



## **An Interesting Case of Fungal Infective Endocarditis in a Patient With a Prosthetic Valve**

**Name:** Dr. S. Sujith Hrishi Kaanthan\*, Prof. Dr. Durga Krishnan\*\*, Prof. Dr. Mayilanthi\*\*

\*Postgraduate, \*\*Professors

**University/Organization:** Chettinad Hospital and Research Institute, Kelambakkam

### **Abstract:**

#### **BACKGROUND:**

Fungal infective endocarditis is a relatively uncommon form of endocarditis accounting for only 1.3% to 6% of all cases of infectious endocarditis and requires a higher index of suspicion especially in patients who have undergone a prosthetic valve placement surgery.

#### **CASE PRESENTATION:**

We describe a 60 year old lady, a known case of Rheumatic Heart disease with Mitral stenosis status post Mitral valve repair with bioprosthetic valve placement done 2 years back (on anticoagulation with Warfarin 2 mg OD), who presented with complaints of fever associated with chills and rigor, for more than 45 days, loss of weight and loss of appetite, with rashes over both lower limbs which developed over the last 2 weeks. On examination, the patient had purpurae over both lower limbs, Roth's spots on fundus examination and a Grade 1- mid diastolic rumble over the apical area. She was evaluated and diagnosed to have vegetation over the mitral (prosthetic) valve measuring 14x10mm. First, second, third and the 48th hour culture blood cultures showed growth of *Candida parapsilosis*. Patient was started on Tab. Voriconazole 200 mg BD and has been posted for early mitral valve replacement surgery.

#### **CONCLUSION:**

In a patient with prosthetic valve endocarditis the possibility of fungal infective endocarditis must always be suspected despite lacking history of central line placements or frequent hospitalisations, due to the increasing rise of infections due to *Candida non-albicans* group of organisms, and the lack of availability of randomized controlled trials in the treatment of *Candida* endocarditis.

**Keywords:** Infective endocarditis, *Candida non-albicans*