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Myocardial infarction caused by triple-hit lymphoma

Hermon Amanuel and Pavel P Kotoucek
Darent Valley Hospital, UK

Triple Hit Lymphoma (THL) is an extremely rare and aggressive form of Non-Hodgkin lymphoma with morphologic, phenotypic and genetic features of both diffuse large B cell lymphoma (DLBCL) and Burkitt Lymphoma (BL). Its characteristic cytogenetic abnormalities involve chromosomal rearrangements of *c-MYC*, *BCL-2* and *BCL-6* genes. It has been recognized, in the 2016-revised WHO classification of lymphoid neoplasms, as High-grade B-cell lymphoma with *MYC* and *BCL2* and/or *BCL6* rearrangements. We describe a case of a 68 years old male with two years history of stable low-grade follicular lymphoma suddenly transforming into acute leukemia caused by THL. During the aggressively progressive phase, he developed Non-ST Elevation MI (NSTEMI), diagnosed by raised troponin and new anterolateral ST depressions on his ECG. His MI was attributed to leukostasis, anemia and coagulopathy. THL carries the poorer prognosis than either DLBCL or BL alone; thus it should be recognized as hematological emergency and patient with such diagnosis should be managed in high dependence unit were possible.

Biography

Hermon Amanuel has completed her Medical degree training at King's Collage London, UK. She is currently undergoing training as Core Medical Trainee at Kent, Surrey and Sussex Deanery.

hermonamanuel@doctors.org.uk

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