Abstract

Introduction

Marfan syndrome is a high-risk condition for aortic dissection. Type A aortic dissection is associated with high morbidity and mortality and requires early surgical intervention. Aortic dissection can present with a wide range of clinical manifestations. Early clinical diagnosis improves survival. Medical management of type A aortic dissection is challenging.

Case presentation

Our patient is a 30-year-old male with Marfan syndrome who underwent mechanical mitral valve repair five years ago while having a mild aortic root dilatation. He was managed as non-ST elevation myocardial infarction three weeks prior at local hospital. He presented to us with acute decompensated heart failure, which gradually developed over three weeks. He had Stanford type A aortic dissection complicated with multiorgan ischemia and congestive cardiac failure. The patient was managed medically until the aortic root repair done which was after three months following the index presentation.

Conclusion

Aortic dissection has a wide range of clinical presentations. We should have a high index of clinical judgment for diagnosis.