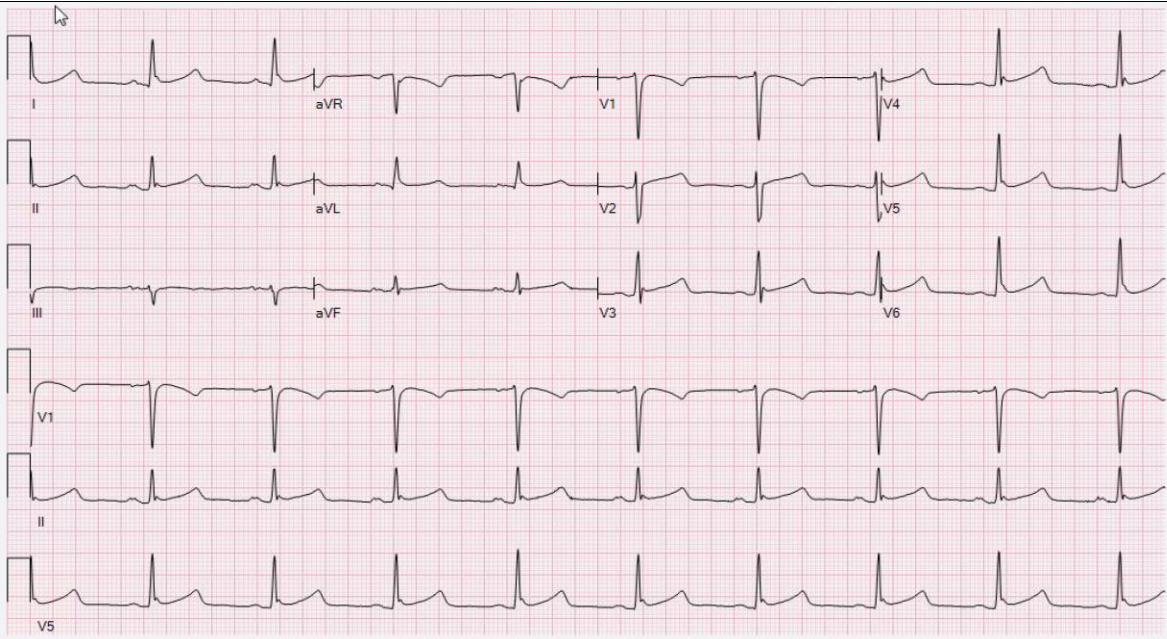


ECG DILEMMAMahaletwork Assefa¹, Sudarshan Balla²¹Department of Medicine, University of Missouri, Columbia, Missouri²Division of Cardiology, Department of Medicine, West Virginia University, Morgantown, WV.Corresponding author: Mahaletwork Assefa, DO. One Hospital Dr, Columbia, MO 65212
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A 45-year-old male was seen as a response to an EMS call. Patient's neighbor saw the patient collapsed in the backyard. Patient had a history of substance abuse and depression. Patient was intubated on field for airway protection. On arrival to the ER, a 12 lead ECG was obtained as shown below. Medication history was not available. Vitals on exam were: HR 60 bpm, BP 90/60 mm Hg. GCS was 8. Pupils were dilated but reactive. Head CT was obtained and was negative for any intracranial concerns. Urine drug screen was positive for cannabis, tricyclics and opiates.

**What is the likely cause of the abnormalities noted on the ECG above?**

1. Tricyclic antidepressant toxicity
2. Hypocalcemia
3. Early repolarization pattern
4. Hypothermia
5. ST elevation MI

See the answer in the next article, "ECG Dilemma-Answer".