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Changing trends in takosubo cardiomyopathy case series and literature review

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Introduction: Takotsubo cardiomyopathy (TCM) is a rare form of acute cardiomyopathy characterized by left ventricular apical ballooning. It was first described in Japan in 1990 by Sato et al. Patients are often present with chest pain, ST-segment elevation on electrocardiography (ECG) with elevated cardiac enzyme levels in consistency with myocardial infarction (MI). We report here five cases of Takotsubo cardiomyopathy presented to a general district hospital during the period of eight weeks.

Abstract: The epidemiological features of TCM have changed significantly, previously the main risk factor was physical and emotional distress however recently unknown precipitating factors have been reported, TCM were considered extremely rare until the past 20 years. It is estimated that patients with TCM accounted for approximately 2% of all the patients with suspected acute coronary syndrome. According to a case report, the majority of the patients were women (93.5%). Asians were the largest group (57.2%) followed by Caucasians (40%). The presentations mimic an acute myocardial infarction. The most frequent presenting symptom was chest pain (65.9%) followed by dyspnoea (16.2%). ST elevation was the most common ECG abnormality (87.5%). Contrary to most reports, this is not a benign disease with complications occurring in 18.9% and death in 3.2%. The most common complication was shock followed by left ventricular thrombus formation and congestive heart failure.

Biography

Abdalazeem Ibrahim, has completed his graduation from university of Kassala 2009, He is working as specialty cardiology registrar in United Kingdom, at BCHUB, Ysbyty Gwynedd Hospital. He has completed his core medical training in UK, full membership of MRCP UK. His academic interest, writing papers and literature review. He has participated in 16th world cardiology congress 2016, Dubai, Hertfordshire journal of medicine December 2016, Global Journal of Infectious Diseases and Clinical Research October 2016. Membership with British society of echocardiography (BSE) British cardiovascular interventional society (BCIS) UK. He attended several academic meetings, regionally and nationally, He has participated in various national work-shops, congress.

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