

Cutaneous Manifestations in COVID-19: Family Cluster of Urticarial Rash

Cepeda Valdes^{1*}, Carrion Alvarez², Trejo Castro², Hernandez Torre³, Salas Alanis⁴

¹Department of Basic Science, Monterrey University, Monterrey, Mexico; ²Department of Clinical, Monterrey University, Nuevo León, Mexico; ³Department of Tecnologicode, Monterrey University, Nuevo Leon, Mexico; ⁴Department of Dermatology, Monterrey University, Nuevo León, Mexico

EDITORIAL NOTE

Coronavirus disease (COVID-19) is rapidly spread across the world. Many clinical manifestations of the virus are described, and new symptoms are emerging, only few cases of patients with skin manifestation were described since the pandemic was announced by the WHO on March.

Common clinical features of COVID-19 reported include fever, cough, myalgia, fatigue, headache, shortness of breath and diarrhea.

There is some report that describe that the skin manifestations in COVID-19 represents up to 20.4%, widespread urticaria, morbilliform rash, erythematous rash, and chickenpox-like vesicles, purpuric rash, dusky acrocyanosis, dry gangrene, petechiae rash co-existing with thrombocytopenia, transient livedo reticularis, and red papules on fingers resembling chilblains were described related to COVID-19. Unfortunately, some of these report do not have clinical pictures related with COVID-19 and skin manifestations.

We report a family of 5 members, who lived in the city of Monterrey, Mexico, positive to COVID-19; one of the members was infected during a traveled to New York City in February 2020.

All patients presented anosmia, ageusia, chills, and dizziness. Two cases presented skin manifestation associated with COVID-19.

A 50 year old woman (Patient 1), and a 20 year old women (Patient 2), the daughter of patient 1, both with no history, presented disseminated rash to both shoulders, elbow, knee and buttocks characterized by erythematous annular and irregular wheals on the skin that appear suddenly and disappear in less

than 24hrs. After the cough and the fever appears, the rash appears. No triggers factors were found, except for the viral context. No other clinical or laboratory exams were positive. The diagnosis of urticaria associated with COVID-19 was made. Two cases were treated with antihistamines, and moisturizers and 48hrs after the onset of the treatment the urticaria disappear.

Although, urticarial rash is the most common skin manifestation described in COVID-19 infection, they can divide in two, those related with the virus and those associated with complications and management. 5

Further studies are required to understand the skin involvement in COVID-19. Histopathology of active exanthemas may be helpful in understand skin manifestations of COVID-19 infection.

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Correspondence to: Cepeda-Valdes, Department of Basic Science, Monterrey University, Monterrey, Mexico, E-mail: dr.cepeda@gmail.com

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