduced from mmHg to mmHg .

The most frequent complication was the mitral regurgitaion which happened in of patients. No death , systemic emboli , tamponade , or significant left to right shunt at the interarterial septum occurred.

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