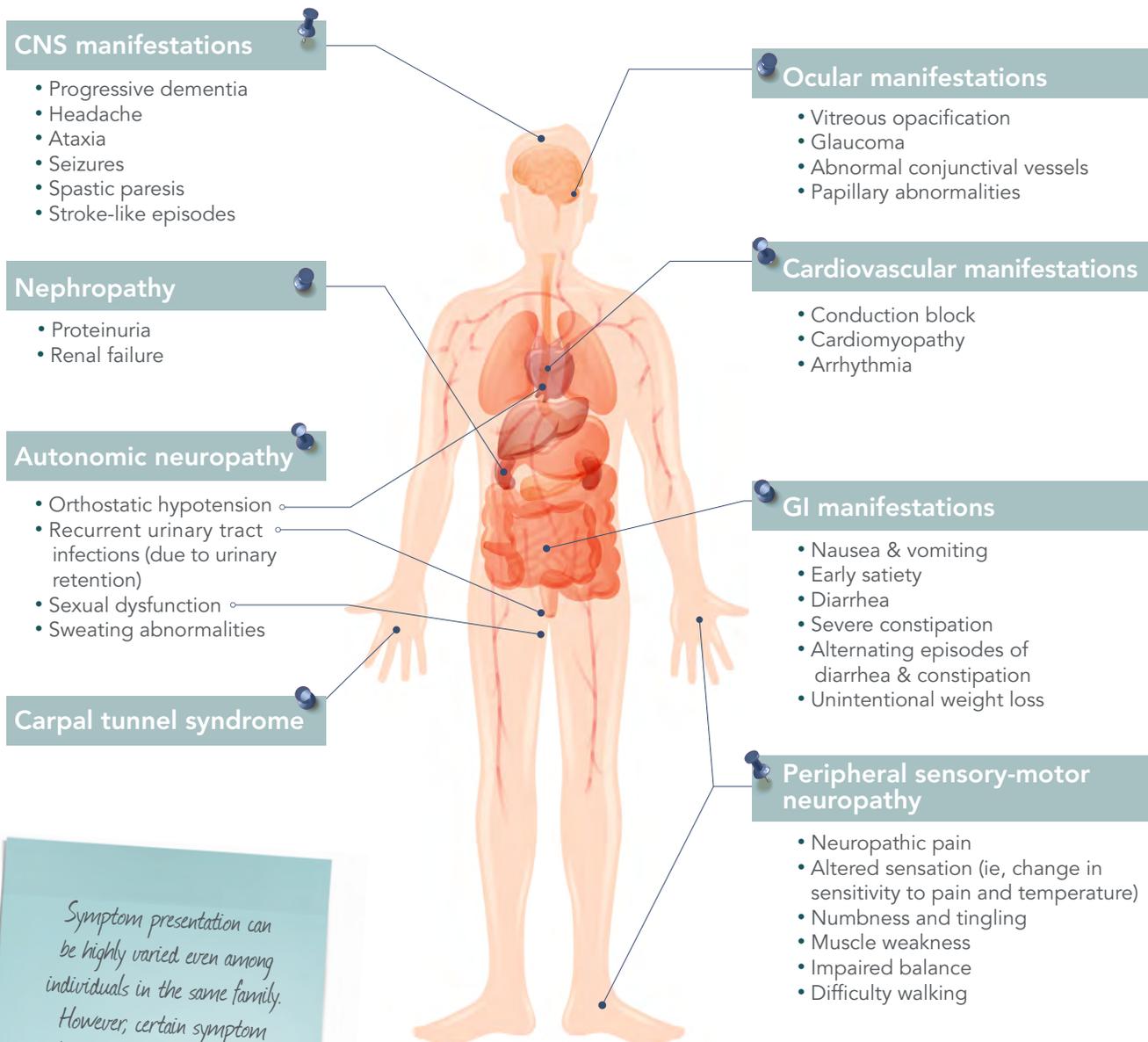


# Hereditary ATTR amyloidosis: a life-threatening, multisystem disease<sup>1-4</sup>

Hereditary ATTR (hATTR) amyloidosis is an inherited, rapidly progressive, life-threatening disease.<sup>2,3,5</sup> It is caused by a mutation in the transthyretin (TTR) gene that results in misfolded TTR proteins accumulating as amyloid fibrils in multiple sites including the nerves, heart, and gastrointestinal tract.<sup>2,6,7</sup> Patients with hATTR amyloidosis can present with symptoms across a spectrum that includes<sup>1,3,4</sup>:

- Peripheral sensory-motor neuropathy
- Autonomic dysfunction
- Cardiomyopathy

## Constellation of possible signs and symptoms of hATTR amyloidosis



*Symptom presentation can be highly varied even among individuals in the same family. However, certain symptom clusters should raise suspicion of a single underlying condition.<sup>1,8</sup>*

Adapted from Conceição I, et al. *J Peripher Nerv Syst.* 2016;21(1):5-9.

See the reverse side to learn how to **recognize the red-flag symptoms** of hATTR amyloidosis.

# Recognize the red flags. Suspect hereditary ATTR amyloidosis.

Patients with hATTR amyloidosis require an early and accurate diagnosis due to the rapid natural progression of the disease<sup>1,9,10</sup>

The clinical manifestation of hATTR amyloidosis can vary widely, and recognizing the signs can be crucial to an early diagnosis.<sup>1</sup>

The combination of peripheral neuropathy with autonomic dysfunction or cardiac involvement may indicate hATTR amyloidosis<sup>1</sup>

 Progressive symmetric sensory-motor neuropathy and  $\geq 1$  of the following:



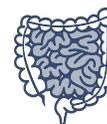
Bilateral carpal tunnel syndrome



Nephropathy (eg, proteinuria or renal failure)



Early autonomic dysfunction (eg, erectile dysfunction or postural hypotension)



Gastrointestinal complaints (eg, chronic diarrhea, constipation, or diarrhea/constipation)



Unexplained weight loss



Cardiovascular manifestations (eg, conduction block, cardiomyopathy, or arrhythmia)



Vitreous opacities



Positive family history

**Additional signs: Rapid disease progression or failure to respond to immunomodulatory treatment**

Adapted from Conceição I, et al. *J Peripher Nerv Syst.* 2016;21(1):5-9.

To learn more about hATTR amyloidosis and genetic screening made available at no charge through Alnylam Act™, visit [www.hattramyloidosis.com](http://www.hattramyloidosis.com).

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