

TAKE ACTION

Because early detection and intervention are critical to slow disease progression^{1,2}

Establish a diagnosis in 3 steps¹⁻⁷

1. Rule out AL amyloidosis with simple monoclonal light-chain assays
2. Detect amyloid deposition in myocardial tissue with nuclear scintigraphy or tissue biopsy
3. Use genetic testing to determine if ATTR-CM is hereditary

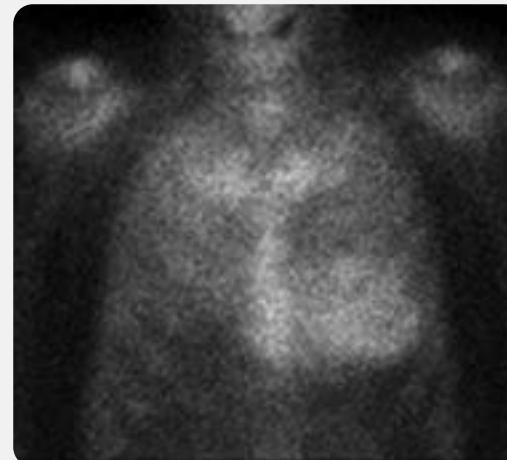


Learn more about diagnosing ATTR-CM

NUCLEAR SCINTIGRAPHY, CARDIAC BIOPSY, AND GENETIC TESTING CAN HELP CONFIRM AN ATTR-CM DIAGNOSIS^{1,2*}

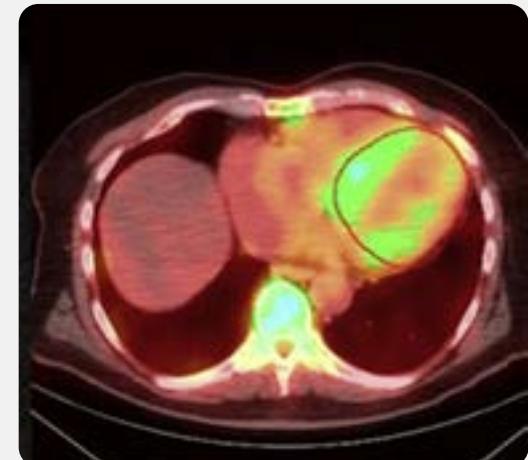
Nuclear scintigraphy is a **noninvasive diagnostic** that can detect amyloid presence in the heart.³⁻⁵

Planar imaging



^{99m}Tc-PYP planar scan in a patient with wtATTR-CM: **Grade 3** cardiac uptake, H/CL ratio 1.8 at 3 hours⁸

SPECT



In the same patient, SPECT confirmation of radiotracer uptake in myocardium⁸

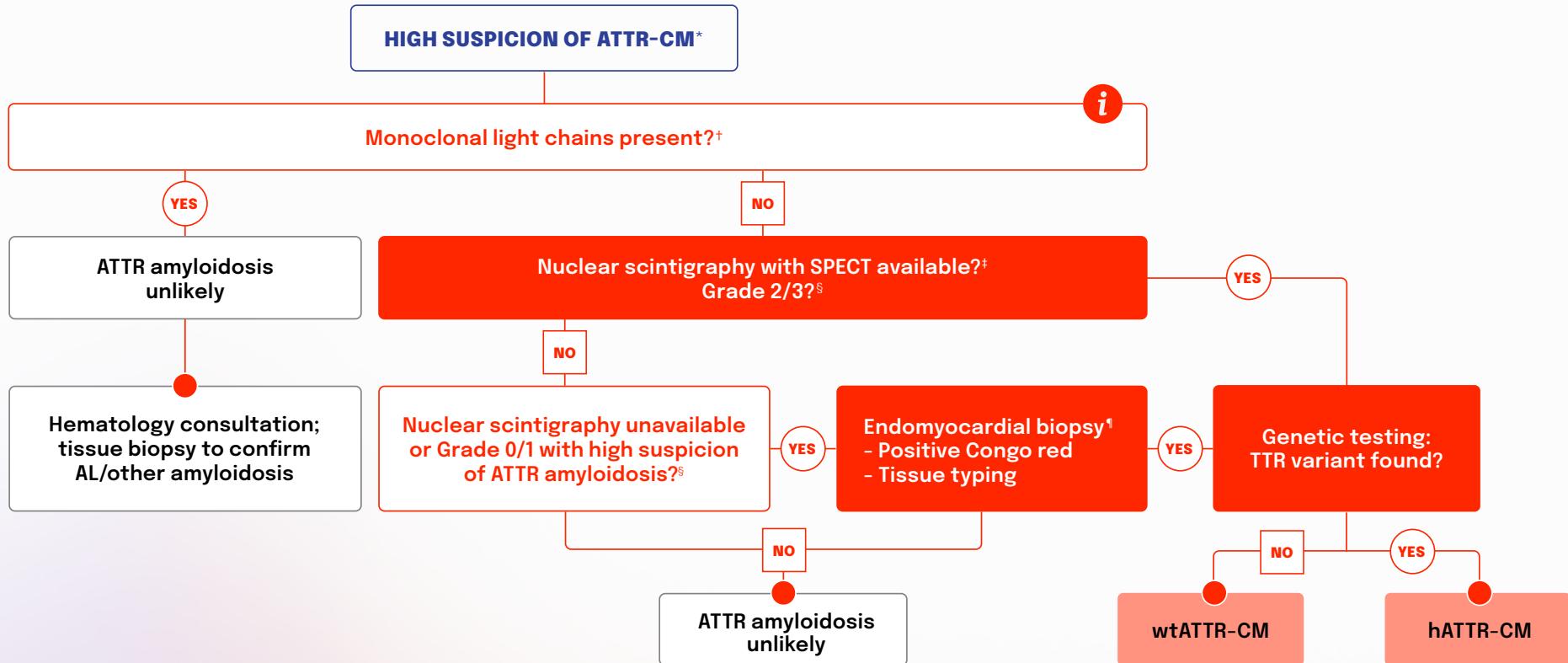
Diagnosis is based on the independent medical judgment of the healthcare professional.
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*Not a comprehensive list of all diagnostic tools.

^{99m}Tc-PYP=technetium-99m-pyrophosphate; AL=amyloid light chain; ATTR-CM=cardiomyopathy of transthyretin-mediated amyloidosis; H/CL=heart-to-contralateral lung; SPECT=single-photon emission computed tomography; wtATTR-CM=cardiomyopathy of wild-type transthyretin-mediated amyloidosis.

DIAGNOSING ATTR-CM

Follow the diagnostic algorithm for ATTR-CM^{1,2}



Diagnosis is based on the independent medical judgment of the healthcare professional.

Adapted from: Kittleson et al and Kittleson et al.^{1,2}

*Based on signs, symptoms, and initial findings consistent with ATTR amyloidosis.^{1,2}

[†]The 2023 American College of Cardiology Expert Consensus recommends serum and urine immunofixation electrophoresis and serum free light chain assay to exclude AL amyloidosis in the initial diagnostic workup.

[‡]Consider biopsy if scan is negative/equivocal but clinical suspicion is high.

[§]Grade 0: no cardiac and normal rib uptake; Grade 1: cardiac<rib uptake; Grade 2: cardiac=rib uptake; Grade 3: cardiac>rib uptake with mild/absent rib uptake.

[†]Sensitivity of a non-endomyocardial biopsy varies by site; negative fat-pad biopsy is not sufficient to exclude ATTR amyloidosis.

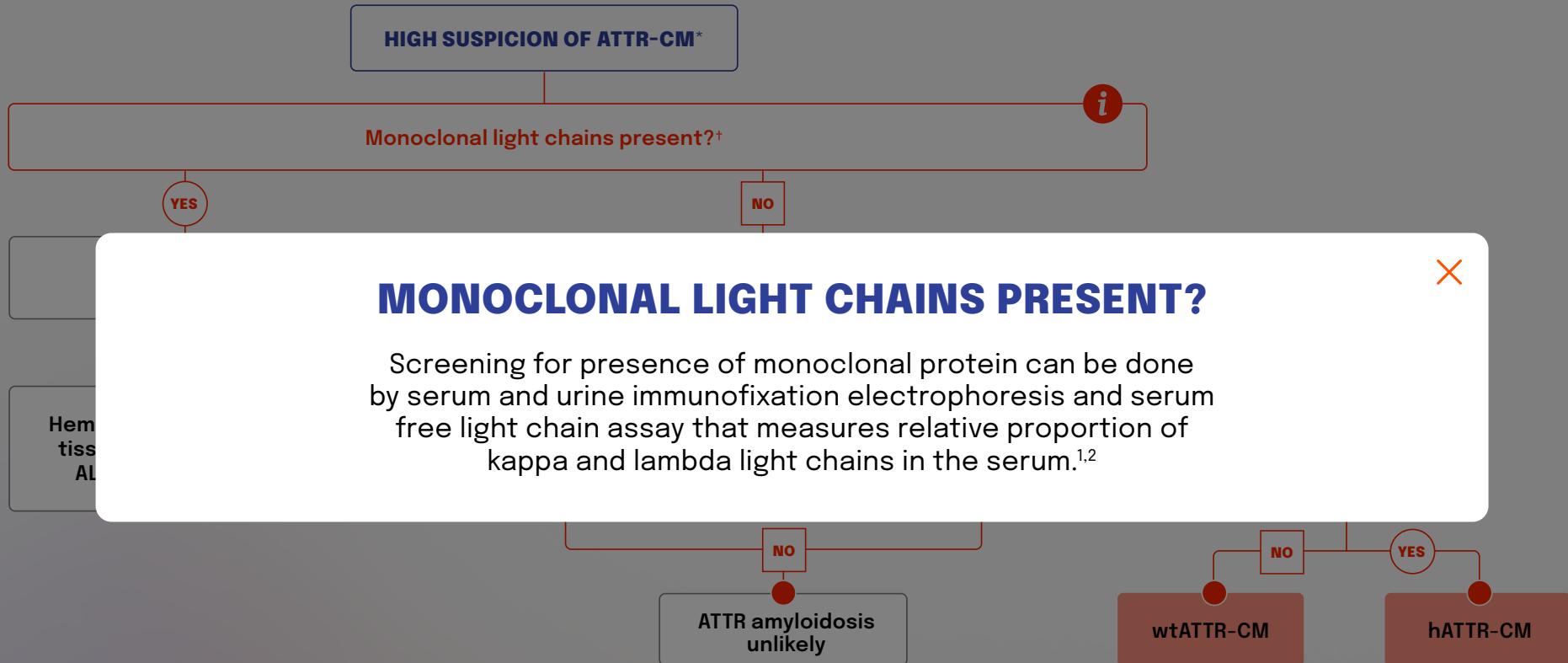
ATTR=transthyretin-mediated amyloidosis; hATTR-CM=cardiomyopathy of hereditary transthyretin-mediated amyloidosis; TTR=transthyretin.

References: 1. Kittleson MM, et al. *Circulation*. 2020;142(1):e7–e22. 2. Kittleson MM, et al. *J Am Coll Cardiol*. 2023;81(11):1076–1126. 3. Gillmore JD, et al. *Circulation*. 2016;133(24):2404–2412. 4. Ruberg FL, et al. *Circulation*. 2012;126(10):1286–1300. 5. Dharmarajan K, et al. *J Am Geriatr Soc*. 2012;60(4):765–774. 6. Maurer MS, et al. *Circ Heart Fail*. 2019;12(9):e006075. 7. Ando Y, et al. *Orphanet J Rare Dis*. 2013;8:31. 8. Hanna M, et al. *J Am Coll Cardiol*. 2020;75(22):2851–2862.

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