Introduction: Approximately three-fourths of patients with infective endocarditis have a preexisting structural cardiac abnormality at the time of the endocarditis development. Congenital heart lesions predisposing to infective endocarditis include aortic stenosis, bicuspid aortic valve, pulmonary stenosis, ventricular septal defect, patent ductus arteriosus, coarctation of the aorta, and tetralogy of Fallot. Complications of the infective endocarditis include cardiac, neurologic, renal, and musculoskeletal complications, as well as complications related to systemic infection. Cardiac complications are most common and they include heart failure, perivalvular abscess, pericarditis, intracardiac fistula with myocardial perforation or aortic dissection. Management of patients with infective endocarditis includes antibiotic therapy as well as surgical treatment whenever it is indicated.\textsuperscript{1-3}

Case report: We present a case report of a case report of a 29-year-old patient with congenital bicuspid aortic valve. Prior to the development of endocarditis the patient underwent a dental procedure without antibiotic prophylaxis. After couple of days he was hospitalized due to clinically signs of sepsis and infective endocarditis was revealed on echocardiography. Patient was treated with antibiotics but due to uncontrolled sepsis and severe aortic stenosis in a bicuspid aortic valve, signs of heart failure developed and patient underwent urgent cardiac surgery where the reconstruction of aortic annulus with bovine pericardium and mechanical aortic valve replacement was done. After surgery despite appropriate antibiotic therapy patient had continuous fever and clinical and laboratory signs of sepsis, so we suspected that abscess was formed. Due to that we performed 3D transesophageal echocardiography which revealed infective endocarditis vegetations on mechanical aortic valve, (Figure 1) paravalvular abscess, ventricular septal defect with significant left to right shunt and instability of mechanical valve, by itself, due to big abscess hole. (Figure 2, Figure 3). After that second cardiac surgery was performed where replacement of mechani...