

A RARE CASE OF TAKOTSUBO CARDIOMYOPATHY IN AN ELDERLY LADY DURING HOSPITAL STAY

ABSTRACT

INTRODUCTION

Takotsubo Cardiomyopathy (TTC) is an acute, reversible form of left ventricular systolic dysfunction, most often triggered by a sudden physical, or less commonly emotional event. Here, we describe a patient who developed Takotsubo Cardiomyopathy during her hospital stay.

CASE DESCRIPTION

74-year-old Hispanic lady, a nursing home resident presented to the ED with altered mental status. She was admitted for septic shock due to UTI. Echocardiogram demonstrated normal systolic function, with 60-65% LV ejection fraction. After initiation of antibiotic therapy, she showed clinical improvement with resolution of shock.

On day 8 of hospitalization, patient became emotionally upset and her clinical status deteriorated. Troponin peaked at 7.2, CK-MB 29.9, and EKG demonstrated borderline ST-elevation in lateral leads. Repeat echocardiogram demonstrated a significant reduction in the LVEF to 15%, moderately dilated left ventricle with akinesis of the apex and middle third of LV with hyperkinetic base, consistent with Takotsubo Cardiomyopathy. Unfortunately, her condition continued to deteriorate, leading to cardiac arrest and the patient expired.

DISCUSSION/CONCLUSION

There is a paucity in the literature describing the in-hospital occurrence of TTC. A high index of suspicion should be exercised in patients with recent physical or emotional stress with new-onset or refractory shock as the clinical picture of TTS overlaps with ACS.