

# SJÖGREN'S DISEASE:

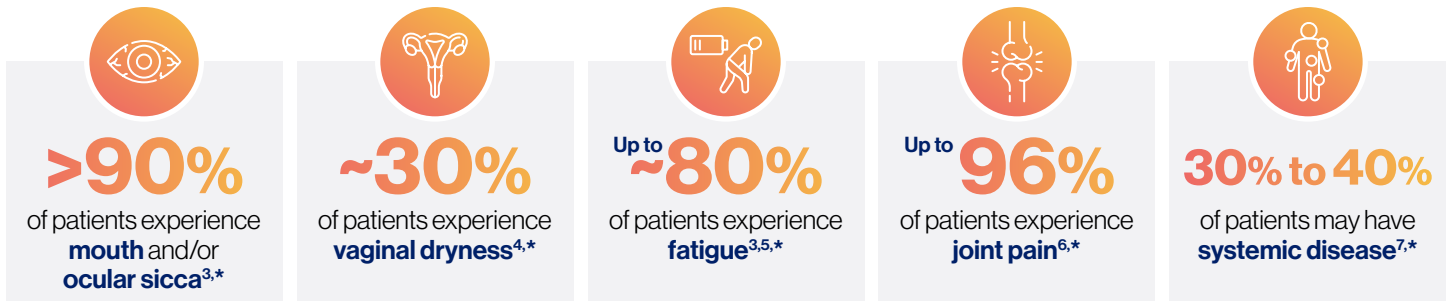
## Beyond sicca symptoms

With insights from **Sara McCoy, MD, PhD**



**Sjögren's disease (SjD) is a serious, systemic, heterogeneous autoimmune disease<sup>1</sup>**

**No 2 patients with SjD present the same**, and their glandular and extraglandular disease can be variable<sup>1,2</sup>

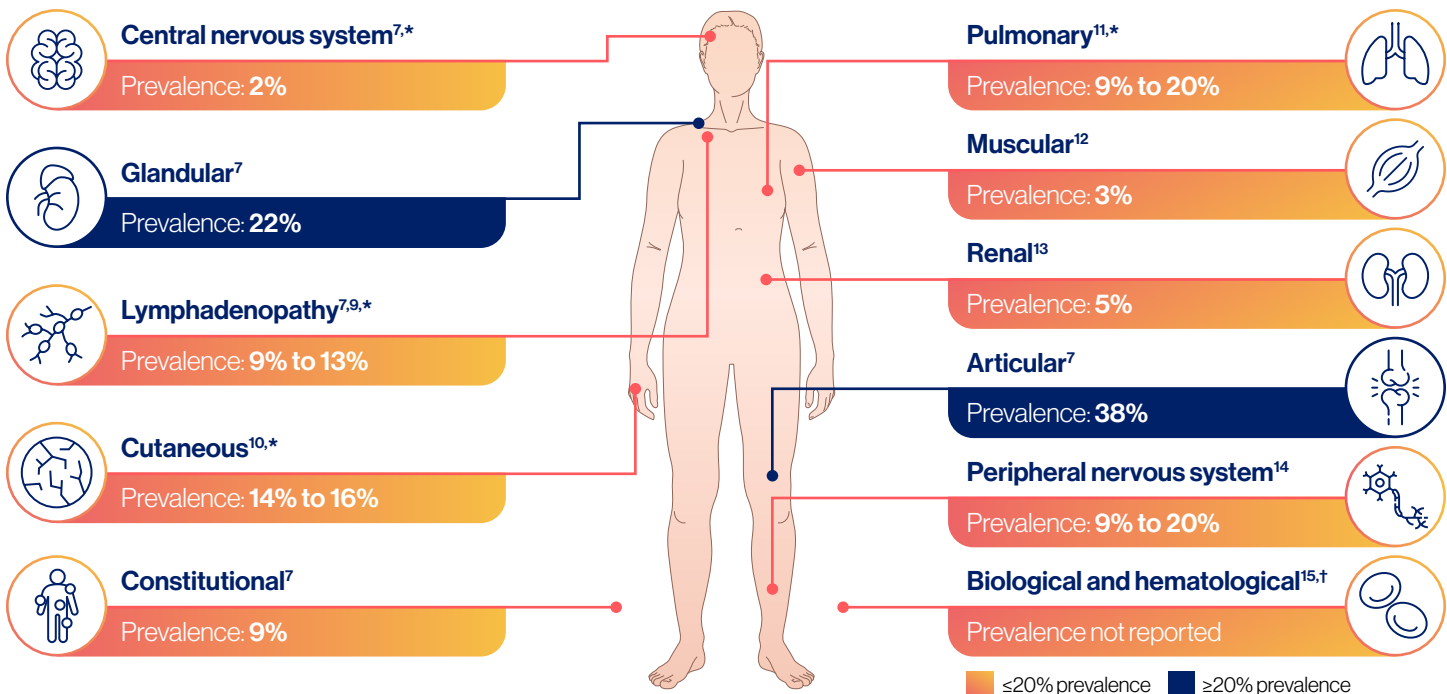


\*Prevalence can be variable and range depending on a multitude of factors (ie, definition of the manifestation, study inclusion, specificity of symptom).

**There is growing appreciation of the **systemic and serious** nature of this disease by the medical community<sup>8</sup>**



Sara McCoy, MD, PhD



**An assessment of patients with SjD should include monitoring for **systemic disease**, and may include areas that are routinely assessed such as the joints, glands lymph nodes, and skin<sup>16</sup>**

Sara McCoy, MD, PhD

**Systemic disease may precede sicca symptoms in patients with SjD<sup>13,17-19</sup>**

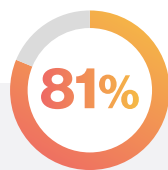
Articular manifestations precede sicca in **17%** of cases<sup>20,\*</sup>

\*Prevalence can be variable and range depending on a multitude of factors (ie, definition of the manifestation, study inclusion, specificity of symptom); †Prevalence not reported – domains based on measurement of various proteins and immune components.

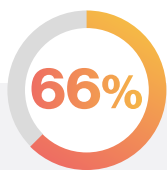
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## Significant burden

SjD can significantly impact patient QoL and carries a risk for serious and life-threatening complications<sup>3,21</sup>



report significant emotional burden<sup>22,\*</sup>



struggle to cope with their disease<sup>22,\*</sup>



of patients with SjD experience anxiety and depression<sup>22,\*</sup>

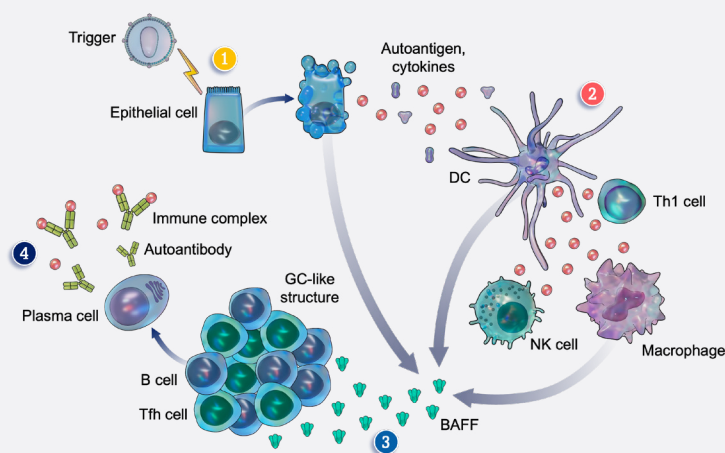
Our patients with SjD face significant burdens, impacts on their overall QoL, and on activities of daily living

Sara McCoy, MD, PhD

\*From a survey of 3622 adults with SjD living in the United States.

## Hallmark B-cell disease

Hyperactive B cells drive a pathological cycle of immune activation leading to chronic inflammation and irreversible tissue damage throughout the body<sup>7,23-25</sup>



1

In genetically susceptible individuals, **environmental factors** may trigger inflammation and release of autoantigens from SGECs<sup>25,26</sup>

2

**Innate immune cells** respond, activating **T cells** and producing inflammatory cytokines<sup>25</sup>

3

**BAFF** is produced, driving activation of **autoreactive B cells** and their differentiation into plasma cells<sup>24-26</sup>

4

**Plasma cells secrete autoantibodies**, which bind autoantigen to form immune complexes.<sup>26,27</sup> These are deposited in different tissues, triggering **chronic systemic inflammation and tissue damage**<sup>26</sup>

## Management of Sjögren's

There are no FDA-approved disease-modifying drugs for SjD. Current management does not address systemic complications and provides only partial and symptomatic relief<sup>16,28,29</sup>



**Systemic treatments have demonstrated limited improvements in systemic disease outcomes**<sup>16,30,31</sup>



of patients somewhat or strongly agree that they **wish there were better treatments** available for SjD<sup>22,\*</sup>

\*From a survey of 3622 adults with SjD living in the United States.

## There is a need to improve standards of care in SjD

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BAFF, B-cell-activating factor; DC, dendritic cell; FDA, US Food and Drug Administration; NK, natural killer; QoL, quality of life; SGEC, salivary gland epithelial cell; Tfh, T-follicular helper cell; Th1, T-helper 1 cell.

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