# Generalized pustular psoriasis (GPP): A rare autoinflammatory skin disease

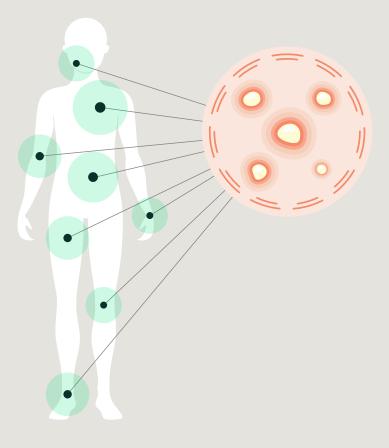
# What is GPP?

GPP is a chronic, inflammatory disease associated with **skin** (episodes of painful pus-filled blisters) and **systemic symptoms**, such as **fever, pain and fatigue.**<sup>1,2,3</sup>

GPP varies a lot between individuals living with the condition, with the symptoms presenting on a continuum, which means it can present either in a persistent or relapsing course.<sup>2,3,4</sup>

GPP is not contagious and cannot be spread from person to person.<sup>5</sup>

It can lead to life-threatening complications, such as multi-organ failure and sepsis, often requiring emergency care.<sup>6</sup>



## Who has GPP?

GPP is a rare disease; with prevalence varying considerably across geographical regions, ranging from

# 1.76 to 124 patients per million persons<sup>2</sup>

GPP can occur with or without concomitant psoriasis<sup>7</sup> Studies have highlighted

higher predominance in females<sup>8,9-11</sup>

#### GPP often first appears between

# 40–50 yrs of age

and earlier in some patients, depending on their genetic make-up<sup>11</sup>

### What causes GPP?

GPP is distinct from plaque psoriasis, with the IL-36 pathway being a key driver of the condition. The exact cause of GPP is unknown, but factors that can contribute to GPP flares include:<sup>3,8,12-16</sup>



Overexposure

to sunlight

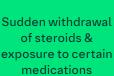


Genetic mutations



Upper respiratory tract infections



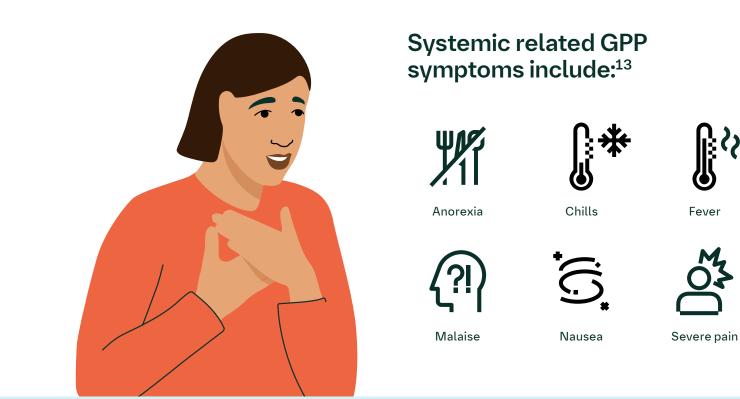




Hormonal changes & pregnancy



Periods of stress & anxiety



## How GPP can impact quality of life<sup>3</sup>

GPP symptoms are unpredictable, which can affect all aspects of life:



Ability to perform daily activities



Mental health (anxiety and depression)



Social relationships

## Scientific advances in GPP



An expert Global Delphi Consensus panel has classified GPP as phenotypically, genetically and immunologically distinct from plague psoriasis<sup>17</sup>



Until recently, the absence of randomized, placebocontrolled GPP trials has posed significant challenges in finding effective treatments<sup>18</sup>



Research into the IL-36 pathway as a therapeutic target has advanced scientific knowledge of GPP<sup>19</sup>, and has led to the first approved comprehensive therapy for the treatment of GPP in the US and China<sup>20,21</sup>

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