

# Question 2

A 27 year old man presents with left calf pain, which he first reported to his internist 16 weeks ago and has become life-style limiting in the last 2 weeks. He is an avid soccer player and skeletal X-rays of the leg were performed to exclude sports injuries (**Figure 1**). His physical examination was unremarkable, except for BP=158/90, presence of yellowish cutaneous papules around the neck and axillae that coalesced into a cobblestone appearance. Funduscopy revealed multiple cracks in Bruch's membrane or angioid streaks. All of the following are associated with this condition except:

1. Recessive inheritance of connective tissue primarily affecting the skin, retina, and cardiovascular system
2. Elastic fiber mineralization (extensive arterial calcification) and fragmentation
3. Significant association with tobacco use
4. The disease is strongly associated with the occurrence of mutations in the ABCC6 (ATP binding cassette family C member 6) gene, which encodes MRP6 (multidrug resistance-associated protein 6)
5. Systemic hypertension and gastrointestinal bleed



Excellence in  
Peripheral Arterial  
Disease

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