ASNC
American Society of Nuclear Cardiology

# Think Amyloid!

## Transthyretin cardiac amyloidosis (ATTR-CA)

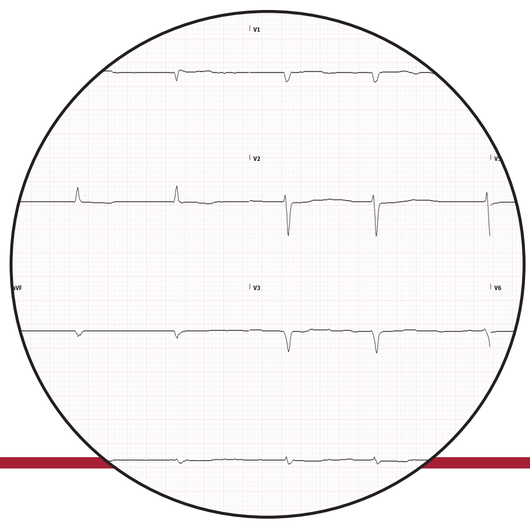
A prevalent, but an under-recognized form of progressive, life-threatening infiltrative cardiomyopathy.

## Patients >60 years with clinical HF, and:

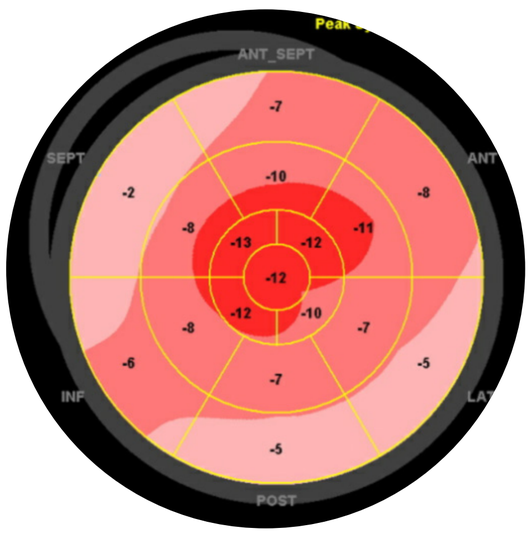
**African American descent**
4% prevalence of hereditary transthyretin amyloidosis; V142I mutation

**Elderly**
Prevalence of wild-type ATTR-CA increases with age

**Increased LV wall thickness**



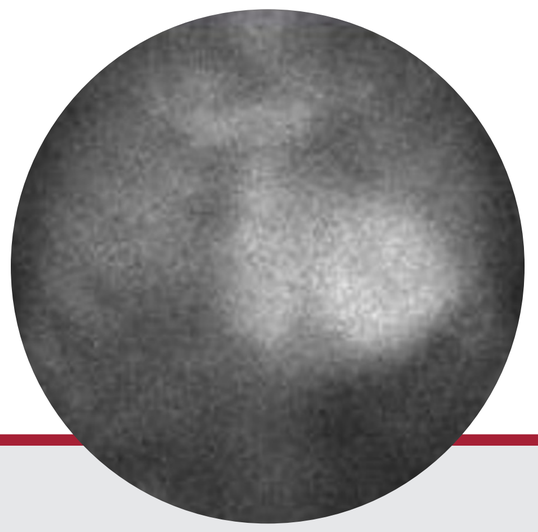
**Low voltage ECG**




**Apical Sparing Strain Pattern**

### "Red Flags":

- Low voltage ECG
- Apical sparing strain pattern (cherry on top) echocardiography
- Repeat heart failure (HF) admissions
- Chronic low-level troponin elevation
- Bilateral carpal tunnel syndrome
- Atrial fibrillation/bradycardia/heart block
- Gastroparesis/vomiting/constipation
- Autonomic dysfunction (orthostatic hypotension or syncope)
- Polyneuropathy



**Positive PYP scan (highly specific for ATTR-CA)**

## RECOMMENDATION

### Promptly order the following initial tests:

1. Pyrophosphate (PYP) scan
2. Rule out light chain amyloidosis by:
   a. Serum and urine kappa/lambda light chains
   b. Serum and urine immunofixation electrophoresis

Get More ATTR-CA Resources

*Hover over image with your camera*

ASNC thanks Saurabh Malhotra, MD, MPH for developing this poster.
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