

Comparison between the level of pulmonary arterial pressure decline in men and women after PTMC

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Introduction:

Mitral stenosis (MS) unlike mitral regurgitation (MR) more frequent in female patients than male patients.

Most common cause of MS was rheumatic fever and rarely congenital that occurs in the fourth decade of life. The aim of this study was Comparison between the level of pulmonary arterial pressure decline in men and women after percutaneous transluminal mitral commissurotomy.

Methods:

In a cross-sectional and descriptive-analytical study that performed in Cardiology department of Tabriz University of Medical Sciences on patients with MS, reduction of pulmonary artery pressure (PAP) in male and female patient with MS at after percutaneous transluminal mitral commissurotomy (PTMC) evaluated.

Results and conclusion:

From 98 studied patients, 37(37.8%) of them was male and 61(62.2%) of them was female.

Mean age of patients was 45.81 ± 13.72 at the range of 20-93 years.

Heart rhythm of patients was sinus rhythm in 54(55.1%) and in 44(44.9%) patients was AF.

Significantly differences was not found in mean of PAP at before PTMC(P=0.496),immediately after PTMC(P=0.826) and 6 month later PTMC(P=0.893).

Mean PAP of patients at before PTMC was 46.94 ± 15.56 , immediately after PTMC was 35.20 ± 7.44 and 6 month later PTMC was 31.1 ± 3.3 .

Mean PAP of patient immediately after PTMC was significantly lower than mean of PAP at before of PTMC ($P < 0.001$).

Mean PAP of patient 6 month after PTMC was significantly lower than mean of PAP at before of PTMC ($P < 0.001$).

Mean PAP of patient 6 month after PTMC was significantly lower than mean of PAP at immediately after PTMC ($P < 0.001$).

Significantly decrease was found between mean PAP of patients at after PTMC due to before PTMC ($P < 0.001$).

Key Words:

MS, PAP, PTMC