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Ehab M Esheiba

Thumbay Hospital, UAE

Chronic thrombo-embolic pulmonary hypertension (CTEPH): Case presentation and guidance on management

Chronic thrombo-embolic pulmonary hypertension (CTEPH) is defined as an elevation of the mean pulmonary arterial pressure above 25 mmHg that persists six months after an episode of pulmonary embolism (PE). It occurs in about 2-4% of survivors from PE. The clinical picture, natural history and prognosis may vary from one patient to another. Venous thromboembolism (VTE), including both deep vein thrombosis (DVT) and PE is the third most common cardiovascular illness after acute coronary syndrome and stroke. A 29 year old male patient presented with gradually progressive shortness of breath and fatigue for several months. He had one episode of loss of consciousness. Clinical examination revealed picture of pulmonary hypertension. Further laboratory and imaging confirmed the presence of recent pulmonary embolism and markedly elevated pulmonary arterial pressure, consistent with the diagnosis of CTEPH. In this article, we discussed this clinical case, the diagnostic pathway and the management plan that was followed with the patient till his last follow-up, focusing on guidance on management in the same context. We believe that addressing VTE as a possible regional public health problem should take a multi-dimensional approach targeting the epidemiology of the disease with implementation of cost-effective preventive and therapeutic programs.

Biography

Ehab M Esheiba has completed his Postgraduate Diploma in Internal Medicine and Master Degree in Cardiology in 2004. Later he completed his MRCPUK and he is a Fellow of the Royal College of Physicians of Edinburgh. He is a Member of the European Society of Cardiology and European Association of Cardiovascular Imaging. He has several publications and presentations at national and international levels. He is currently involved in several clinical research projects as a Principal Investigator and also as a Supervisor and Co-Supervisor. He is an Editorial Board Member of a reputed cardiology journal. Currently, he is working as Head of the Cardiology Department of Thumbay Hospital, Gulf Medical University, Ajman, UAE.

dr_ehab@emirates.net.ae

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