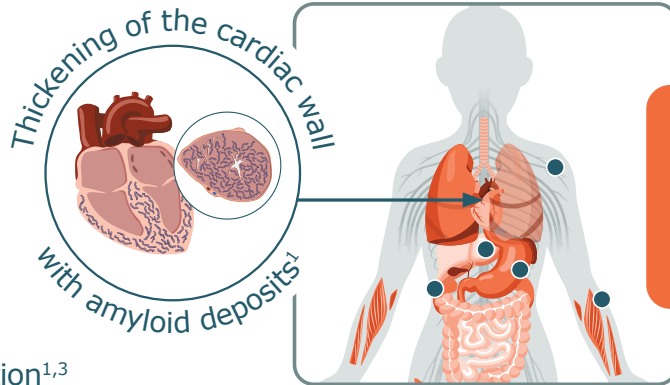


# Amyloid Light Chain (AL) Amyloidosis

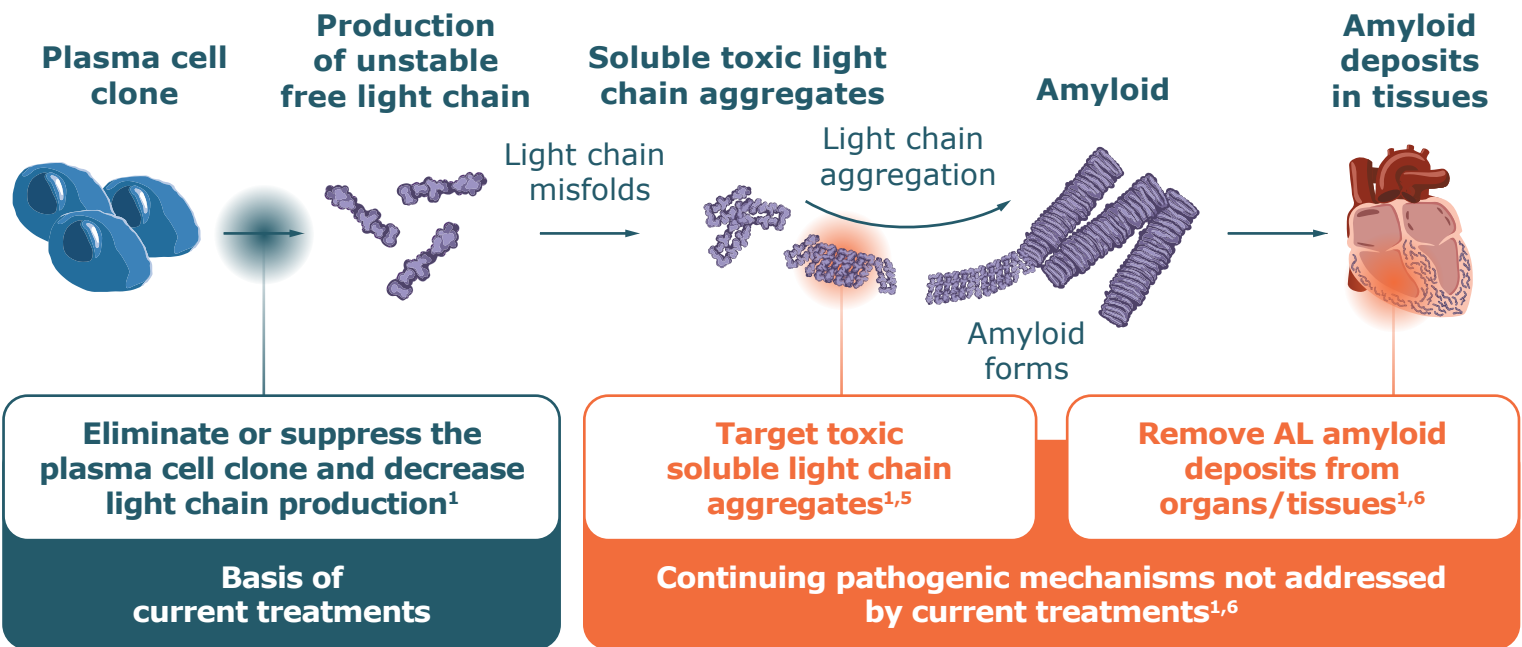
## Is a Rare Disease Involving Deposition of Misfolded Protein in Vital Organs<sup>1</sup>

- AL amyloidosis is a rare, progressive, and typically fatal disease affecting about 10 people per every million<sup>2</sup>
- Approximately 70-80% of patients with AL amyloidosis have cardiac involvement<sup>1</sup>
- Newly diagnosed individuals with AL amyloidosis with cardiac involvement have an elevated risk of death, primarily due to cardiac dysfunction<sup>1,3</sup>



**AL amyloidosis with cardiac involvement is a medical emergency<sup>4</sup>**

### Current Therapies Do Not Target Light Chain Aggregates or Deposited Amyloid<sup>1</sup>



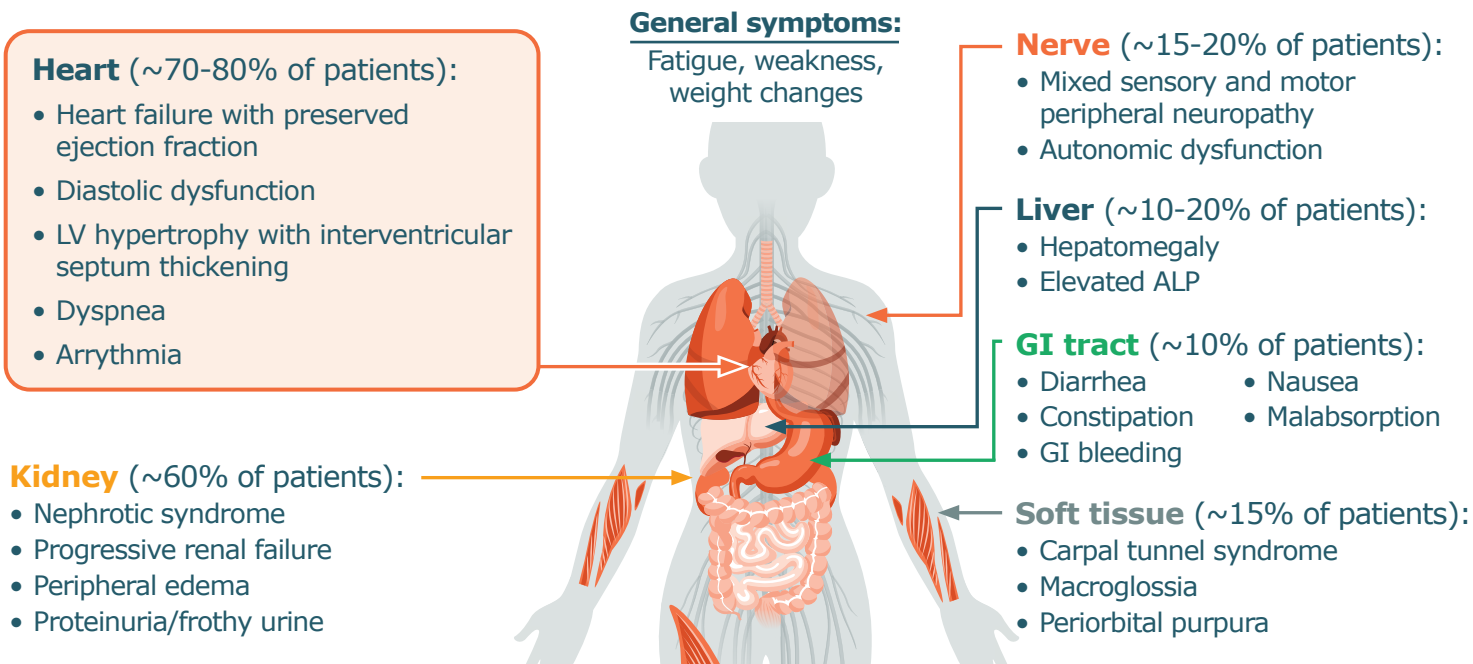
- **Cardiac response is limited with current therapies<sup>7</sup>**, likely due to persistence of toxic soluble light chains and/or amyloid deposits that continue to impair organs<sup>8,9</sup>
- **Despite improvements in standard of care, high early mortality rates persist in patients with AL amyloidosis with significant cardiac involvement<sup>10-12</sup>**
  - In recent studies, 23-35% of patients with AL amyloidosis with significant cardiac involvement\* treated with daratumumab-based regimens died within 6 months<sup>10-12</sup>
- Patients with AL amyloidosis with significant cardiac involvement<sup>3,13</sup> are at high risk for early death<sup>3,13</sup> reinforcing survival as the ultimate goal of therapy<sup>14</sup>

\*Data from EU Modified Mayo 2004 Stage IIIa/IIIb patients who received daratumumab-based regimens.

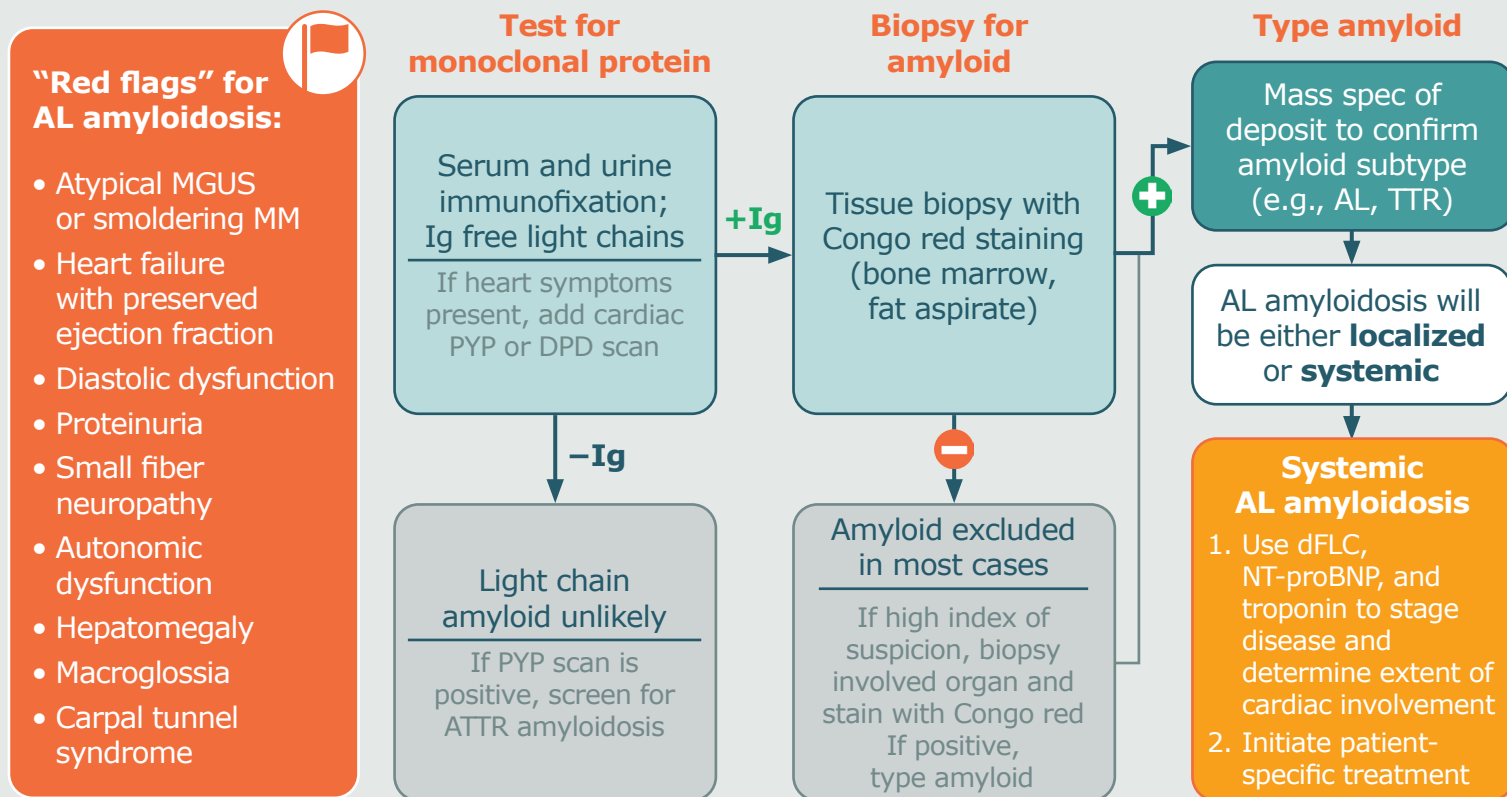
1. Sanchorawala V. *N Engl J Med.* 2024;390:2295-2307; 2. Kumar S, et al. *Orphanet J Rare Dis.* 2022;17:278; 3. Barrett CD, et al. *JACC Heart Fail.* 2019;7:958-966; 4. Milani P, et al. *Amyloid.* 2024;31:220-225; 5. Renz M, et al. *Amyloid.* 2016;23:168-177; 6. Wechalekar AD, et al. *JACC CardioOncol.* 2022;4:427-441; 7. Kastritis E, et al. *Blood.* 2024;144(Suppl 1):891 [Abstract and Oral Presentation]; 8. Li X, et al. *J Cancer Res Clin Oncol.* 2024;150:193; 9. Bomszyk J, et al. *Blood.* 2024;143:1259-1268; 10. Kastritis E, et al. *Blood.* 2023;142(Suppl 1):539 [Abstract and Oral Presentation]; 11. Oubari S, et al. *Haematologica.* 2024;109:220-230; 12. Chakraborty R, et al. *Am J Hematol.* 2024;99:477-479; 13. Palladini G, et al. *Blood Cancer J.* 2023;13:19; 14. Maurer MS, et al. *Circ Heart Fail.* 2022;15:e009038.

# Diagnosis of AL Amyloidosis Is Commonly Delayed;<sup>1,2</sup> Patient Identification Is Critical to Minimize Organ Damage and Improve Outcomes<sup>3</sup>

## Multisystem Organ Involvement Results in Varied Clinical Presentation<sup>4-6</sup>



## AL Amyloidosis Diagnostic Algorithm (Gertz MA *Am J Hematol.* 2024)<sup>7</sup>



AL, light chain; ALP, alkaline phosphatase; dFLC, difference between involved and uninvolved free light chains; DPD, 3,3-diphosphono-1,2-propanodicarboxylic acid; GI, gastrointestinal; Ig, immunoglobulin; LV, left ventricular; MGUS, monoclonal gammopathy of unknown significance; MM, multiple myeloma; NT-proBNP, N-terminal pro B-type natriuretic peptide; PYP, pyrophosphate; TTR, transthyretin.

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