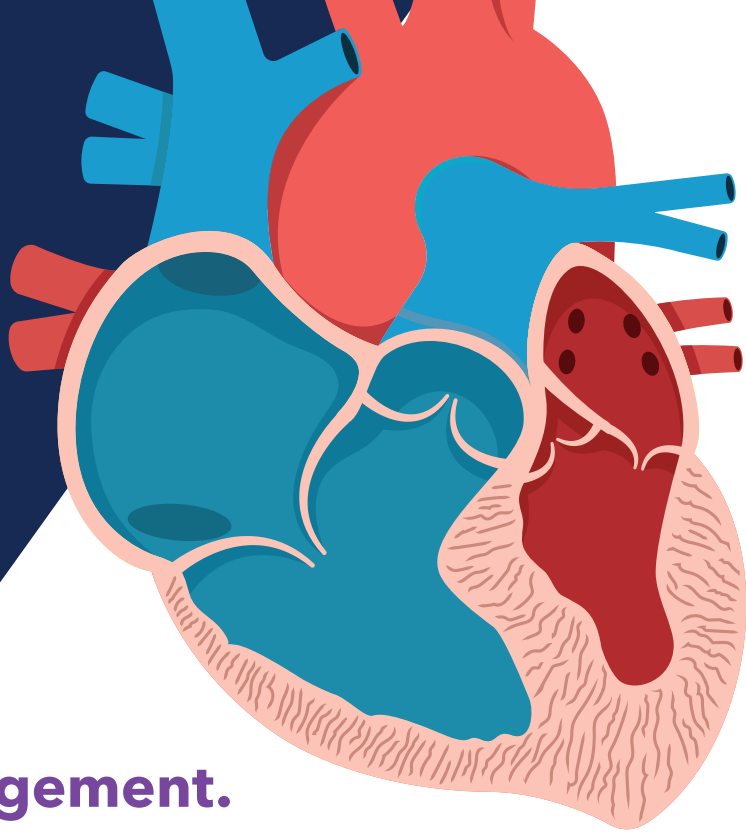


RENEWED FOCUS ON CARDIAC AMYLOIDOSIS

Meeting Key Clinical Challenges



AMERICAN COLLEGE of CARDIOLOGY®

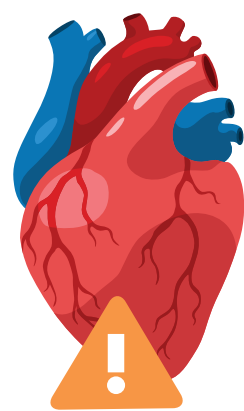


Cardiac amyloidosis is more common than previously thought - affecting **5-15%** of at-risk populations (HFpEF, aortic stenosis).

Take steps to ensure early diagnosis and proper management.

1 Recognize and look for clinical clues that suggest cardiac amyloidosis.

Cardiac



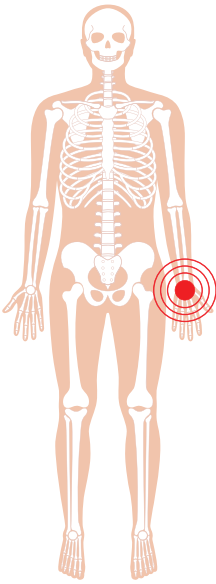
- Heart failure symptoms
- Atrial fibrillation
- Bradyarrhythmias/conduction problems/pacemaker

Specific echo variables

- Left ventricular hypertrophy/discordant voltage on ECG
- Decreased global longitudinal strain, often with apical sparing

Noncardiac manifestations

Musculoskeletal/neuropathy



- Bilateral carpal tunnel in patients 60+ ← Most common
- Lumbar spinal stenosis
- Ruptured tendon(s), joint replacements
- Peripheral neuropathy
- Muscle weakness, falls

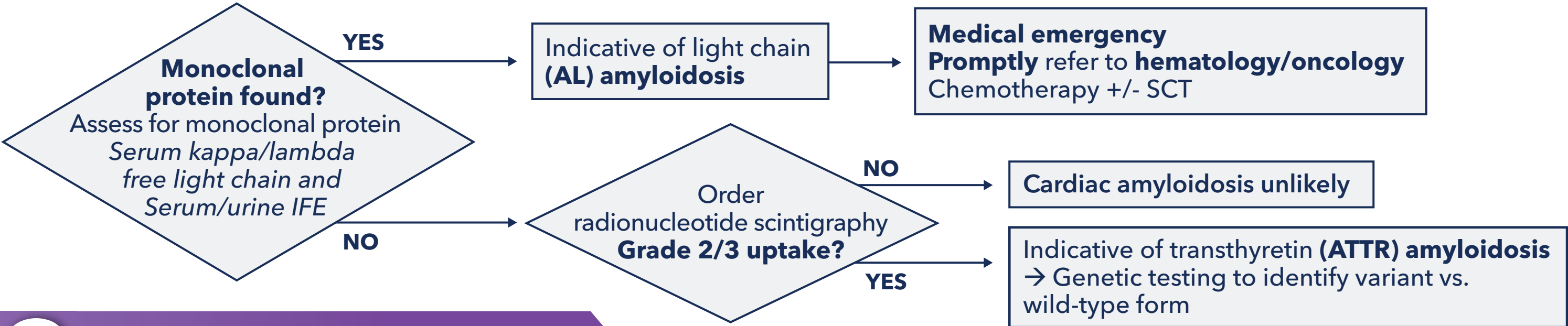
Autonomic dysfunction



- Orthostatic hypotension
- Nausea, vomiting, diarrhea, weight loss
- Erectile dysfunction
- Urinary retention

2 Ensure proper diagnosis by ordering the right tests.

First **rule out** immunoglobulin light chain (**AL**) amyloidosis to then **rule in** transthyretin (**ATTR**) amyloidosis.



3 Prescribe appropriate treatments.

i Note monoclonal protein screening and nuclear scan are often ordered together.

Treatments for ATTR are designed to:

Stop amyloid production in the liver	Stabilize misfolded protein	Remove related heart damage
FDA-approved TTR silencers* <ul style="list-style-type: none">• Eplontersen, patisiran, and vutrisiran for variant transthyretin amyloidosis with neuropathy• Vutrisiran for transthyretin cardiac amyloidosis <div>All agents<ul style="list-style-type: none">➔ Slow disease progression, but don't reverse damage➔ Preserve functional capacity and quality of life➔ Reduce risk of hospitalization and mortality</div>	Transthyretin stabilizers* (tafamidis and acoramidis)	Depletion therapies in clinical trials
		Cardiac replacement Heart transplant in selected patients
Gene editing in clinical trials	*No evidence of superiority of these medications over each other or benefit with combination therapy.	

Other considerations for rapidly changing field:

- Regular cardiology follow-up
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- Support healthy lifestyle - limiting salt, exercise
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- High medication costs/ inadequate coverage