

中文題目：多瓣膜之非細菌性血栓性心內膜炎～一病例報告

英文題目：Nonbacterial thrombotic endocarditis in multiple heart valves– A Case Report

作者：許栢超¹，高宇賢¹

服務單位：高雄醫學大學附設中和紀念醫院 內科部¹

Abstract

Nonbacterial thrombotic endocarditis (NBTE) in multiple valves is a disease characterized by the presence of vegetations on cardiac valves, which consist of fibrin and platelet aggregates and are devoid of inflammation or bacteria. It is a rare condition and most often found postmortem with rates in autopsy series ranging from 0.9 to 1.6 percent¹. Herein we reported a unique case of NBTE with involvement of multiple valves.

A 64-year-old female, who had lung cancer stage IV treated with chemotherapy and target therapy around 1 year, suffered from pulmonary embolism one month ago and was brought to the emergency department due to progressive dyspnea and spontaneous bruising. Chest X-ray showed persistent lung cancer with fibrosis and atelectasis. Due to progressive dyspnea with heart murmur, echocardiography was arranged and results showed aortic, mitral, tricuspid, and pulmonary valve with significant vegetation. Severe tricuspid regurgitation, aortic regurgitation, and moderate mitral regurgitation were also noted. However, several sets of blood cultures revealed negative finding. Laboratory data showed low C-reactive protein, high BNP, severe thrombocytopenia and disseminated intravascular coagulation (DIC). Therefore, NBTE was diagnosed. During hospitalization, chemotherapy was performed for underlying disease management and frequent blood transfusions were given for severe coagulopathy, but this patient finally died due to progressive heart failure.

Key words: nonbacterial thrombotic endocarditis