Carcinoid tumors are rare malignant tumors arising from the neural crest amine precursor uptake and decarboxylation cells, in particular from those situated in the gastrointestinal tract. These tumors are slow growing and indolent, but when they metastasize to the liver, their vasoactive products (5-hydroxytryptamine or serotonin, histamine, tachykinins etc.) which are regularly metabolized in the endothelium of the liver and lung vasculature, can reach the circulation and thereafter produce symptoms of carcinoid syndrome (CS), characterised by dermal flushing, diarrhoea, bronchospasm and valvular carcinoid heart disease (CHD). The latter is the most serious manifestation of CS, leading to heart failure and death in 40% of all affected. Cardiac lesions are a consequence of serotonin-induced deposition of fibrous tissue on the endocardial surfaces of the heart. They are mainly found in the right side of the heart and are truly pathognomonic. Although echocardiography is still the main imaging technique in the diagnosis and follow up of CHD, in the last decade magnetic resonance imaging (MRI) has evolved into a promising new diagnostic modality. Most of the reported MRI features are similar to those observed by echocardiography — tricuspid and/or pulmonary valve thickening and immobility with consequent valvular dysfunction and right heart enlargement. In our patient, endocardial enhancement of the right atrium and right ventricle including the endocardial surface of the subvalvular apparatus and both sides of the tricuspid valve was observed. We believe that this type of late enhancement corresponds with the wellknown histological features of CHD.

**KEYWORDS:** carcinoid heart disease, echocardiography, cardiac magnetic resonance imaging.

**Literature**