

Dermatological manifestations of covid-19 – a study from north India

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Abstract

As of June 15th, 2020, COVID-19 (severe acute respiratory syndrome coronavirus 2 [SARS-CoV-2]) has infected 3.67 lakh patients in India bringing the world total to 8.4 million.

SARS-CoV 2 is an enveloped virus composed of positive sense single-stranded RNA and belongs to the coronavirus family. The lungs being the primary site of infection, with patients presenting symptoms ranging from a mild flu-like symptoms to fulminant pneumonia and potentially lethal respiratory distress.

Interestingly, there have been many COVID-19 cases reported with cutaneous manifestations. The purpose of this article is to provide an overview of various cutaneous manifestation in patients with COVID-19.

Studies conducted worldwide categorize observed COVID-associated skin patterns under 5 main categories:

- Acral erythema with vesicles or pustules; so-called "pseudo-chilblains" – "covid toes"
- Vesicular (chicken pox-like) eruptions
- Maculopapular eruptions in 47% cases – most common cutaneous finding in covid-19 infected individual.
- Urticaria
- Livedoid manifestations

The aim of the study was to collect data from one of the largest covid dedicated facilities of north India, where cutaneous manifestations were observed (if any) in covid-19 admitted cases. According to our study 3 out of 550 covid infected patients showed livedoid manifestations. Data was also collected from 140 pediatric group of patients infected with covid-19, where none showed any skin manifestation. This study is probably the foremost and largest collection of cases from one of the biggest covid- dedicated hospital from north India.



Biography:

Dr. Puneet Bhargava is working as senior professor at department of dermatology, SMS Medical College, Jaipur, INDIA. He has around 80 publications in international and national journals. He was a Gold Medalist and is presently Editor of Indian Journal of Sexually Transmitted Diseases. His key interest areas include- vitiligo, leprosy, cutaneous drug reactions, and study of basic physiological functions of skin.



Speaker Publications:

1. Skin Barrier Function Defect - A Marker of Recalcitrant Tinea Infections, Indian Dermatology Online Journal
2. Efficacy of Metformin in the Treatment of Acne in Women with Polycystic Ovarian Syndrome: A Newer Approach to Acne Therapy, Journal of Clinical and Aesthetic Dermatology
3. Eruptive syringoma: A rare case report, Clinical Dermatology Review
4. Insignificant Correlation between Thyroid Hormone and Antithyroid Peroxidase Antibodies in Alopecia Areata Patients in Northern Rajasthan, International Journal of Trichology

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