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Tetralogy of Fallot in middle age man

Abstract

Introduction: Tetralogy of Fallot (TOF) is the most prevalent congenital cyanotic heart disease in patients older than age one, which makes %10 of fatal cases. From one hundred thousand new borns, 3 get the disease. TOF is not a fatal disease, unless left untreated, in which this case, fatality will reach to %95 (until age of 40).

Case presentation: A 35 years old man who has been under Treatment for TOF since he was one year old, was admitted to our hospital. He had four surgical procedures in his history. In his last one at age 27 mitral valve was replaced by a prosthetic one (SJ31 along with ventricular decortication).

Conclusion: All new born with TOF need a reconstructive surgery. Without that, most will die in childhood (%66 until age one). In fact if left untreated, survival rate is %40, %11 and %6 for age 3, 20, and 30, respectively. only %3 stay alive up to 40 years old. Complete reconstructive surgery in untreated adults have acceptable results.

Keywords: Cyanotic Congenital Heart Disease, Tetralogy of Fallot, Diagnosis, Surgical Treatment