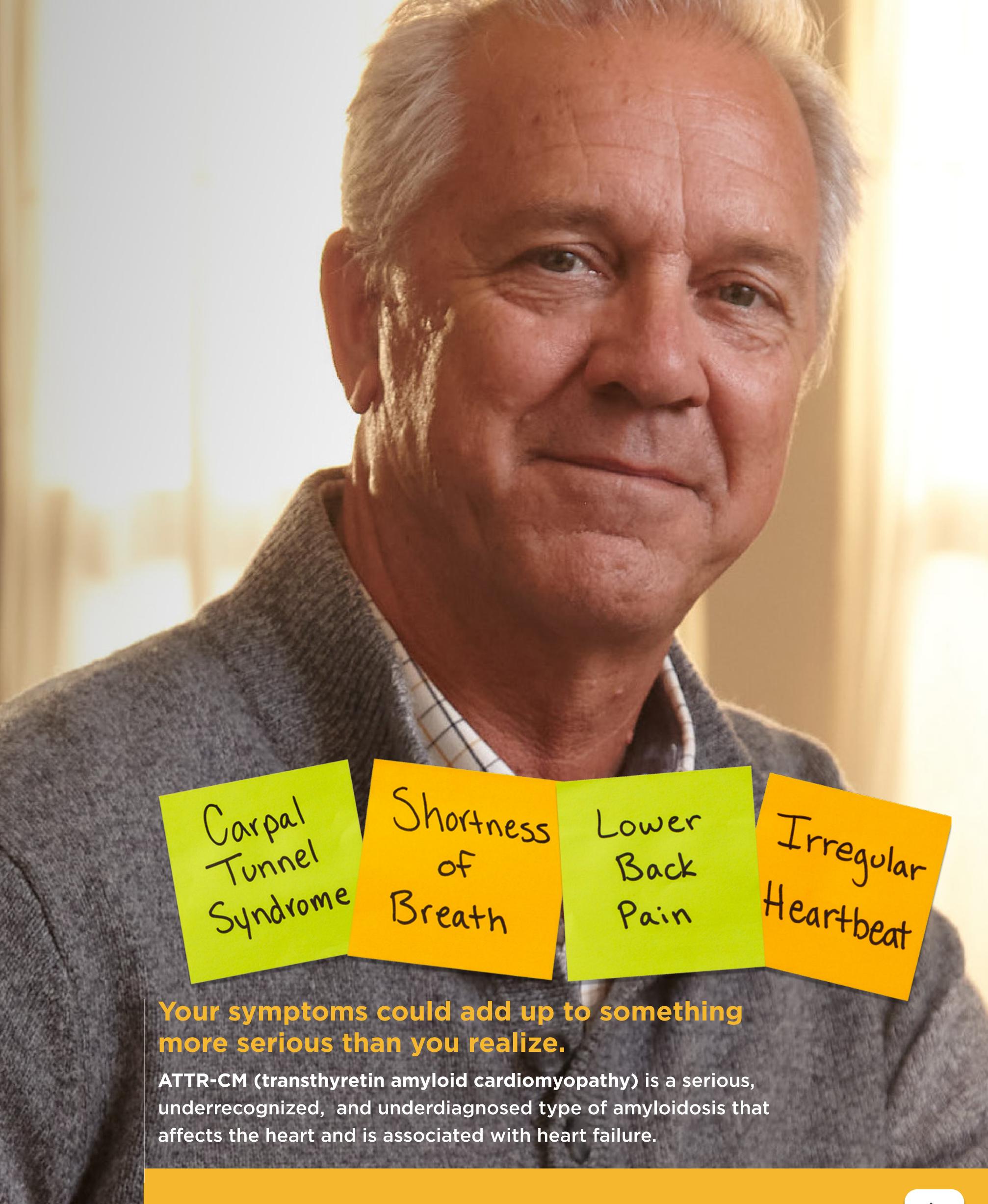
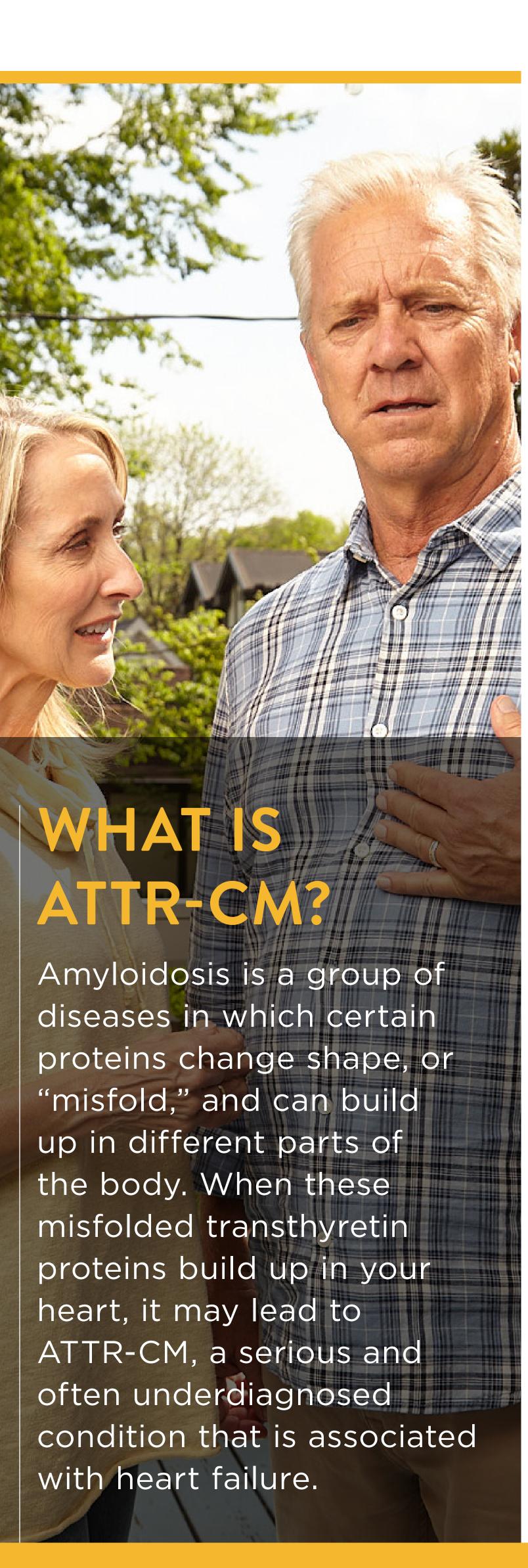
Brought to you by the people at Pfizer

Heart failure patients, IT'S TIME TO SEE THE BIGGER PICTURE

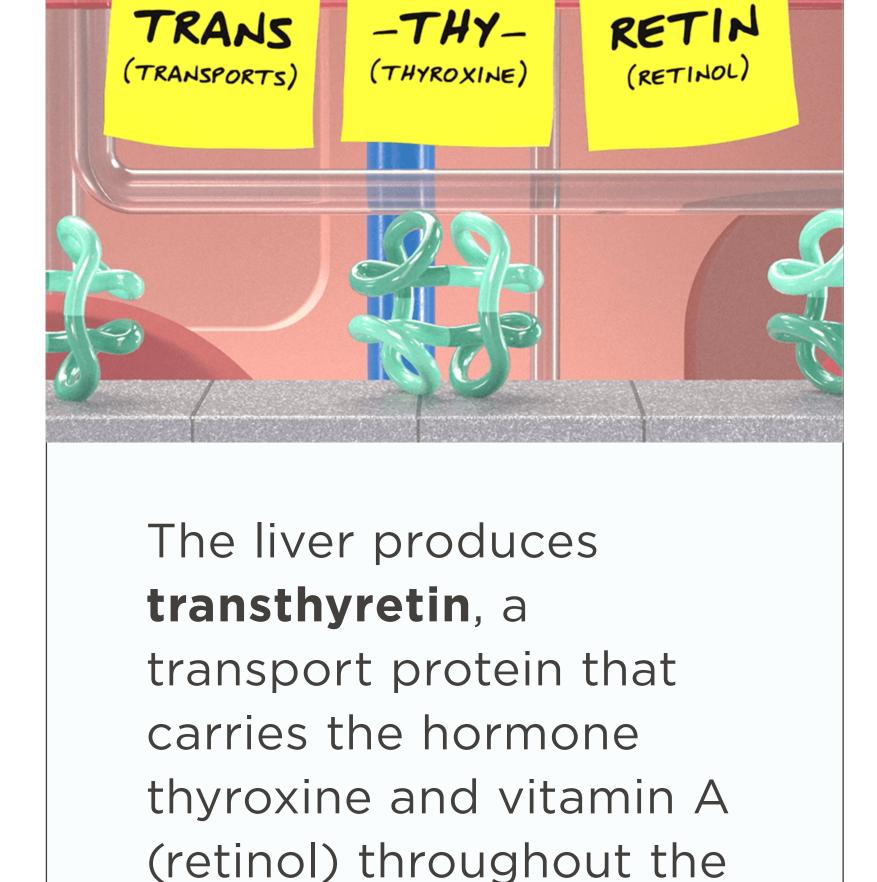
02	What Is ATTR-CM?	
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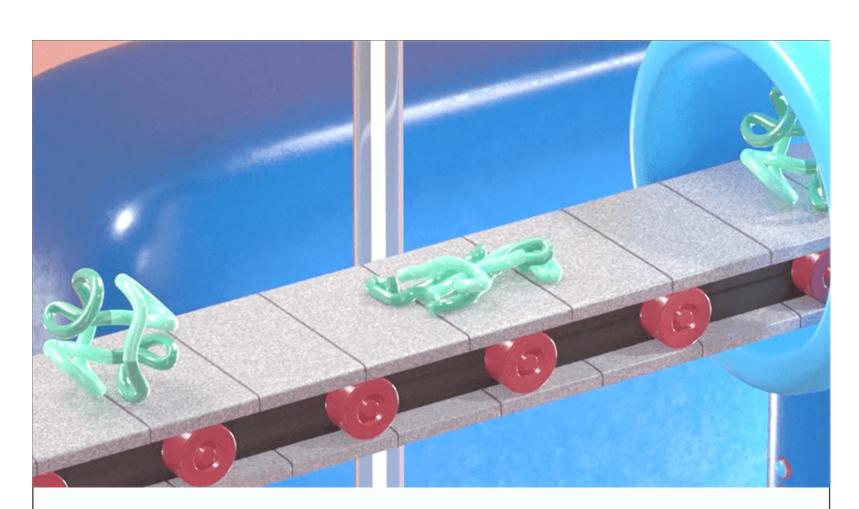
Here's what happens inside the body with ATTR-CM

Imagine your body as a factory, composed of many systems working together to maintain your health. The liver is just one part of that system, but it carries out many important jobs that can affect your entire body, including the heart.



bloodstream, including

the heart.



When someone has ATTR-CM, either due to aging (wild-type) or an inherited genetic variant (hereditary), the protein **becomes** unstable and misfolds.



Over time, the misfolded proteins join together and build up in the body, including in the heart (causing the heart muscle to thicken and stiffen, eventually leading to heart failure).

WATCH VIDEO



WHAT IS ATTR-CM?

Types of ATTR-CM



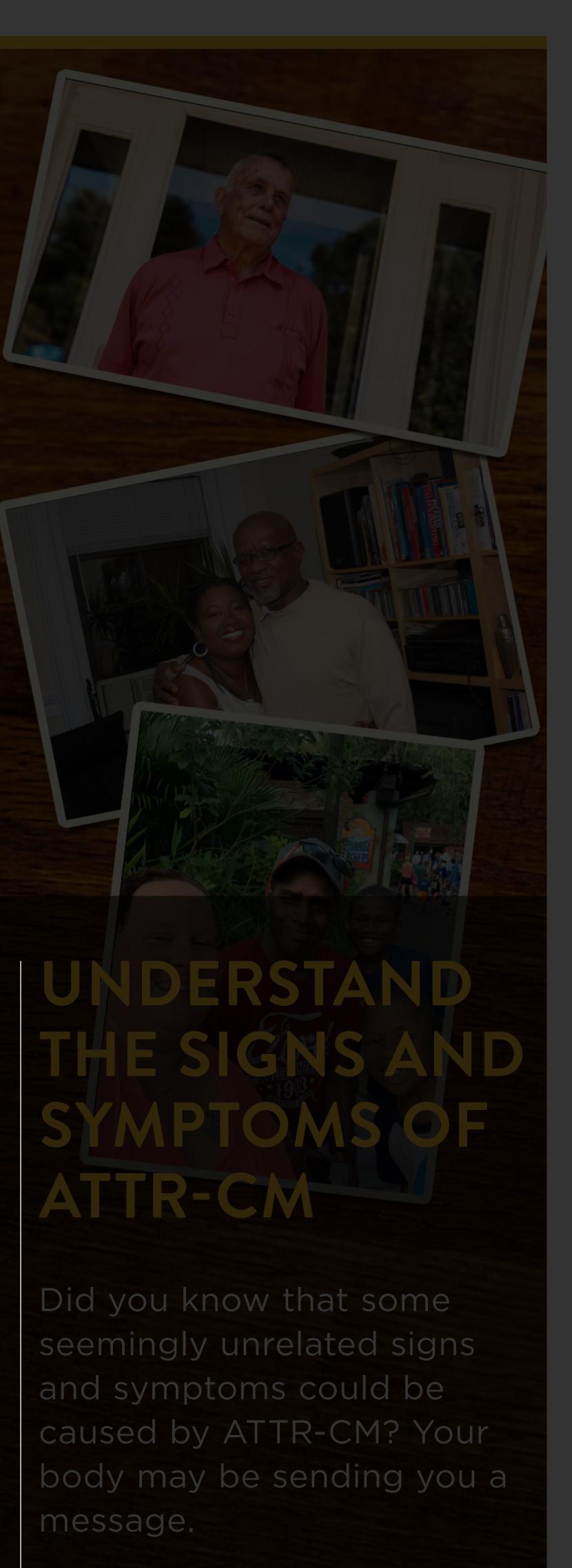
- Associated with aging
- Most often affects white men over the age of 60
- May be the most common form of ATTR-CM



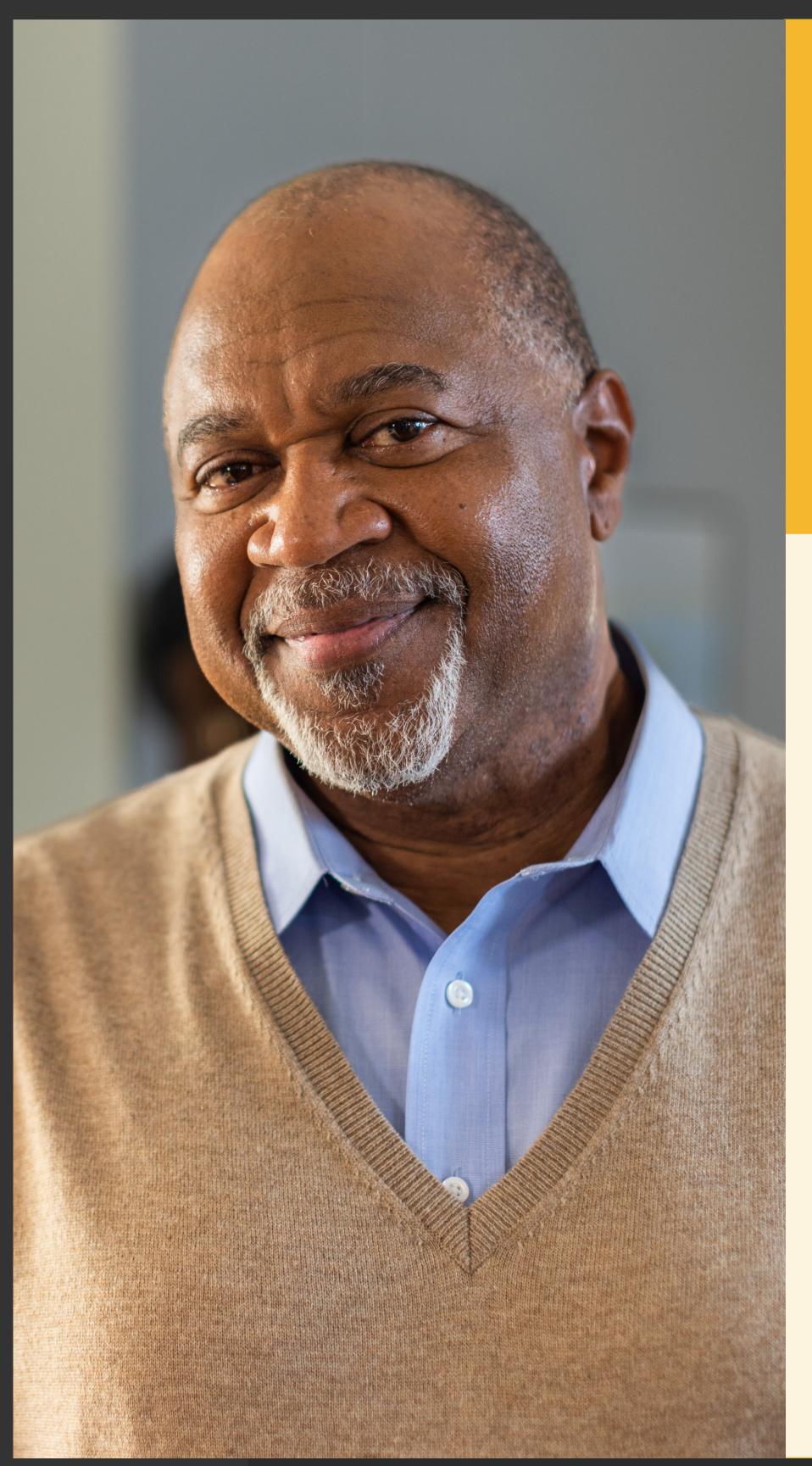
- Caused by a change (or "mutation") in one of your genes
- Passed down from a relative
- Affects both men and women, with symptoms beginning as early as 50 to 60 years old
- There are more than 120 known mutations that cause hATTR; the most common mutation in the United States is **V122i**

HEART TALKS: PATIENT STORIES >





Types of ATTR-CM



V122i ALMOST EXCLUSIVELY AFFECTS AFRICAN AMERICANS

In the United States, the V122i mutation is found almost exclusively in individuals of African ancestry. Approximately 3% to 4% of African Americans in the US are thought to be carriers of the mutation. However, not all individuals with the V122i mutation develop symptoms of hereditary ATTR-CM.



over the age

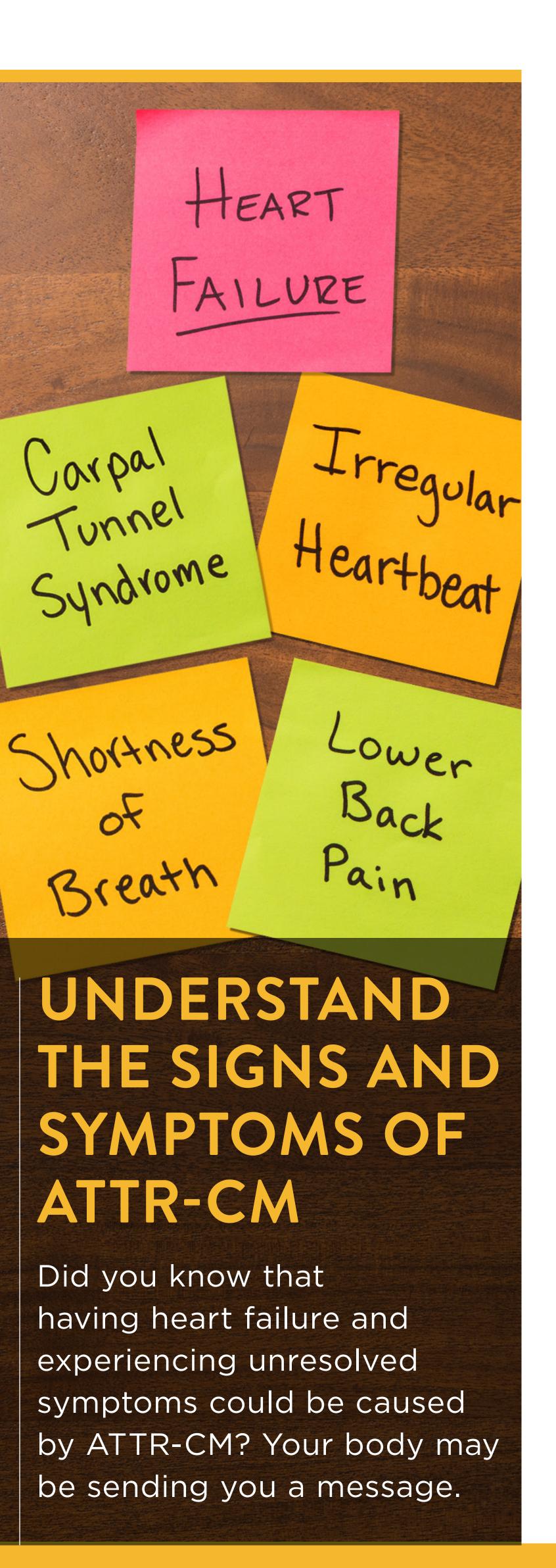
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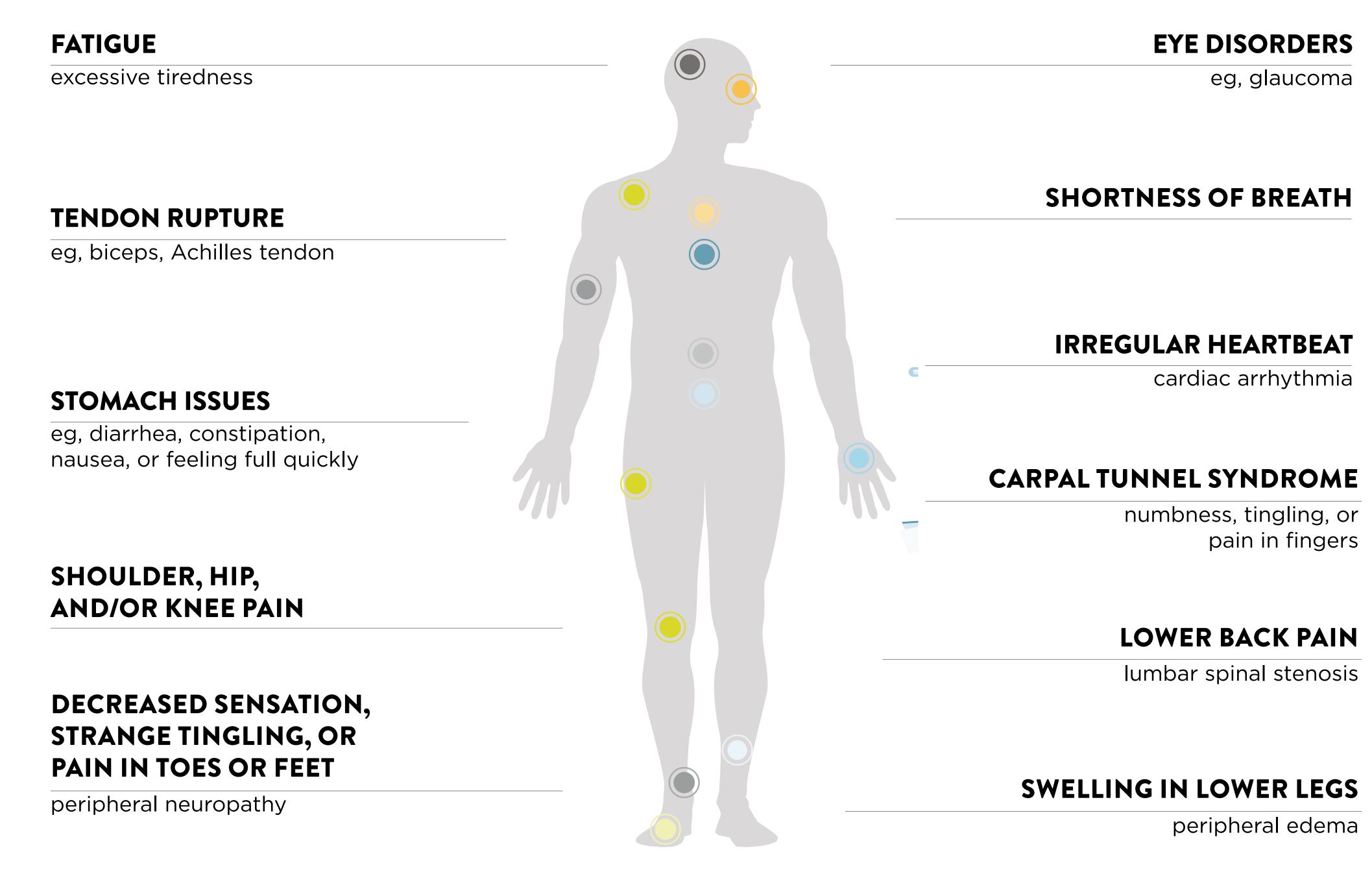
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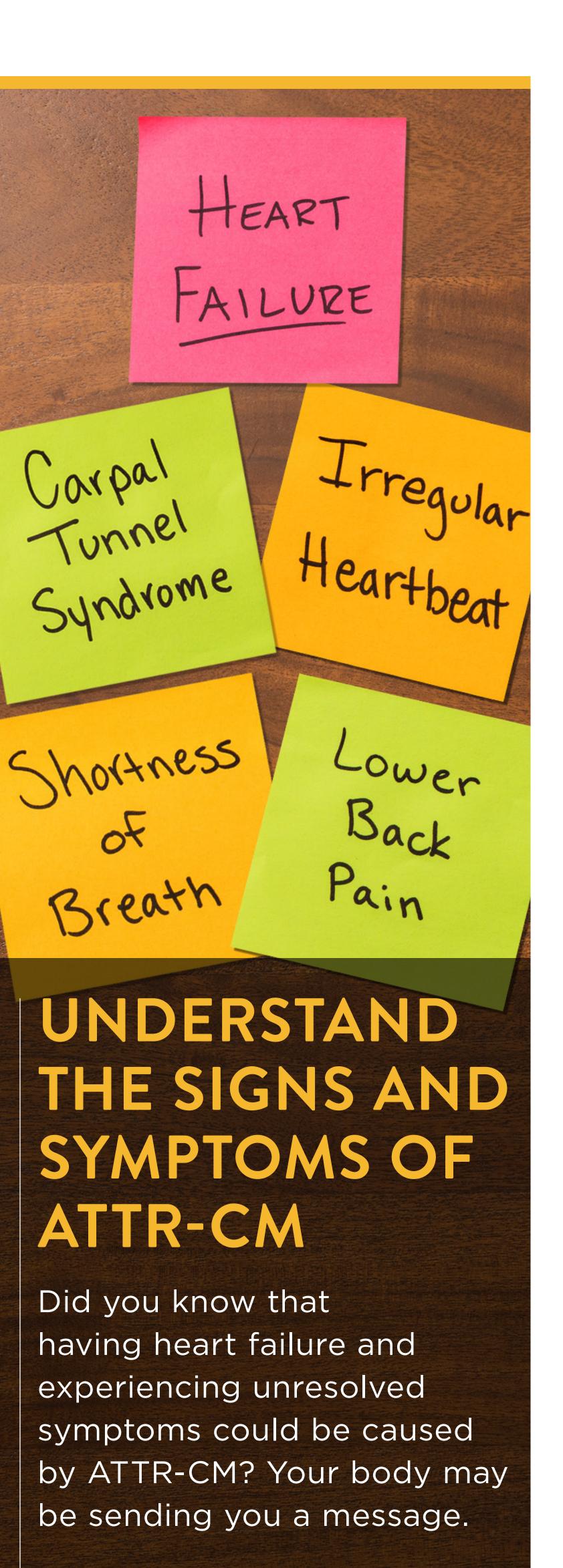


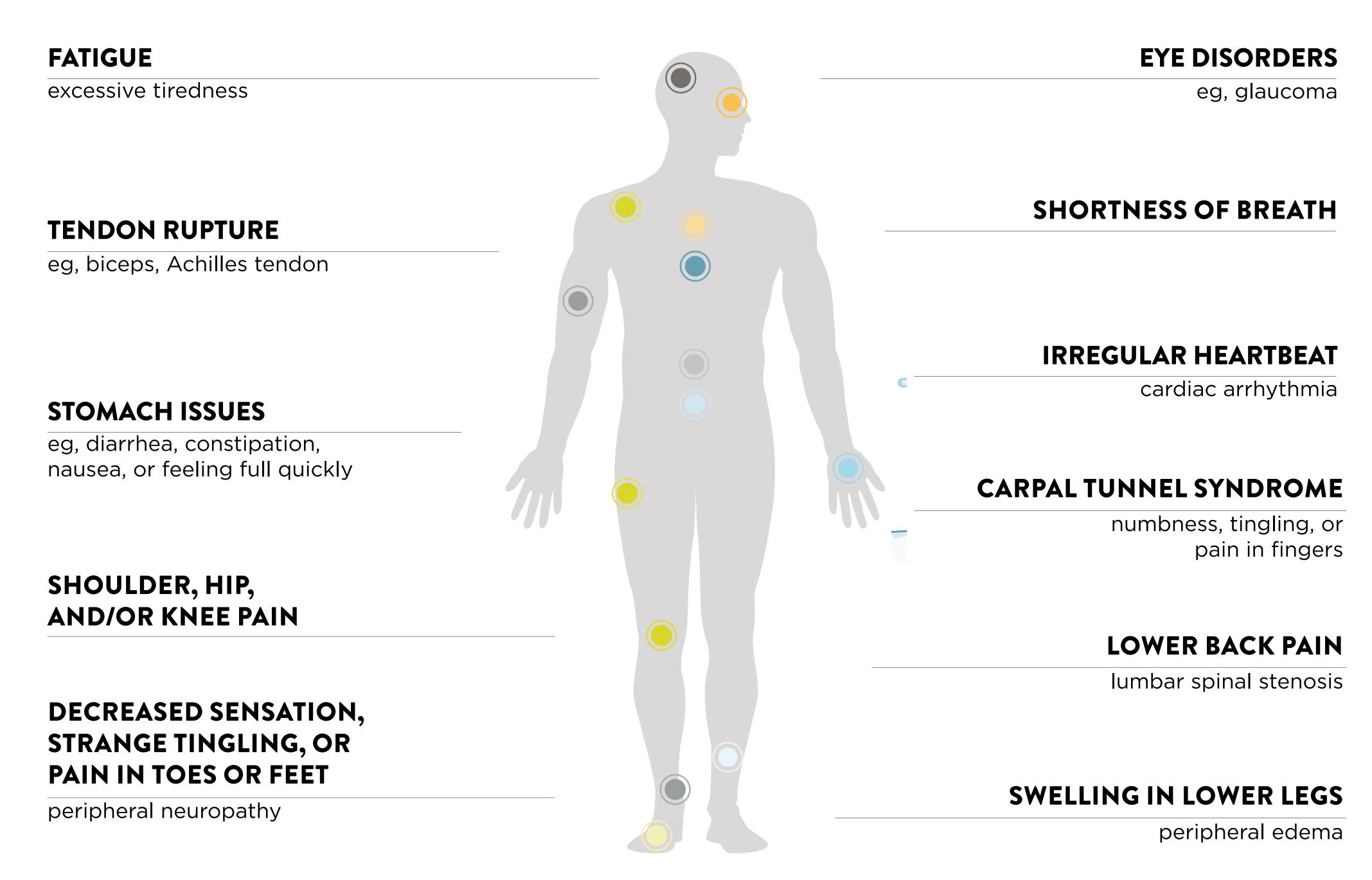


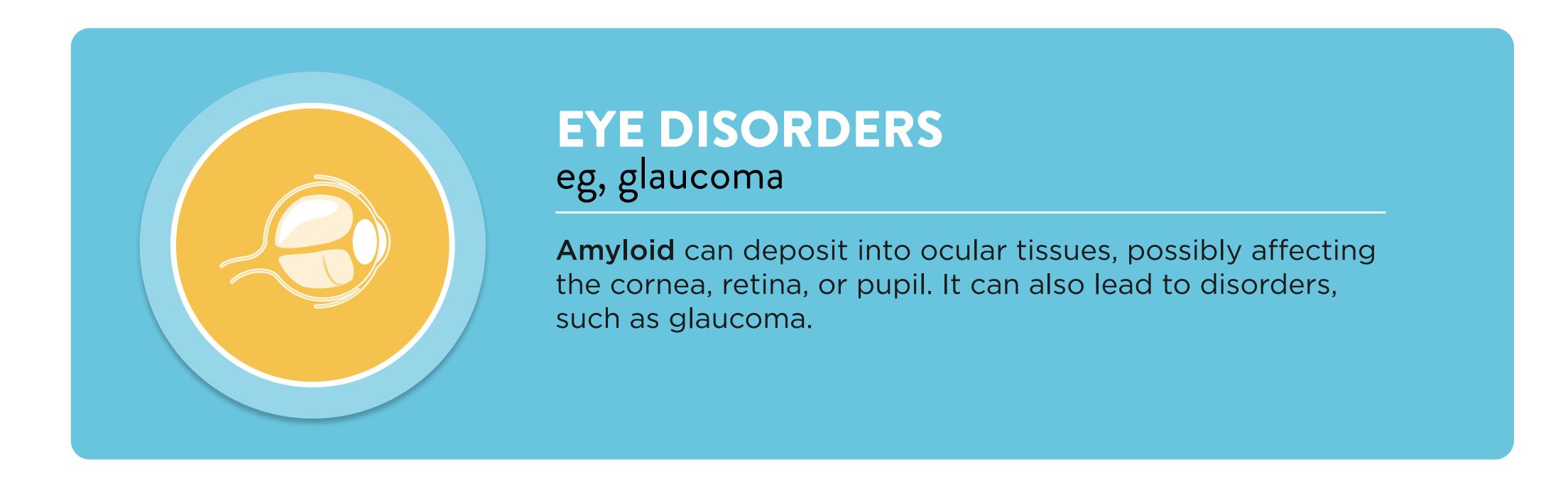






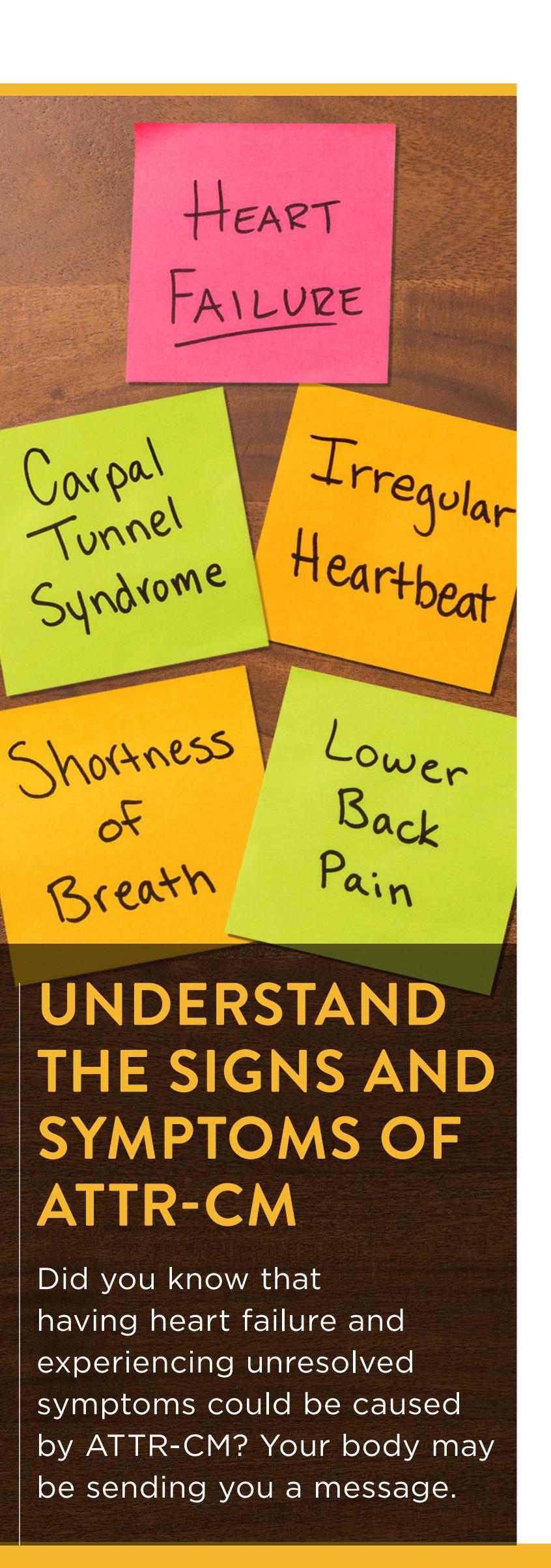


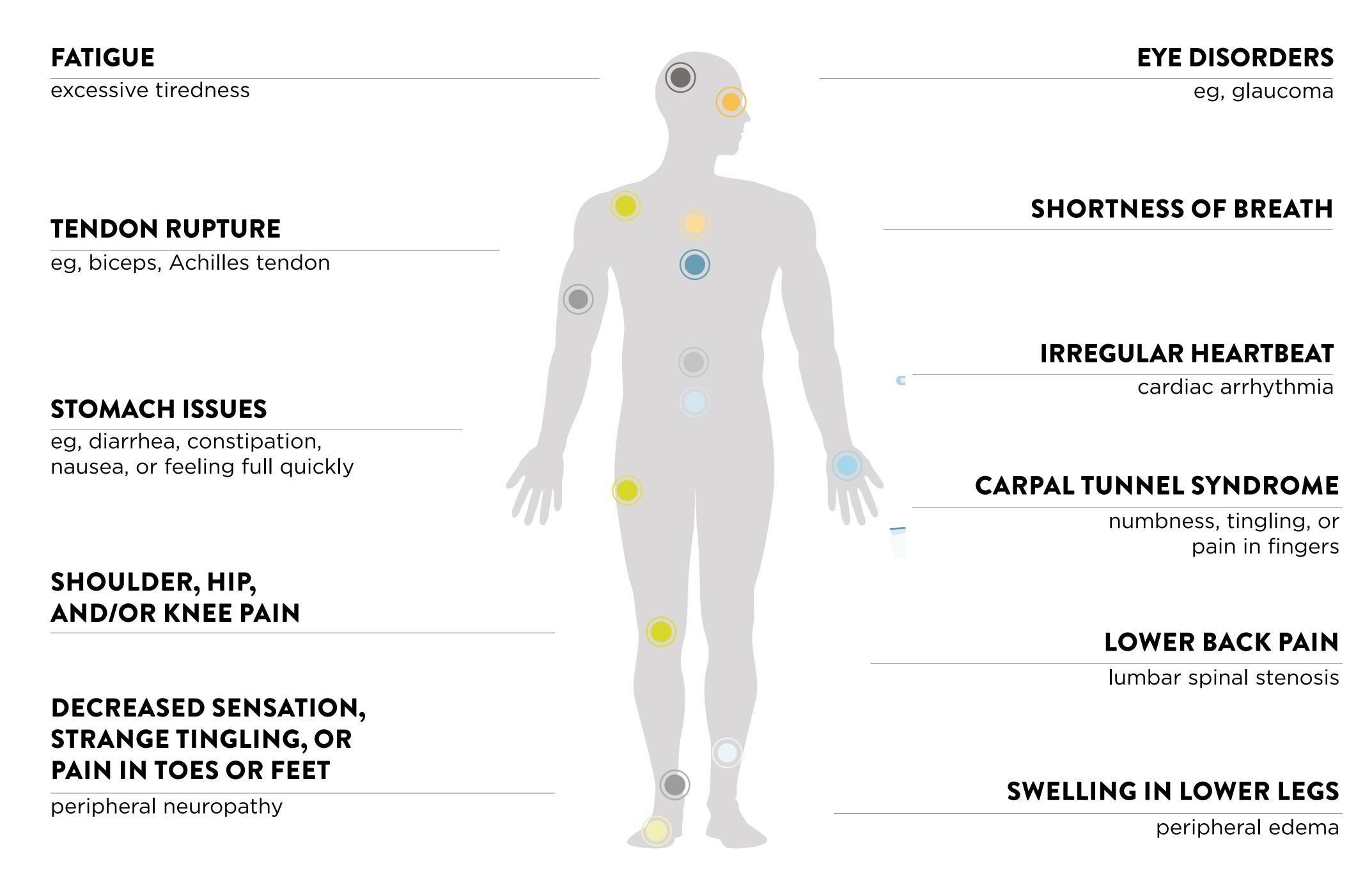


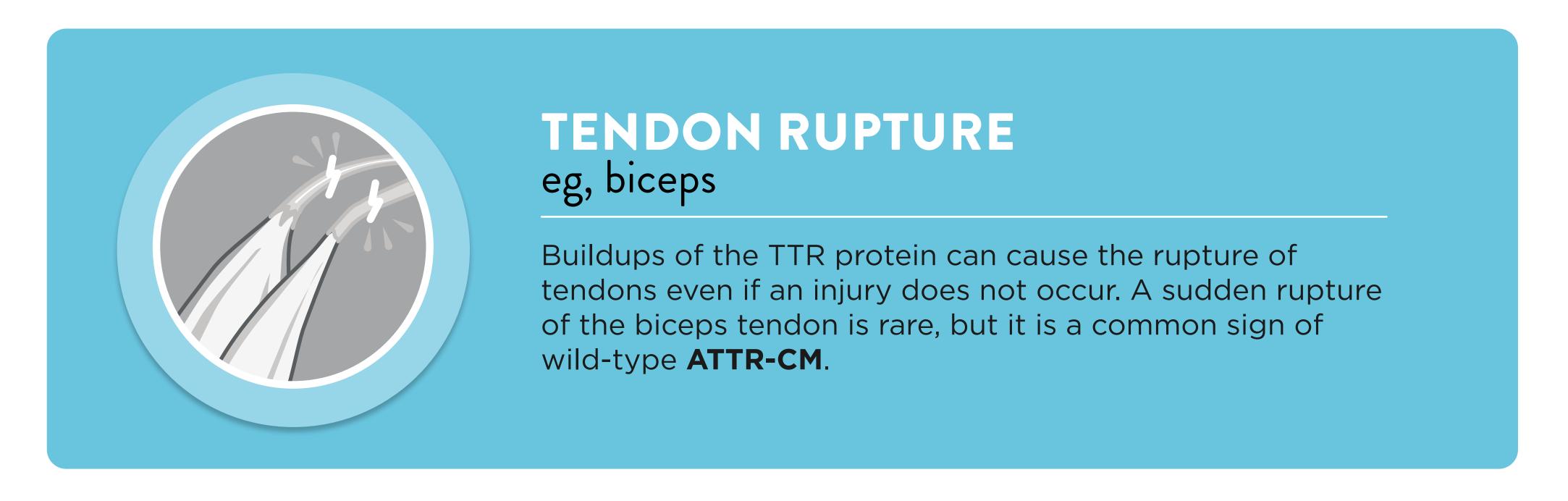


Types of ATTR-CM

Signs & Symptoms

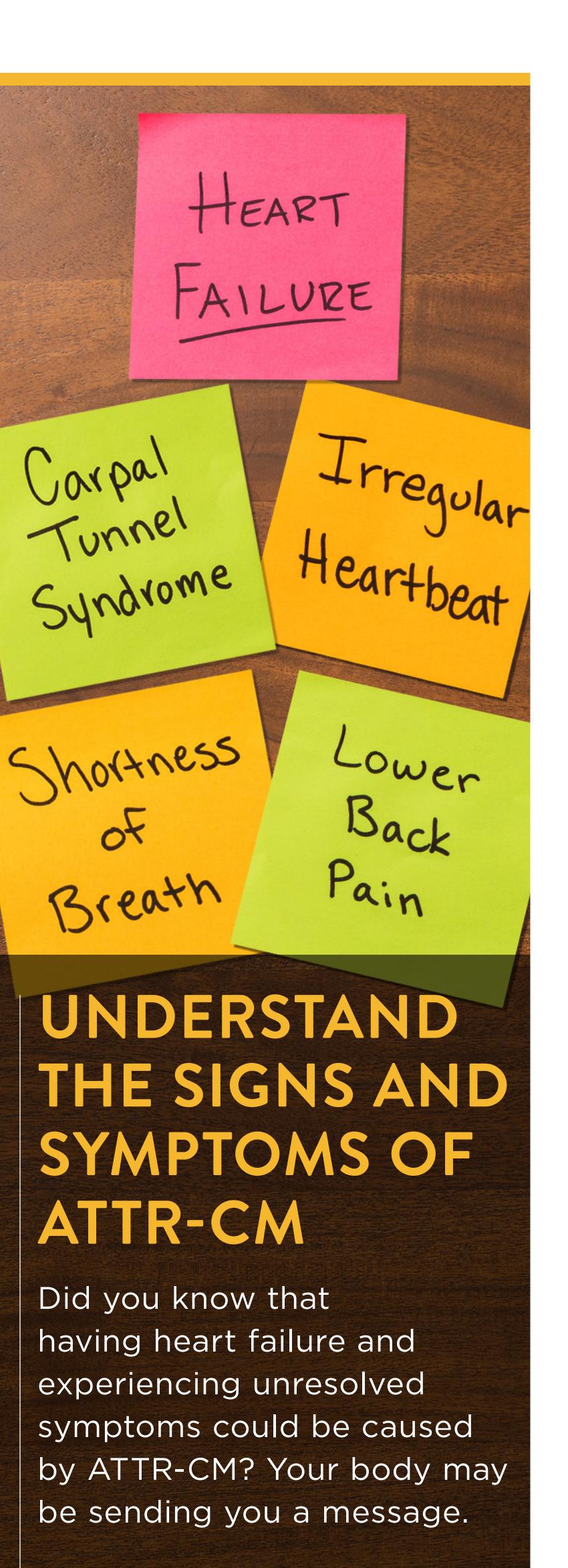


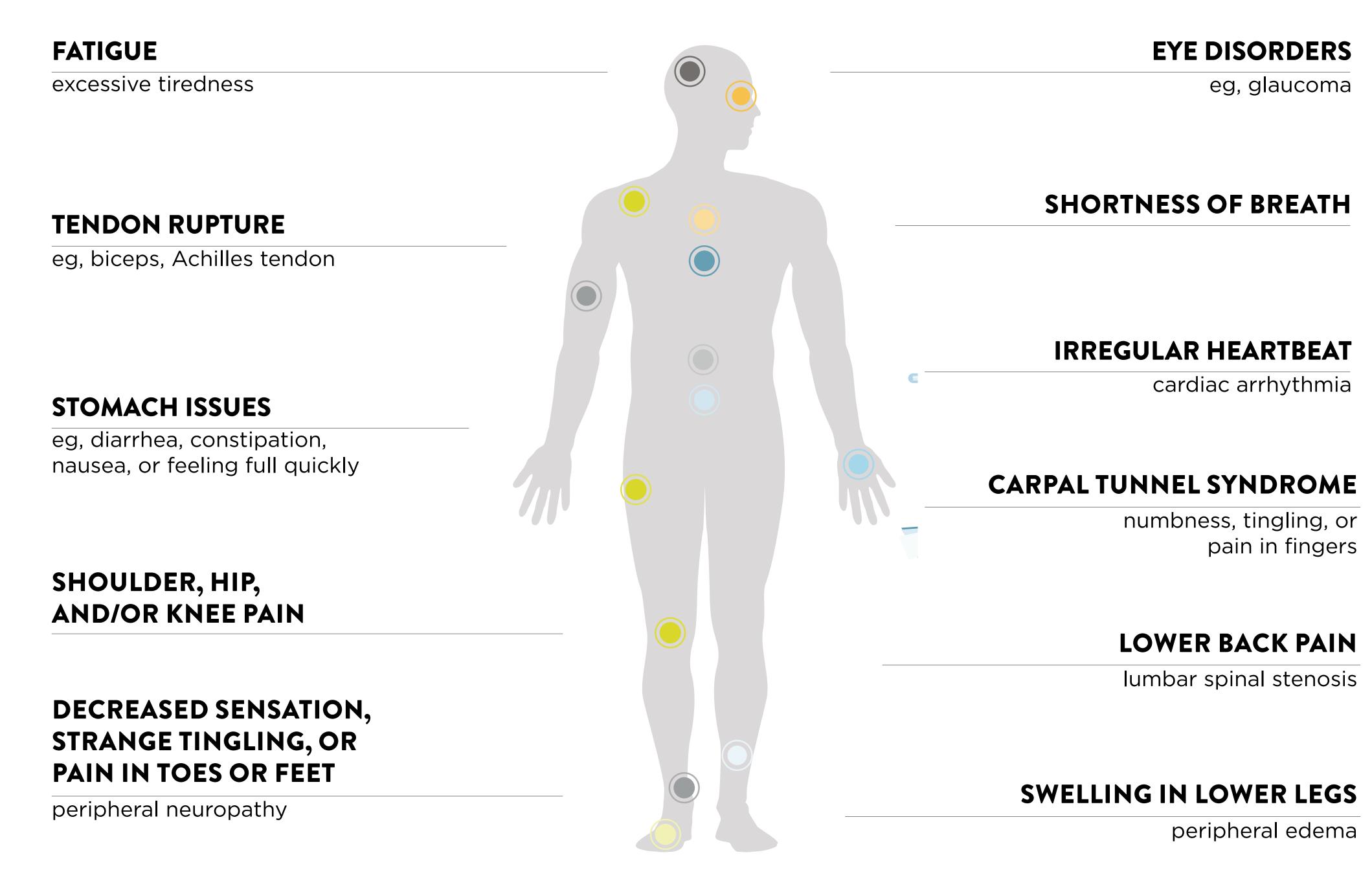


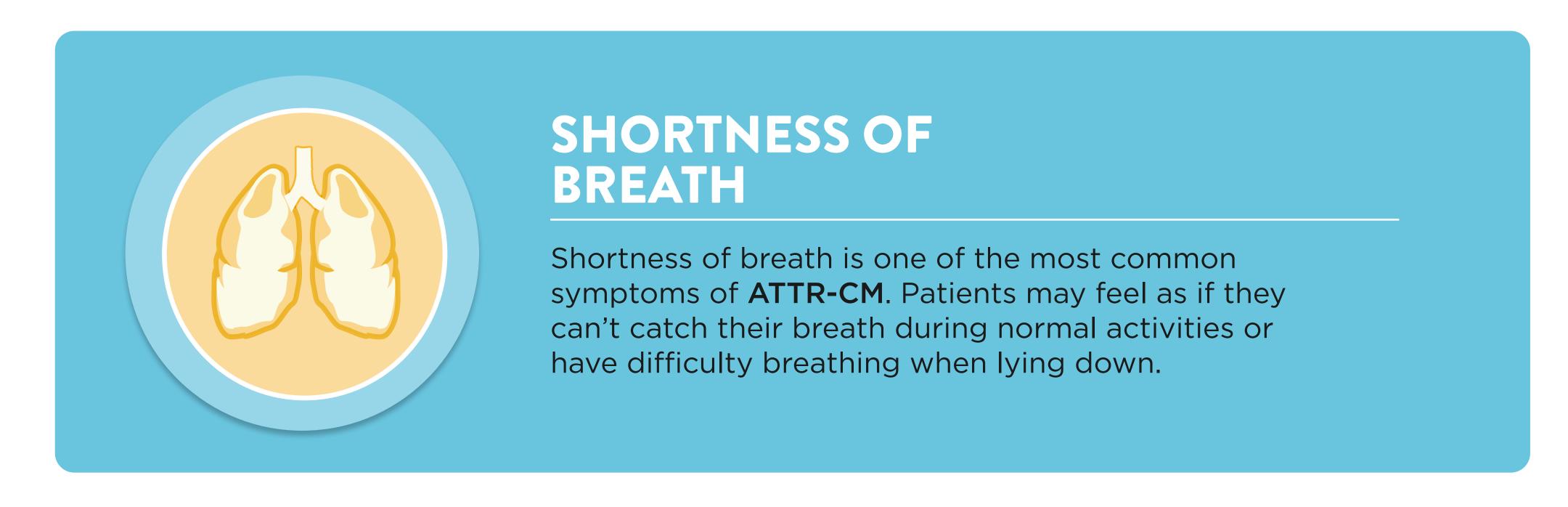


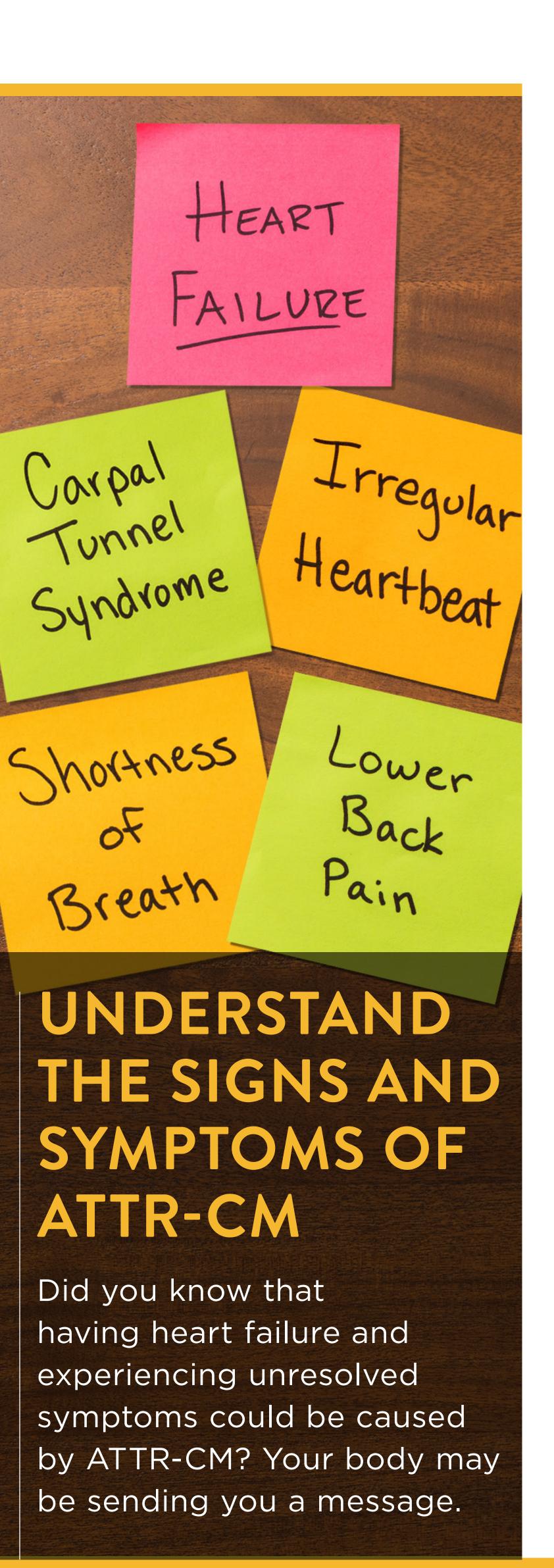
Types of ATTR-CM

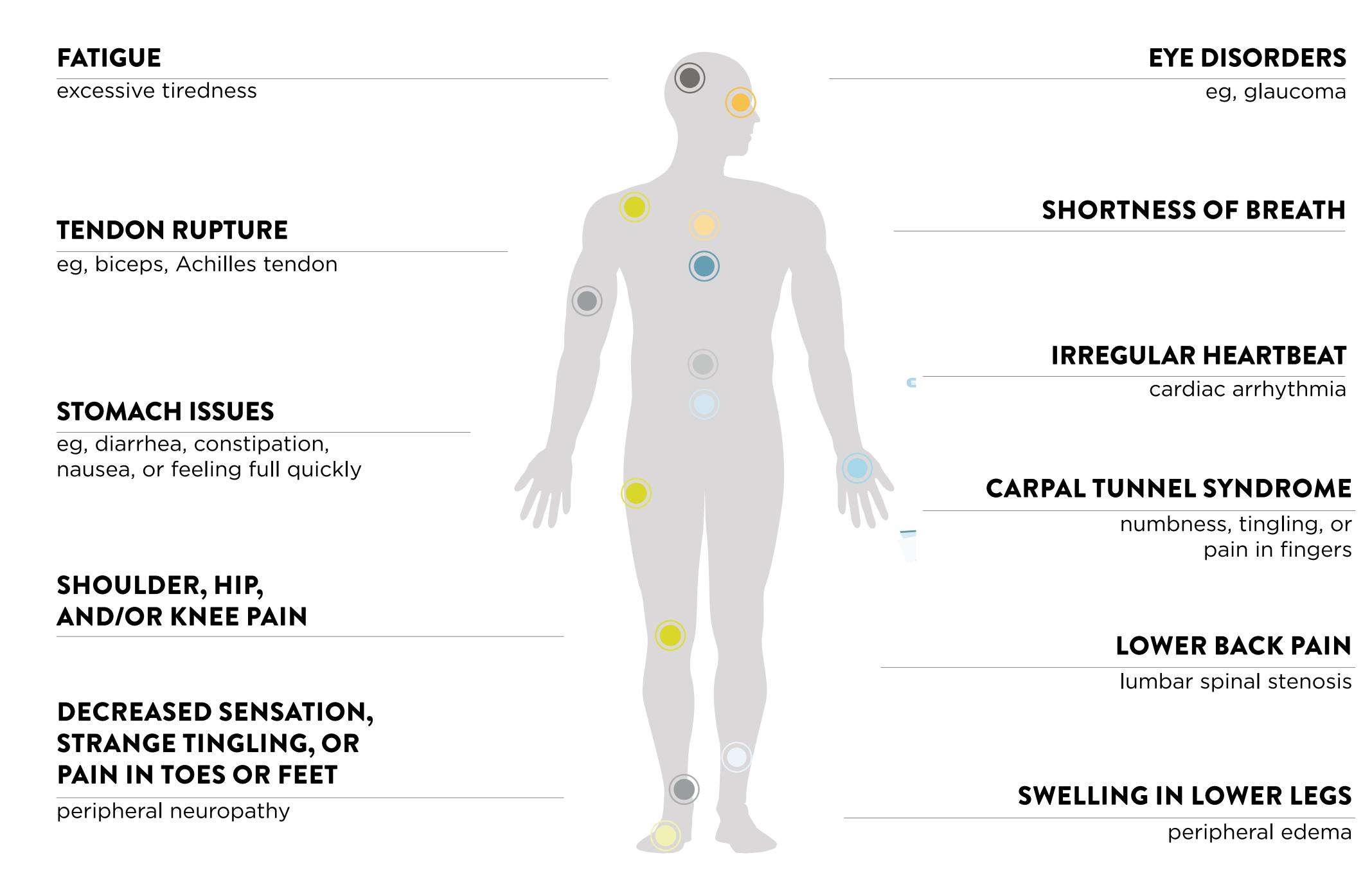
Signs & Symptoms

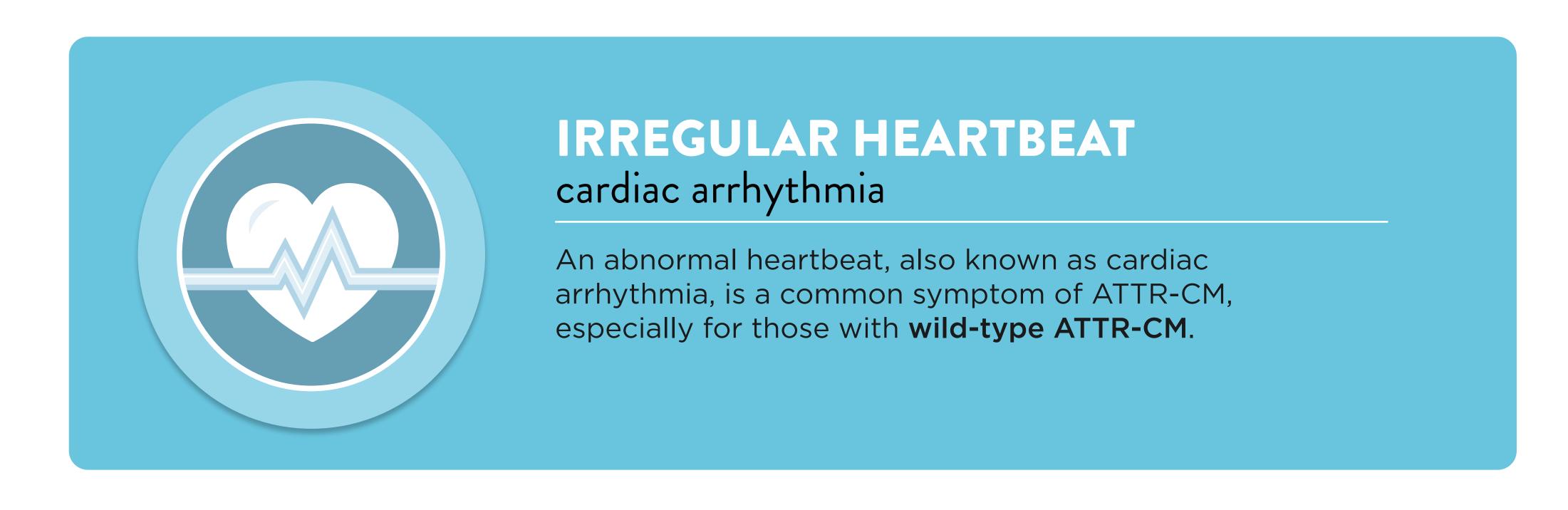


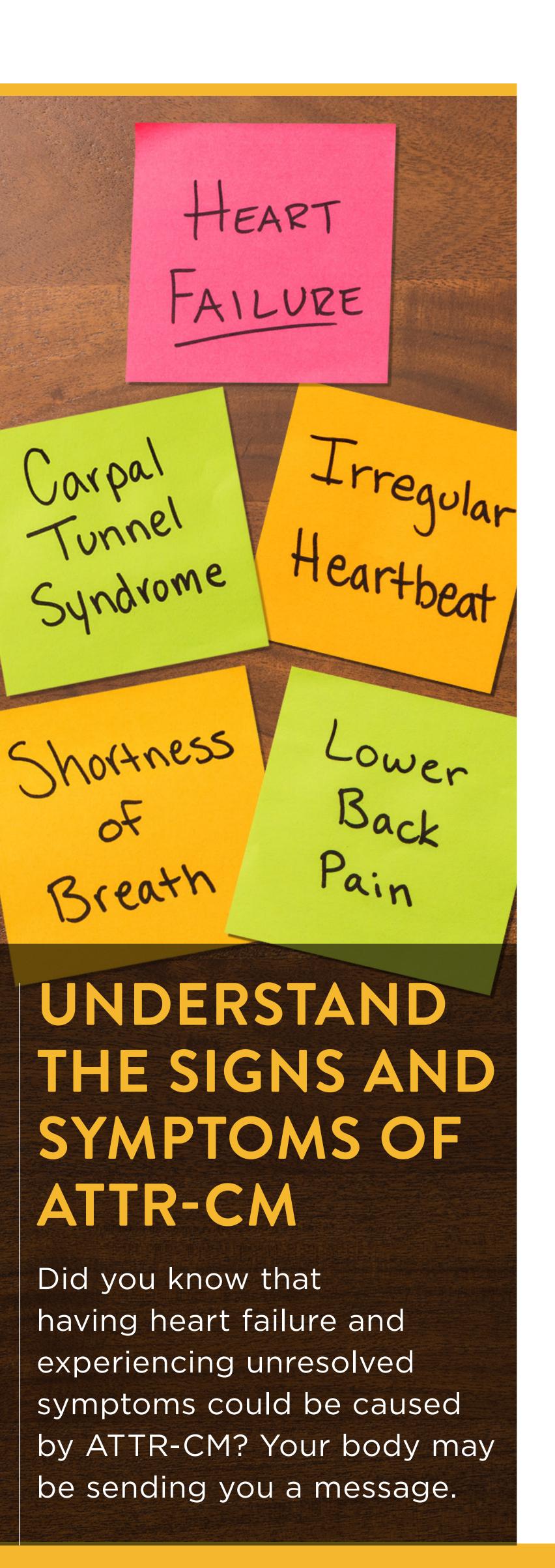


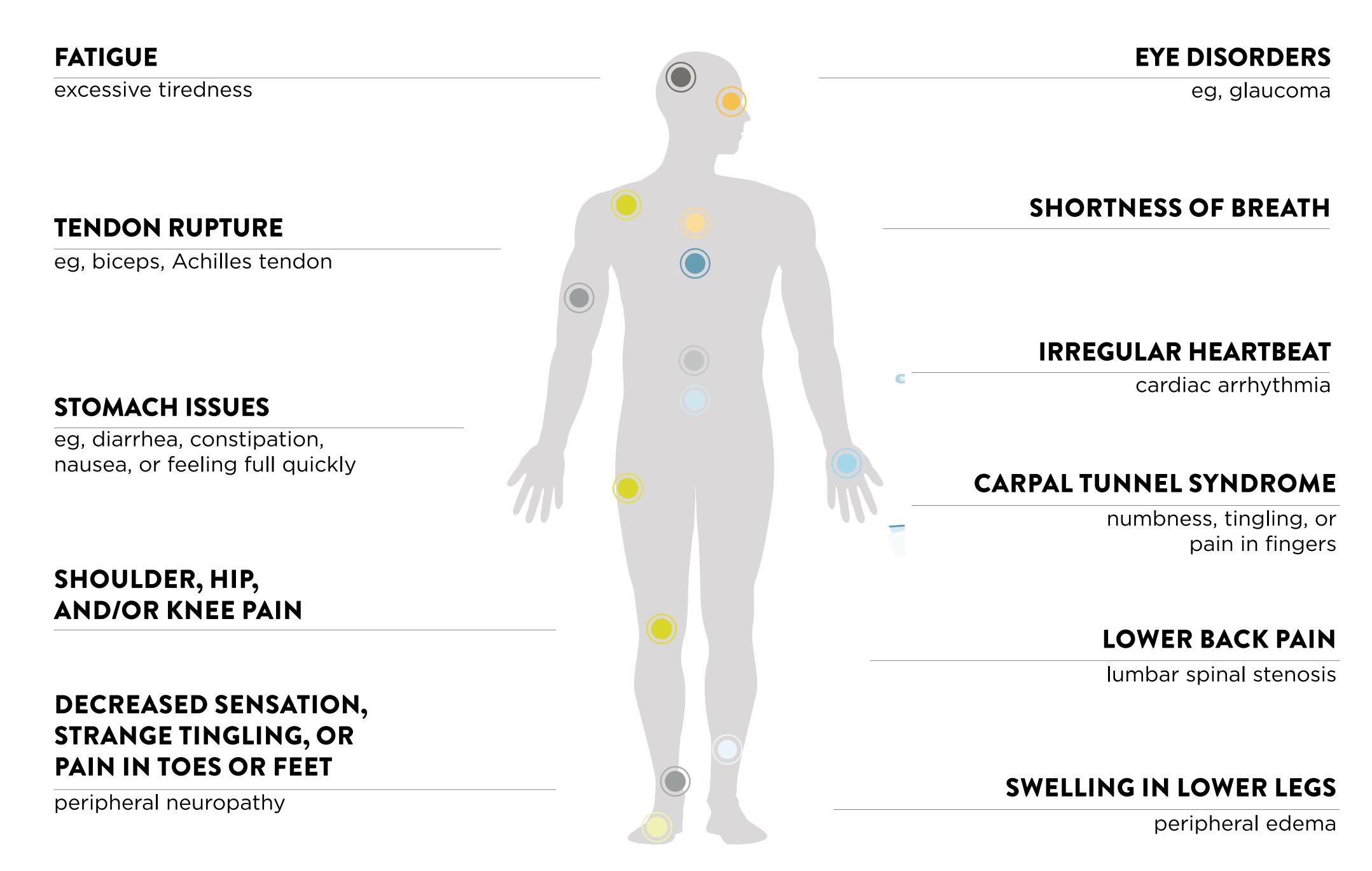


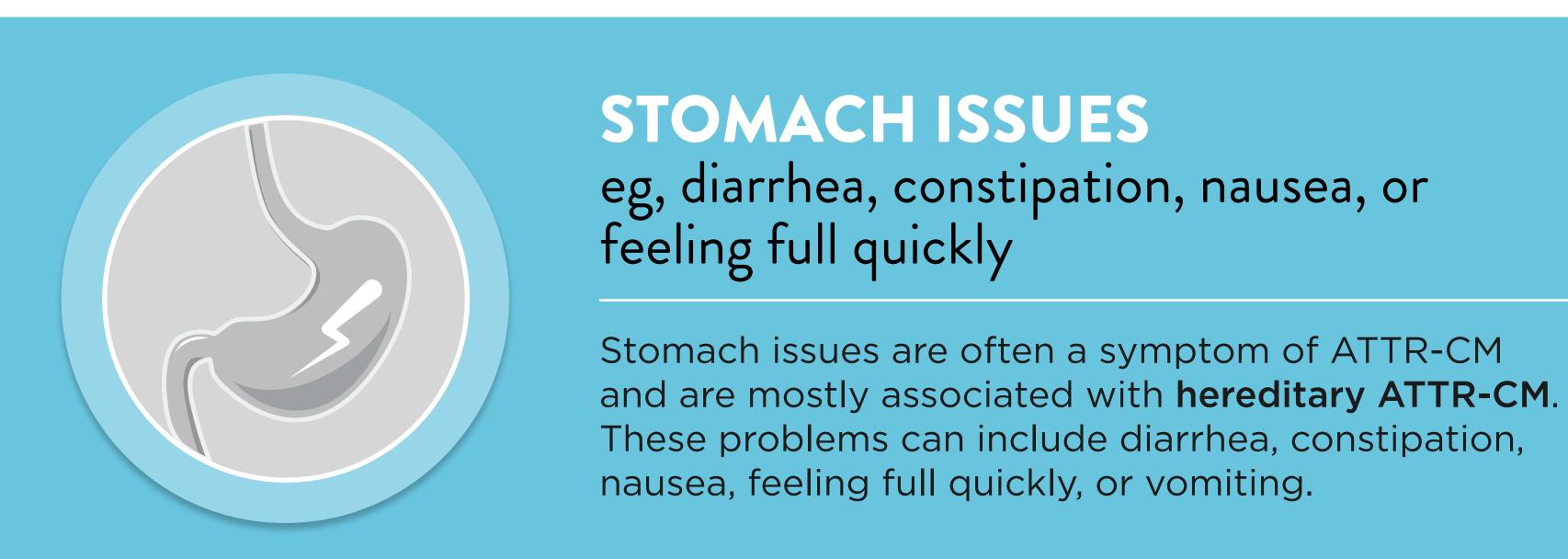




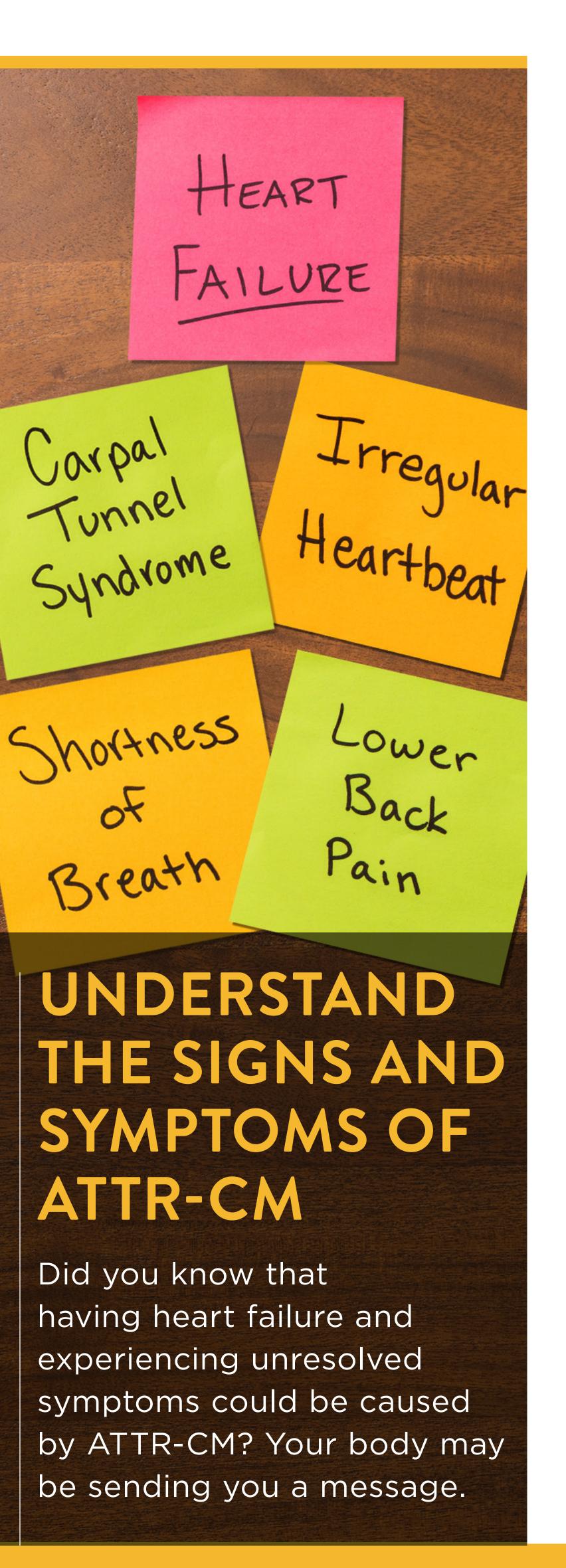


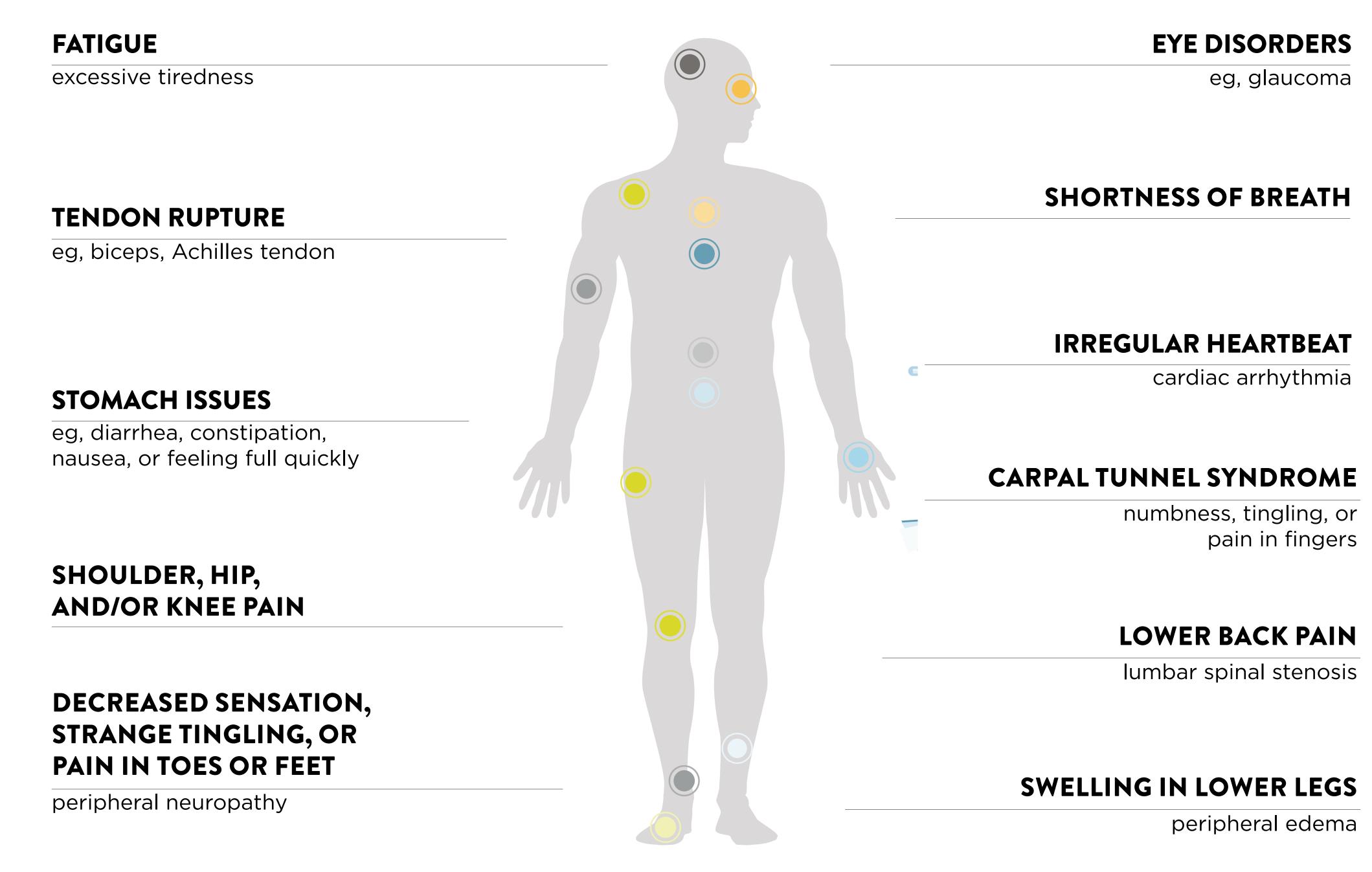


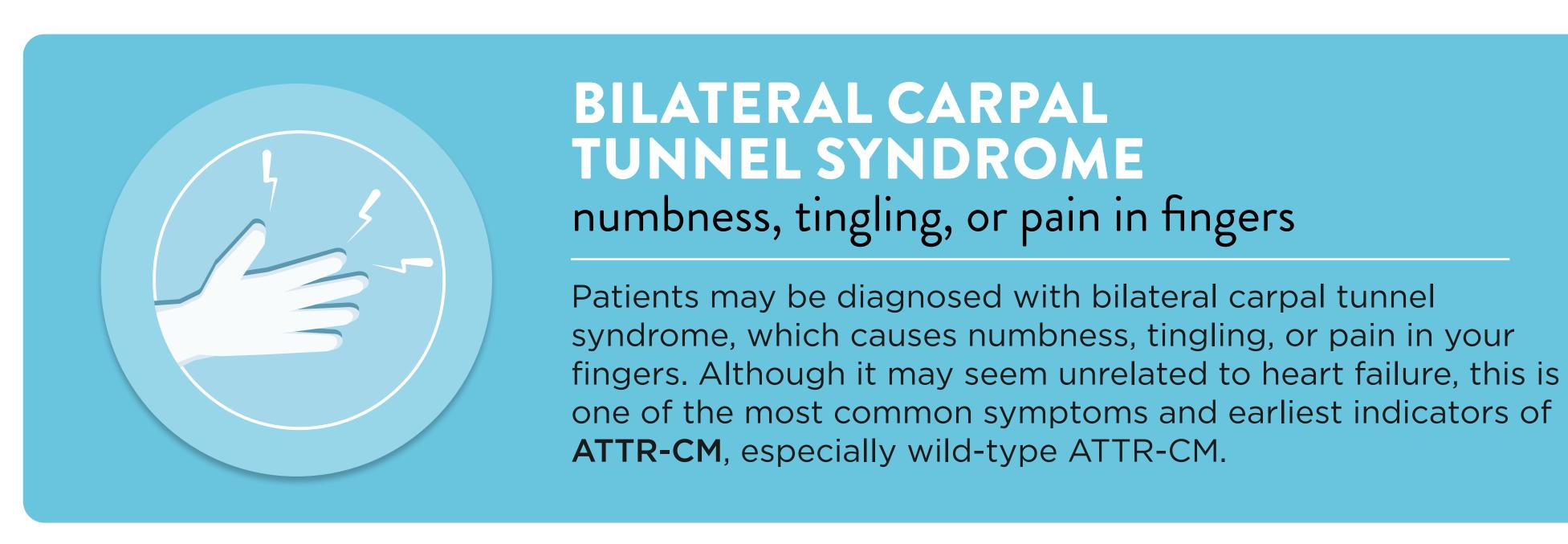


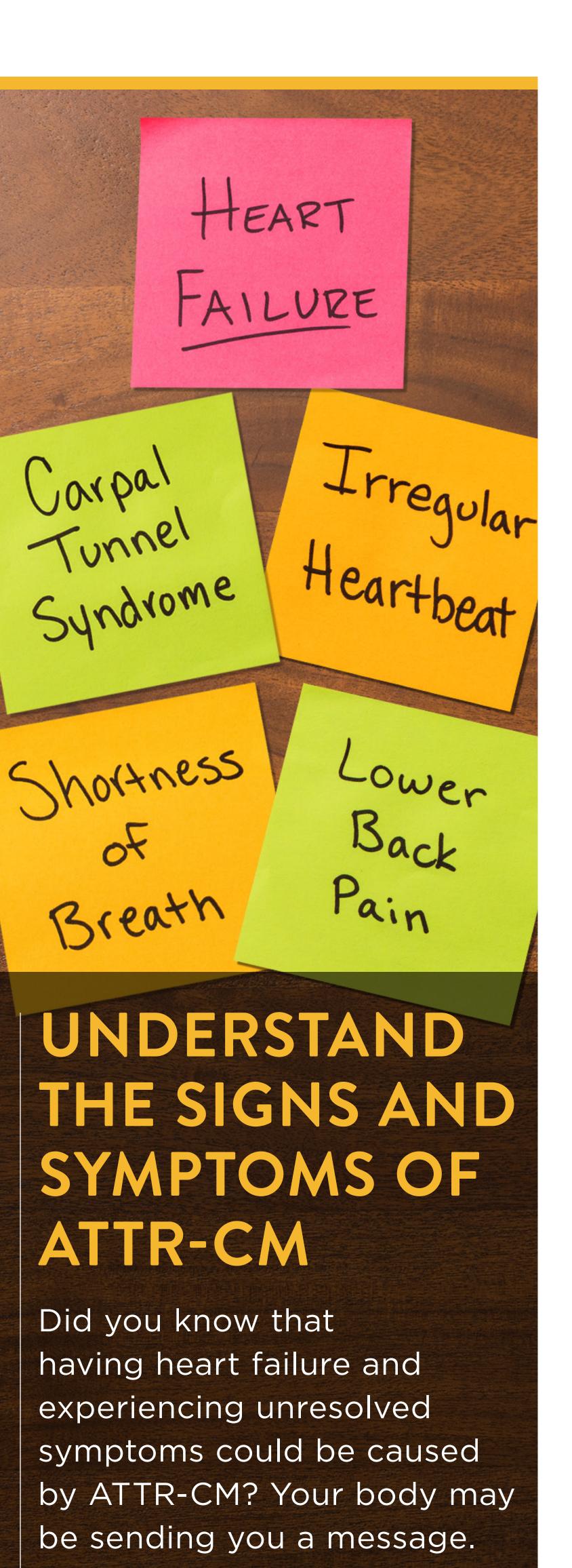


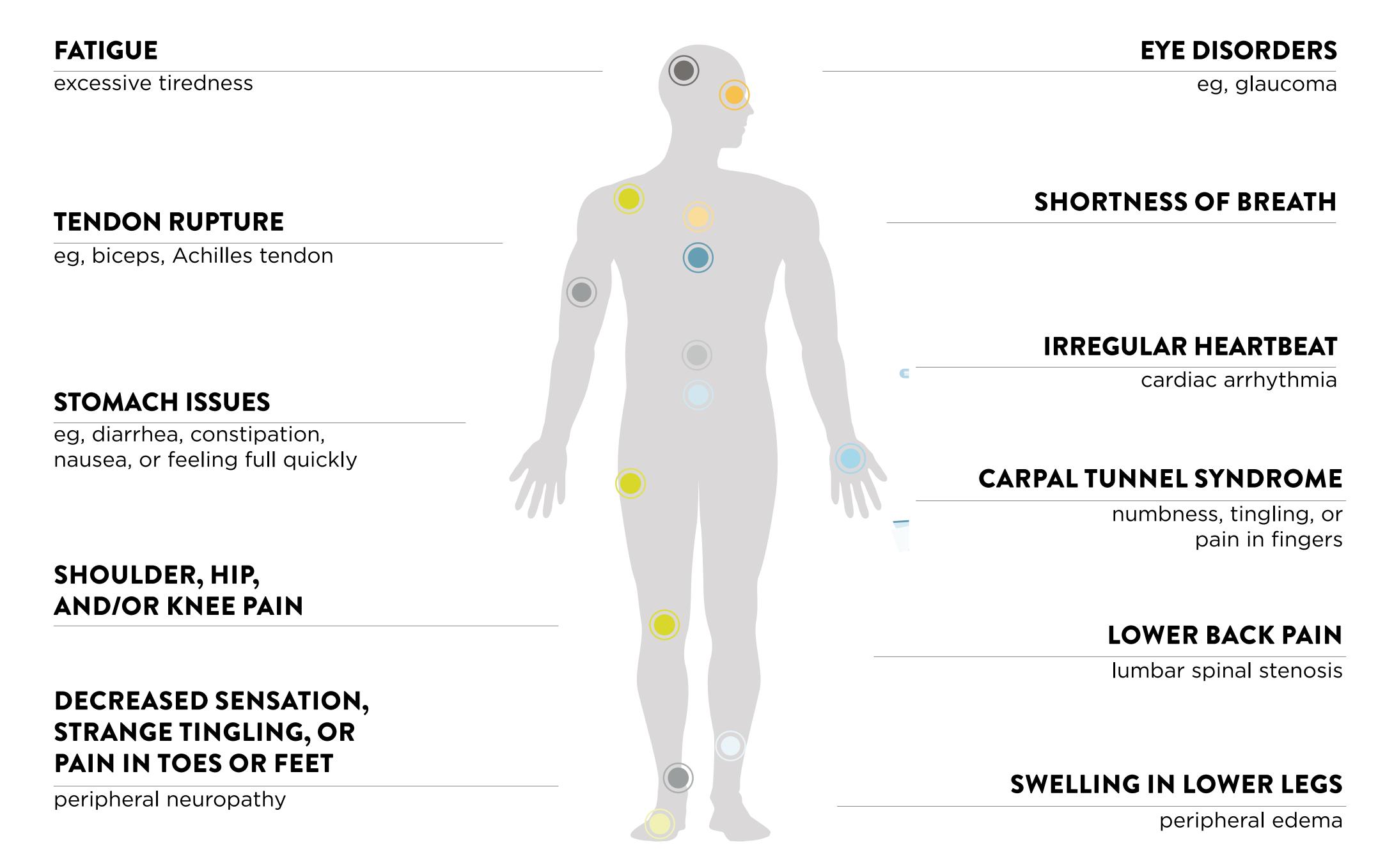
Types of ATTR-CM

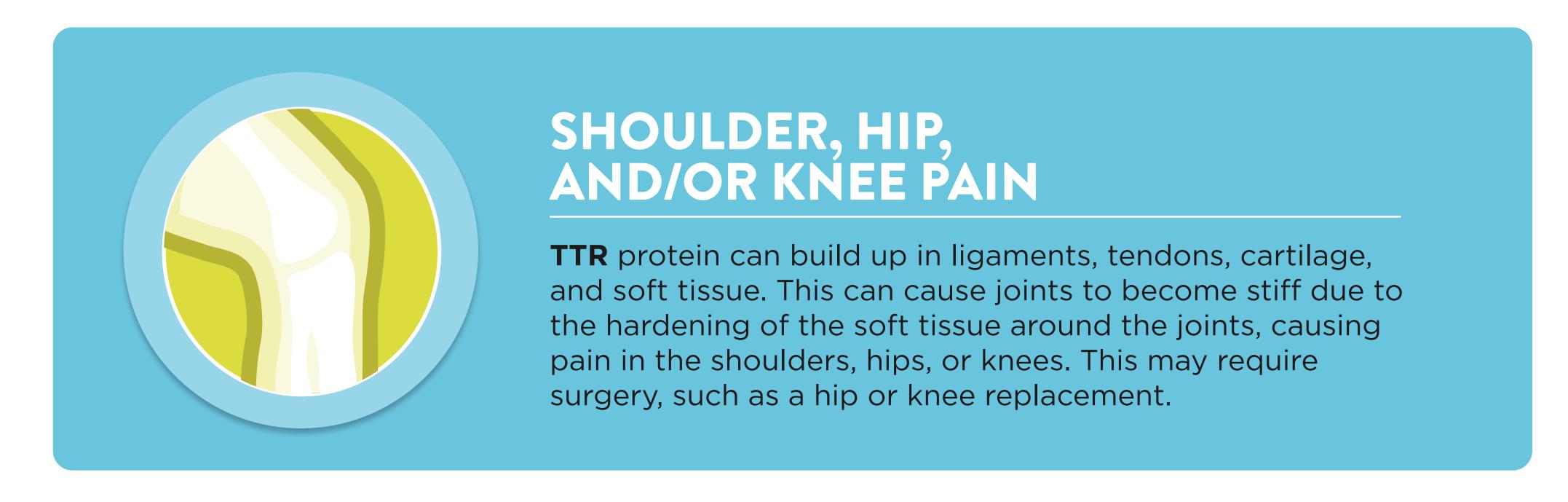


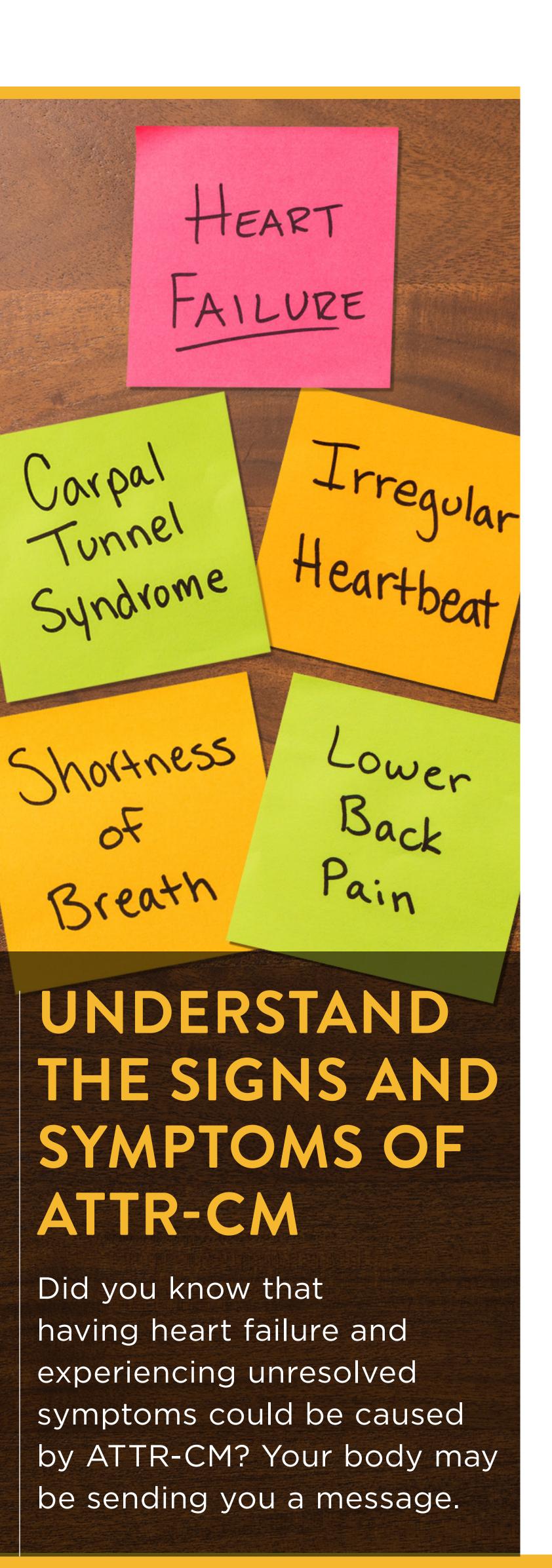


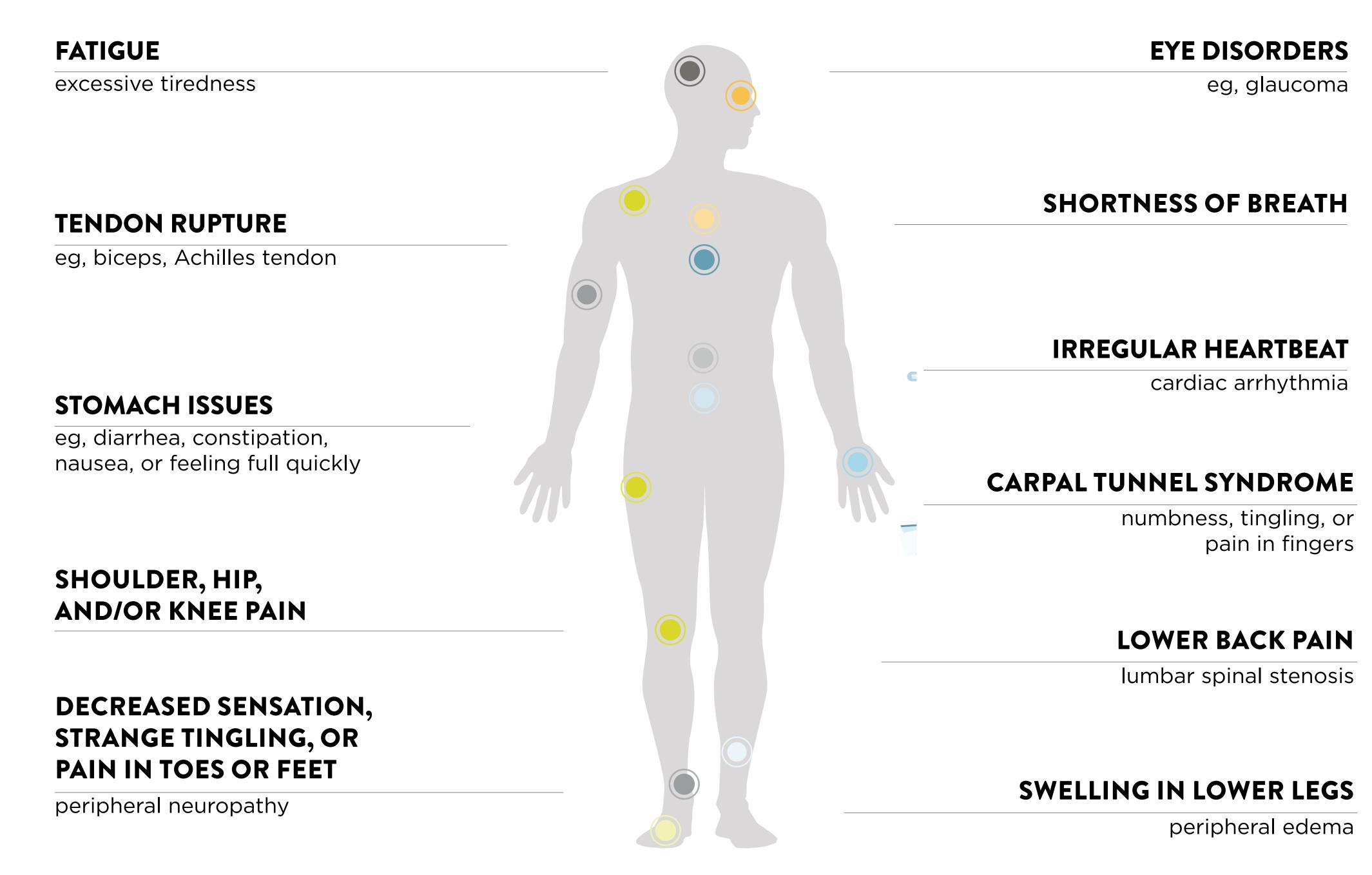


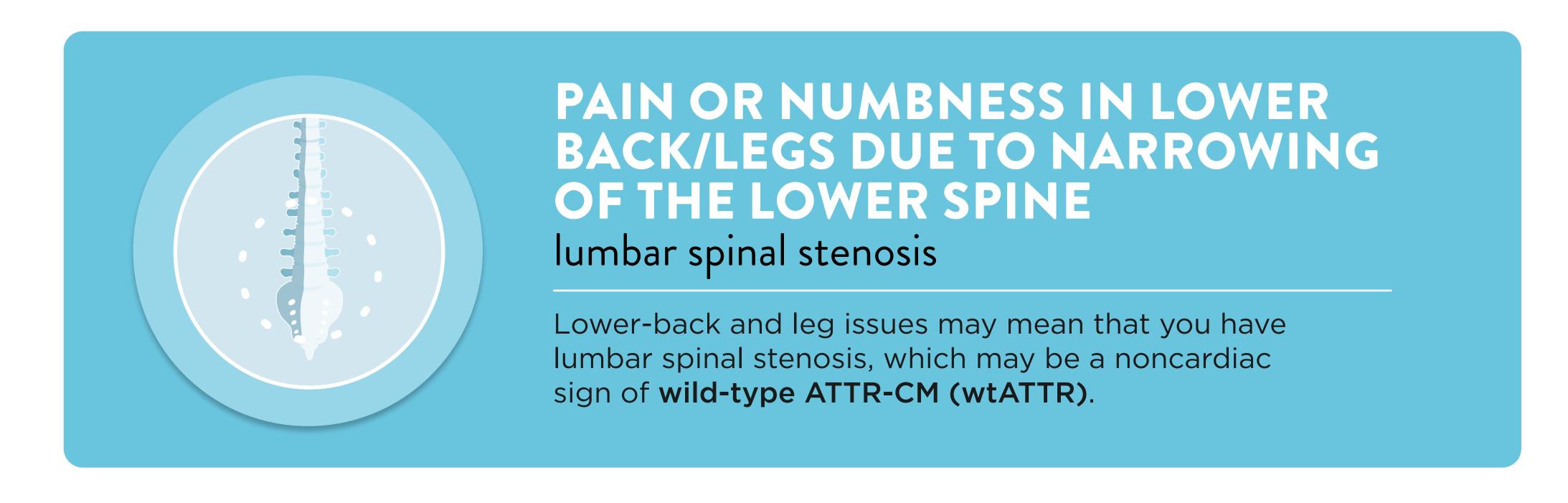


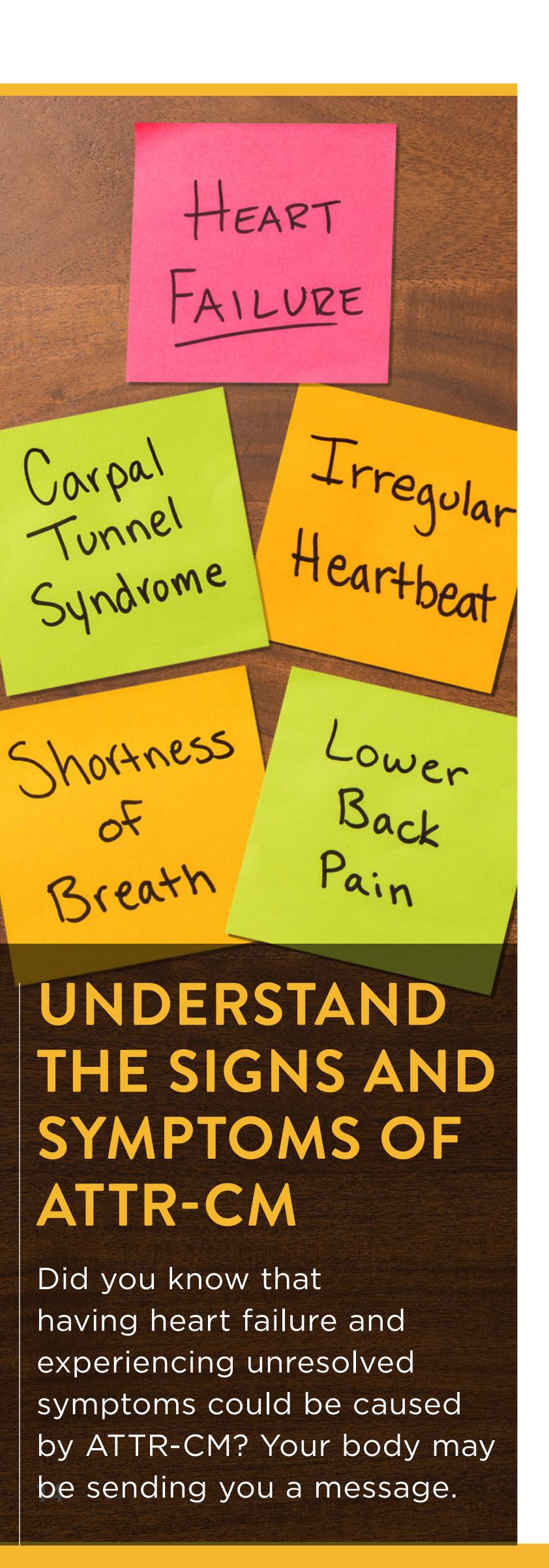


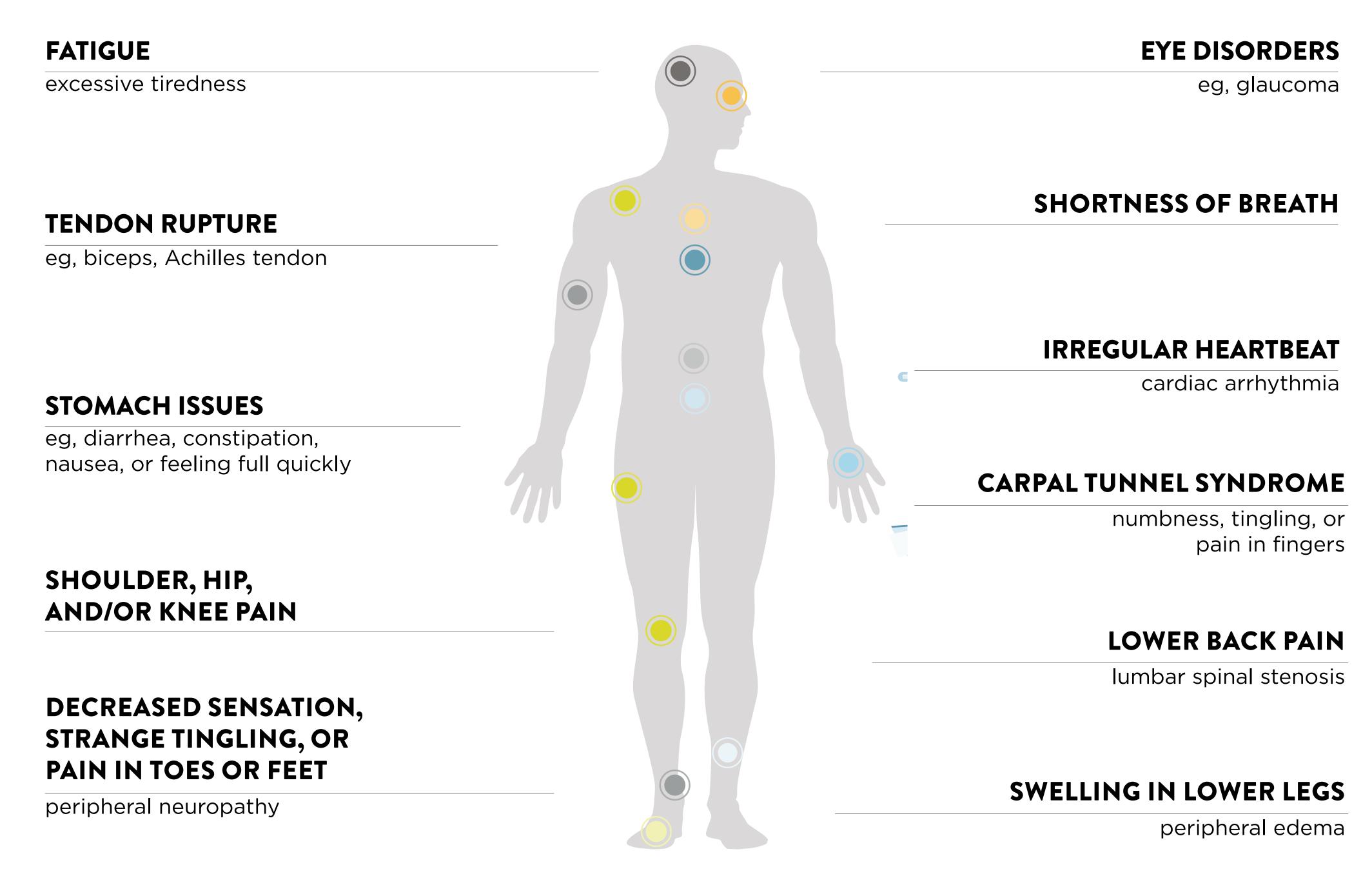


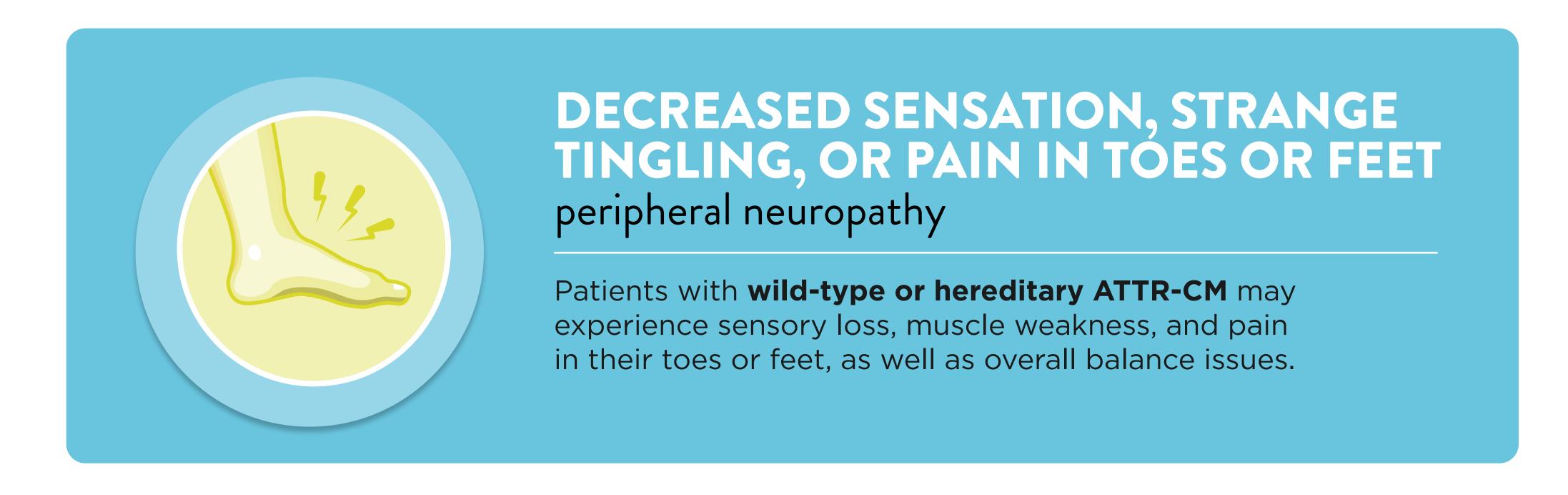






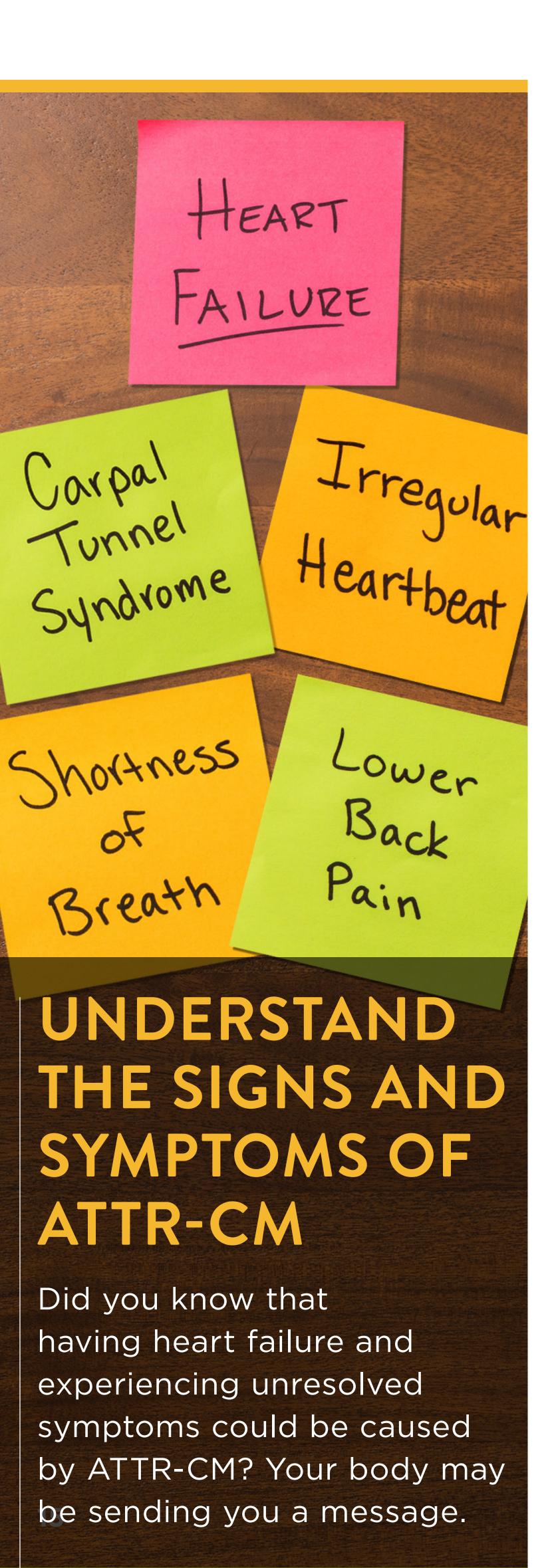


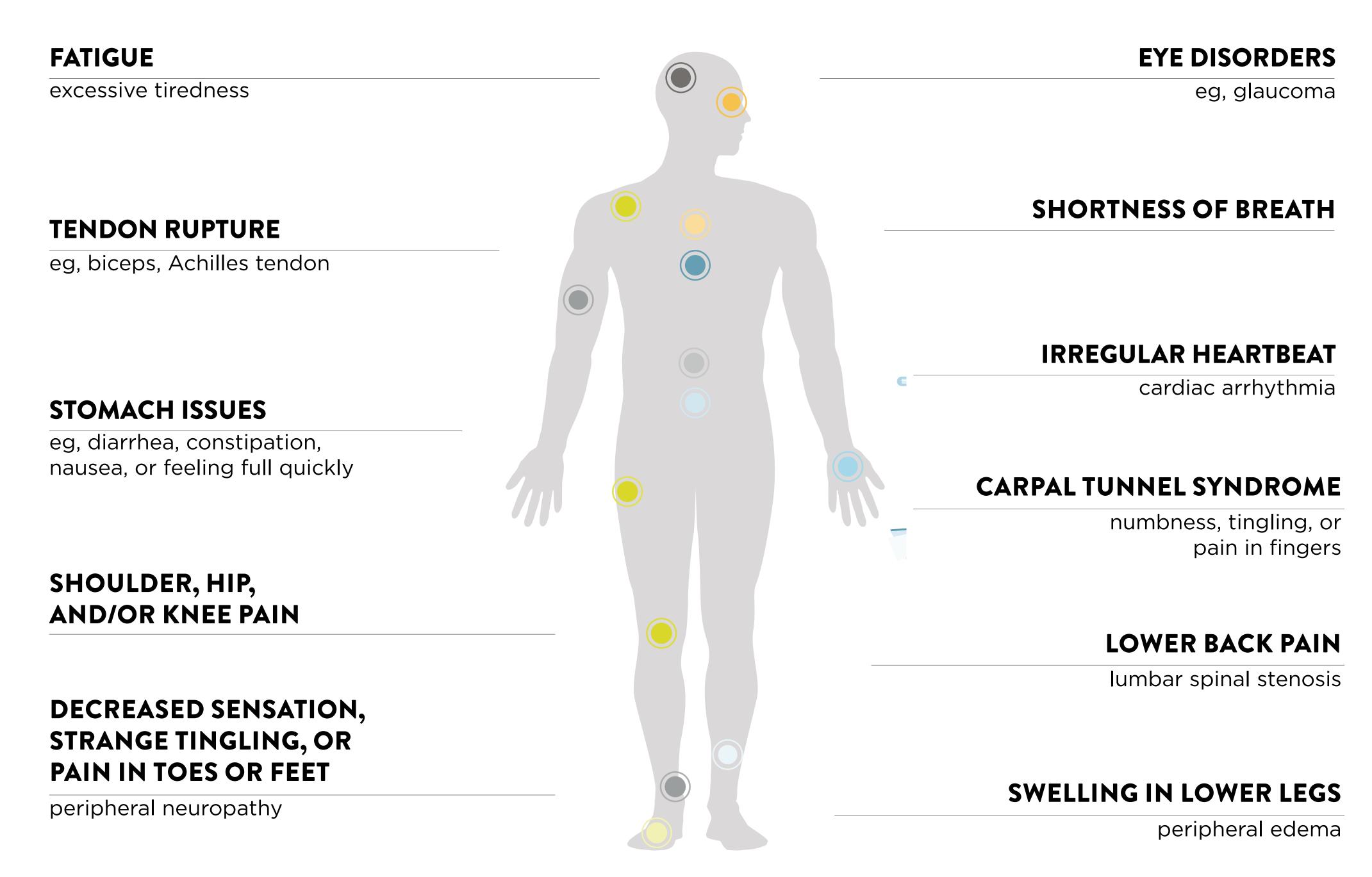


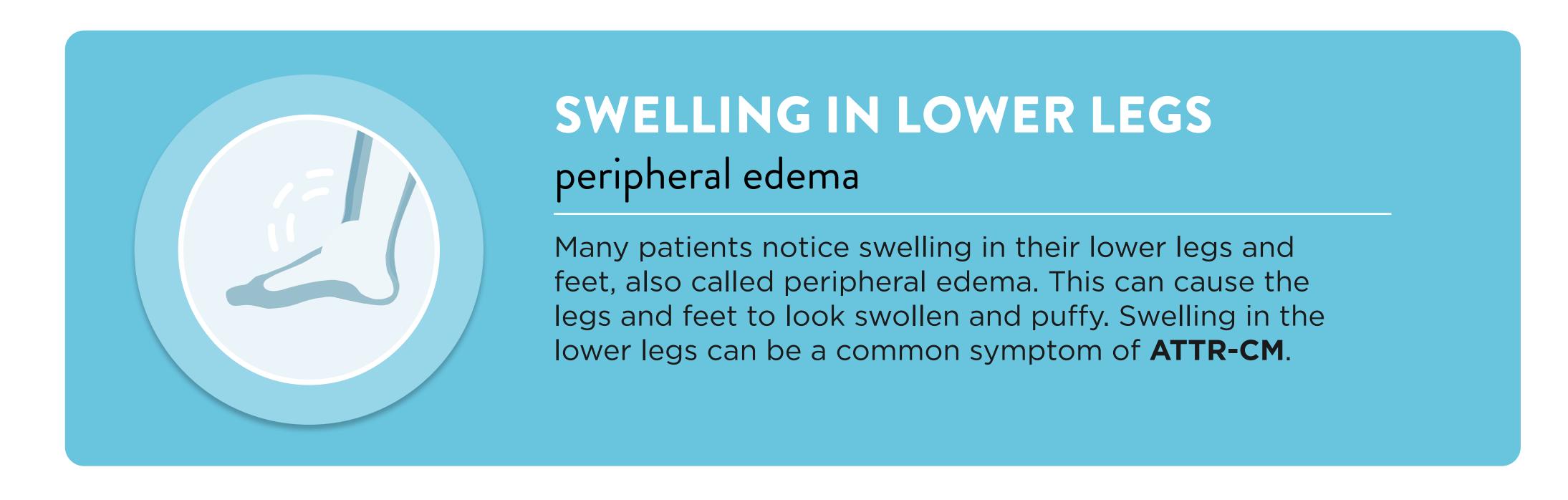


Types of ATTR-CM

Signs & Symptoms



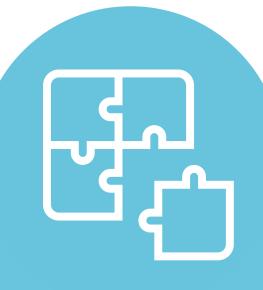






The road to an ATTR-CM diagnosis can be complex and frustrating

But the more information you have, the better you'll be able to advocate for yourself on that journey.



Underdiagnosis and delayed diagnosis happen because the symptoms of ATTR-CM mimic those of other more common causes of heart failure



Some ATTR-CM patients report visiting **up to 5 different doctors** before receiving the correct diagnosis*

*2017 survey conducted by the Amyloidosis Research Consortium and prior to an available treatment option.



Hear from patients about their journey to diagnosis

HEART TALKS: WATCH HERE >

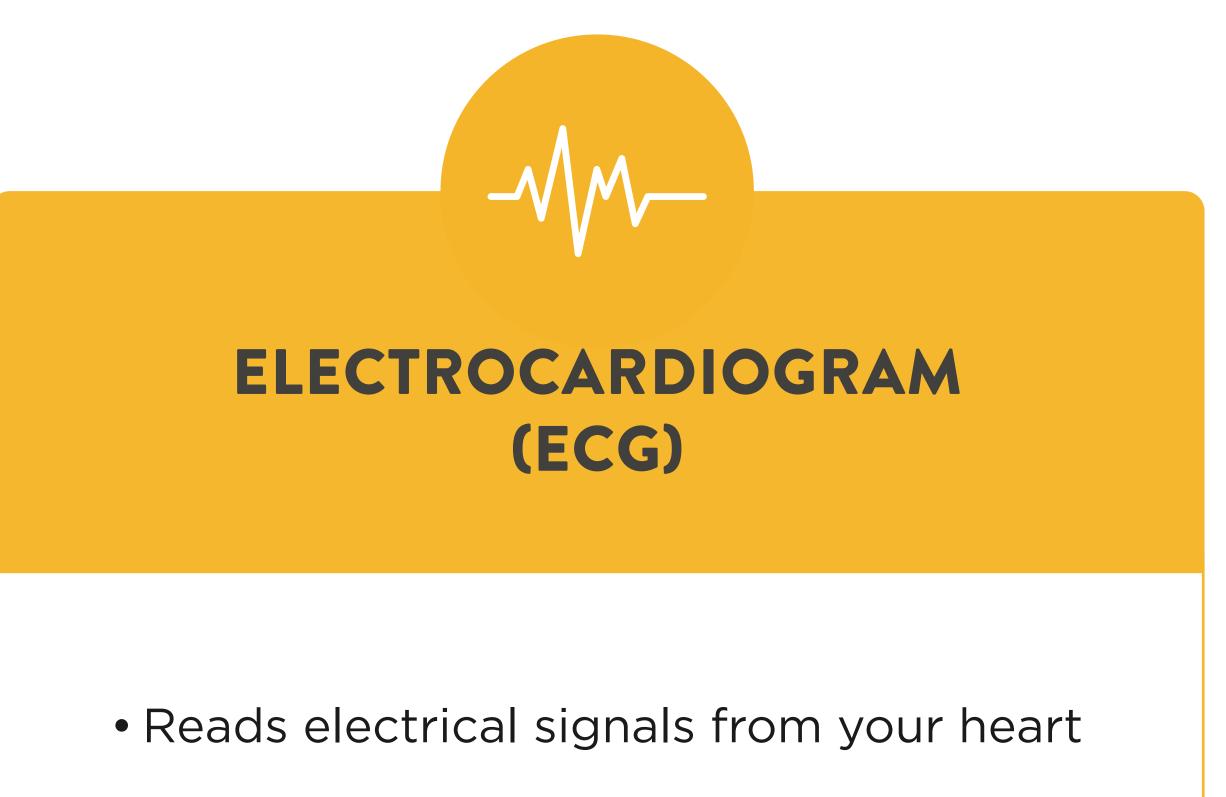




Initial tests

Signs & Symptoms

Your doctor may first order tests to assess how your heart is working and look for signs of ATTR-CM. While none of these tests are typically used to confirm an ATTR-CM diagnosis, they can help your doctor learn more about your heart and determine the need for additional diagnostic testing.



 Can reveal conditions like irregular heartbeat that could be related to ATTR-CM



Your doctor must also rule out another form of cardiac amyloidosis, known as light-chain amyloidosis (AL), using blood and urine tests. This is an important step, as AL amyloidosis and ATTR-CM are managed in different ways.



ATTR-CM?

further evaluation.

If your doctor suspects

clues, they may conduct

ATTR-CM based on clinical

certain diagnostic tests for

TALKING TO YOUR DOCTOR



certain diagnostic tests for

further evaluation.

Initial tests

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ECHOCARDIOGRAM (ECHO)

- Uses sound waves to create images of your heart
- Findings help determine the speed and direction of blood flow in the heart
- Findings associated with ATTR-CM include heart failure with preserved ejection fraction (HFpEF), which relates to the amount of blood that passes through the heart with each beat



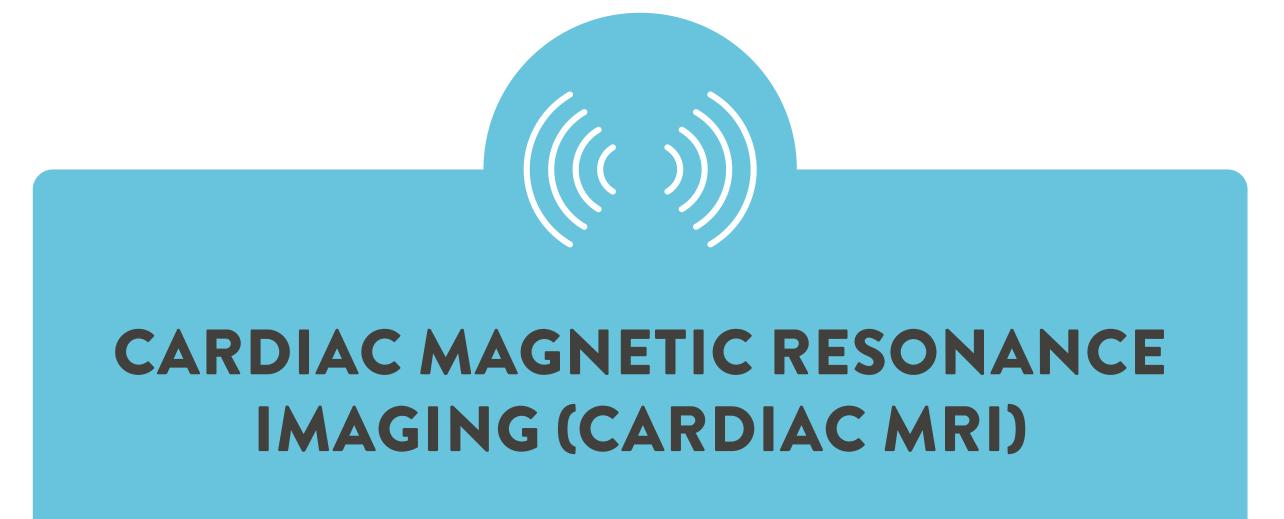
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 Uses radio waves, magnets, and a computer to create images of your heart to look for abnormalities



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DIAGNOSING ATTR-CM

Once AL amyloidosis is ruled out, your doctor may order additional tests to help diagnose ATTR-CM.

Diagnostic tests

There are several tests that can help confirm a diagnosis of ATTR-CM or help determine whether you or a loved one are at risk.



NUCLEAR SCINTIGRAPHY

a noninvasive imaging test

- A substance called a tracer is injected into your body
- After 1-3 hours, a special camera takes images of your body
- These images can help your doctor understand if transthyretin (TTR) amyloid fibrils are present in your heart
- Also referred to as a PYP (pyrophosphate) scan
 - PYP is not FDA approved for the diagnosis of ATTR-CM. Please consult individual labeling for risks



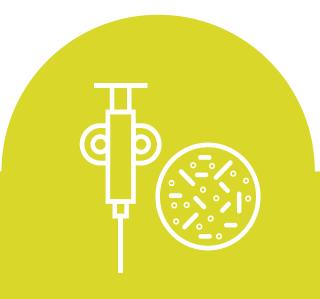


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CARDIAC BIOPSY

samples taken from your heart muscle tissue

- Your cardiologist conducts the biopsy while you are awake
- If amyloid fibrils are found in the removed tissue sample, it is sent out to a lab
- The lab can help determine if they are TTR amyloid strands or not
- Your doctor may also do biopsies from other parts of your body—but a cardiac biopsy is more accurate to detect ATTR-CM





DIAGNOSING ATTR-CM

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Diagnostic tests

There are several tests that can help confirm a diagnosis of ATTR-CM or help determine whether you or a loved one are at risk.



GENETIC TESTING

if diagnosed with ATTR-CM, genetic testing and counseling are recommended to determine whether you have the wild-type or hereditary form

- Will help confirm or rule out the hereditary form of ATTR-CM (hATTR)
- Determines whether family members are at risk, as the mutation that causes hATTR can be inherited
- Usually performed using blood or saliva samples





AMYLOIDOSIS SUPPORT GROUPS

- Provides education through support meetings, live in 30 cities
- Provides education through virtual webinars, as well as support groups on Facebook

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Don't miss out on important updates!

TELL ME MORE ABOUT ATTR-CM >





Signs & Symptoms



AMYLOIDOSIS RESEARCH CONSORTIUM

- Provides comprehensive support and information for patients
- Accelerates development of and access to new and innovative treatments
- Drives research that will have the greatest impact on patients

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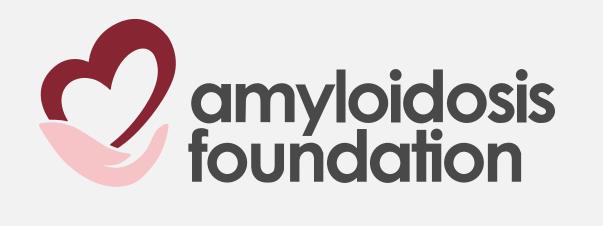


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TELL ME MORE ABOUT ATTR-CM >







AMYLOIDOSIS FOUNDATION

- Supports research for an earlier diagnosis
- Educates medical professionals
- Provides patients with a comprehensive range of services

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TELL ME MORE ABOUT ATTR-CM >





Being your loved one's advocate

As a caregiver, you can play a vital role in every stage of your loved one's journey with ATTR-CM, from helping identify early symptoms to assisting your loved one after a diagnosis is confirmed.



It's hard watching Faye go through the struggles that she has. It's not gonna change... how I love her."

-BRAD, Caregiver

How you can help

- Attend doctor's appointments and take notes
- Check in with your loved one about how they're feeling
- Talk to their doctor about any symptoms you've noticed
- Keep track of medical records and appointments
- Manage dietary needs and physical activity