

Percutaneous mitral valvuloplasty with the Inoue balloon. Report of a case

Valvuloplastia mitral percutánea con balón de Inoue. Comunicación de un caso.

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Percutaneous mitral commissurotomy has recently been proposed as an alternative to surgery in mitral stenosis. The clinical and hemodynamic results are equivalent to those of surgical treatment. A new technique proposed by Inoue, using a single rubber balloon, with a low incidence of complications, can be performed in a shorter procedure time than the former double balloon technique. A 36 year-old woman with severe mitral stenosis, NYHA FC III, was treated percutaneously using a single rubber balloon designed by Inoue. Her mitral valve area increased from 0.83 to 1.96 cm², her mean gradient decreased from 15 to 5.8 mmHg and the cardiac output increased from 4.14 to 5.3 l/min. Total procedure time was 2 h and the radioscopic time was 15 min. The follow-up at the fourth month showed persistence of the mitral valve area (2 cm² at doppler measurement) and the patient was asymptomatic (NYHA FC I). A description of the technique is presented.