



## Impact of Hepatitis C on Skin and Medication-Related Concerns

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### DESCRIPTION

Hepatitis C is a viral infection that primarily targets the liver and can lead to severe complications, including cirrhosis, liver cancer, and liver failure. Hepatitis C can also affect other parts of the body, including the skin. Many people with hepatitis C experience skin problems, such as rashes, itching, and changes in skin color. These skin symptoms can have different causes and treatments, depending on the stage and severity of the infection. Treatment for acute hepatitis C infection is not always necessary, as some people may clear the virus spontaneously without any medication. However, if the infection persists for more than six months, it becomes chronic and requires treatment. Antiviral drugs can cure most cases of chronic hepatitis C infection and prevent further liver damage. Treatment for chronic hepatitis C infection depends on several factors, such as the genotype of the virus, the degree of liver damage, and the presence of other medical conditions. The treatment aims to cure the infection with antiviral drugs and prevent further complications. Some of the newer antiviral drugs have fewer side effects and higher cure rates than older ones. In addition to antiviral therapy, some skin problems may require topical creams, oral medications, or other interventions.

### Medications to treat hepatitis C infection

**Interferon:** This is an injectable drug that boosts the immune system to fight the virus. Interferon can cause flu-like symptoms, depression, hair loss, and various types of rashes. Some of these rashes are mild and self-limiting, while others are severe and require immediate medical attention.

**Ribavirin:** This is an oral drug that works together with interferon to enhance its antiviral effect. Ribavirin can cause hemolytic anemia (low red blood cell count), which can lead to fatigue, shortness of breath, and pale skin. Ribavirin can also cause dry skin, itching, and eczema.

**Direct-Acting Antivirals (DAAs):** These are newer oral drugs that target specific proteins of the virus and prevent it from

replicating. DAAs have fewer and milder side effects than interferon and ribavirin, but they can still cause some skin problems, such as rash, itching, dry skin, and photosensitivity.

### Treatments

For skin problems caused by hepatitis C medications depends on the type and severity of the problem. Stopping or changing the medication may be necessary if the skin problem is severe, life-threatening, or intolerable. However, this may also affect the outcome of the treatment and increase the risk of viral resistance. Reducing the dose of the medication may help to alleviate some of the side effects, but it may also reduce the effectiveness of the treatment. This option should also be discussed with a doctor. Using topical creams or ointments may help to soothe and moisturize the skin, reduce inflammation, and prevent infection. Some examples are corticosteroids, antihistamines, antibiotics, and antifungals. Taking oral medications may help to treat underlying conditions that contribute to the skin problem, such as allergies, infections, or autoimmune diseases. Some examples are antihistamines, antibiotics, antifungals, and immunosuppressants. Avoiding triggers may include sunlight, heat, cold, stress, alcohol, tobacco, and certain foods or chemicals that can aggravate the skin problem. Wearing protective clothing, sunscreen, and moisturizer can also help.

### CONCLUSION

Acute hepatitis C infection is the initial phase of the infection, which occurs within the first six months after exposure to the virus. Most people with acute hepatitis C do not have any symptoms, but some may develop flu-like symptoms, such as fever, fatigue, nausea, and jaundice (yellowing of the skin and eyes). A less common symptom of acute hepatitis C infection is urticaria, also known as hives. Urticaria is a type of rash that causes raised red, itchy welts on the skin. Urticaria can be triggered by an allergic reaction to the virus or to other substances. Urticaria usually precedes the more typical symptoms of hepatitis C and may last for several hours or days.

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**Received:** 21-Aug-2023, Manuscript No. JLR-23-23558; **Editor assigned:** 23-Aug-2023, Pre QC No. JLR-23- 23558 (PQ); **Reviewed:** 14-Sep-2023, QC No JLR-23-23558; **Revised:** 21-Sep-2023, Manuscript No. JLR-23- 23558 (R); **Published:** 28-Sep-2023, DOI: 10.35248/2167-0889.23.12.199

**Citation:** Hilal C (2023) Impact of Hepatitis C on Skin and Medication-Related Concerns. J Liver. 12:199.

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