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

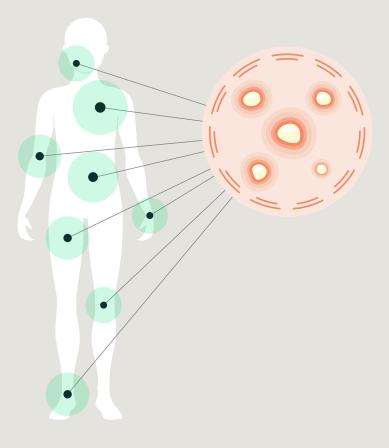
What is GPP?

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

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.^{2,3,4}

GPP is not contagious and cannot be spread from person to person.⁵

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



Who has GPP?

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

1.76 to 124 patients per million persons²

GPP can occur with or without concomitant psoriasis⁷ Studies have highlighted

higher predominance in females^{8,9-11}

GPP often first appears between

40–50 yrs of age

and earlier in some patients, depending on their genetic make-up¹¹

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:^{3,8,12-16}



Overexposure

to sunlight

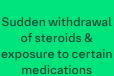


Genetic mutations



Upper respiratory tract infections



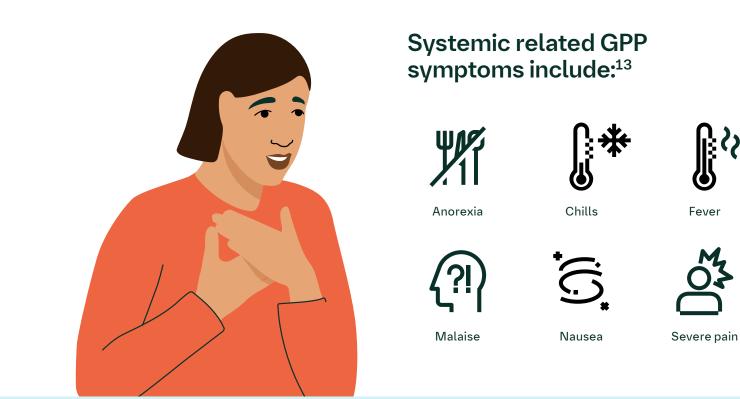




Hormonal changes & pregnancy



Periods of stress & anxiety



How GPP can impact quality of life³

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 psoriasis¹⁷



Until recently, the absence of randomized, placebocontrolled GPP trials has posed significant challenges in finding effective treatments¹⁸



Research into the IL-36 pathway as a therapeutic target has advanced scientific knowledge of GPP¹⁹, and has led to the first approved comprehensive therapy for the treatment of GPP in the US and China^{20,21}

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