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RESEARCH AREA: HEALTH - VIRUS - EPIDEMIOLOGY

TITLE: Active implications for dermatologists in "SARS-CoV-2 era": Personal experience and review of literature

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Research activity description: Nowadays, the most important strategic goal for dermatologists is to assess what their active involvement could be in fighting COVID19. For this reason, four key points were taken into account: identification of cutaneous manifestations related to COVID19; implications of SARS-CoV-2 infection for use of biological drugs and other immunosuppressive and immunomodulatory therapies in dermatological patients; management of occupational skin diseases related to hygienic washing and use of personal protective equipment among patients and clinicians; strategic implications in planning dermatological clinical assistance to population. A systematic review based on PRISMA guidelines, it includes relevant data extrapolated from 3 electronic medical databases – PubMed, EMBASE, Web of Science, was provided. Dermatological manifestations reported in course of SARS-CoV-2 infection are: urticarial rash, erythematous rash, chickenpox-like vesicles, acro-ischemia presentations including finger/toe cyanosis, skin bullae, dry gangrene, livedo reticularis. Dermatologists need to assess the benefit-to-risk ratio for the use of systemic therapies in dermatological patients, case-by-case. Occupational skin diseases related to personal dispositive equipment are emergent among clinicians. Dermatologists should be flexible and aware that the outpatient's service could be deeply reworked. In conclusion, dermatologists could have a strategic role both in containment of SARS-CoV-2 infection, and in treatment of patients and clinicians in deal with COVID19.
