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Multidisciplinary care of epidermolysis bullosa during the COVID-19 pandemic—Consensus: Recommendations by an international panel of experts

To the Editor: The 2019 novel coronavirus (COVID-19) pandemic became apparent in China during the International Congress on Epidermolysis Bullosa (EB) in London, in January 2020. Many patients with EB have medical problems that make them a vulnerable population of patients. We developed an international consensus to suggest the best management of patients with EB during the pandemic.

The severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) virus enters host cells using its spike protein binding to the cell receptor angiotensin converting enzyme 2 (ACE2), which is expressed in several tissues. Mucosae have high ACE2 expression, particularly the nasal epithelium. ACE2 is also expressed in the basal layer of keratinocytes and sebaceous glands of normal skin as well as in vascular endothelial cells, but its expression in wounded EB skin has not been studied.

A questionnaire was drafted by an author (D.M.) into a table of suggested modifications to the management of EB during the COVID-19 pandemic. Fifty-seven well-known experts on EB were selected based on membership of the international Clin-et group or clinical expertise in EB, or both, demonstrated at International EB Congress participation. Responses and reasons for each response were requested individually to the lead author based on an ideal scenario, rather than what actually may happen in some centers with financial constraints. A priori, consensus was considered to be the agreement of more than 70% of respondents with the suggestion. Questionnaires were returned by 44 of the 57 EB experts, representing several areas of clinical expertise in EB (dermatology, pediatrics, internal medicine, and surgery) from 5 continents. After addition and revision of some items and 3 cycles of revoting, consensus was achieved for all items, which are summarized in Supplementary Table I (available via Mendeley at https://data.mendeley.com/datasets/zmpncb6zpr/2).

The main change in usual practice was the introduction of photographs from the patient/family and teledermatology as the primary visit for patients with less severe EB, with dressing supplies sent to the patients directly. For those patients with EB with significant internal disease, monitoring tests (blood and urine) must continue but can be obtained by local laboratories or family doctors close to home. If telehealth images are insufficient to correctly assume that they have a low likelihood of survival. If a patient with EB required...
anticoagulation to manage COVID-19, there might be additional bleeding from the skin or mucosae, but blood transfusions will compensate for this. Supplemental Table I details protection for the skin and mucosae that is required for wearing masks and ventilation.

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Fighting COVID-19: Early teledermatology lessons learned

To the Editor: Coronavirus disease 2019 (COVID-19) has exacerbated the unequal access to medical care experienced by historically marginalized patient populations. Early data demonstrate that the infection and death rates in predominantly black neighborhoods are 3-fold and 6-fold higher, respectively, than in predominantly white neighborhoods. In response to the pandemic, academic and private dermatology practices have both quickly rolled out teledermatology service in an effort to continue access to care. Our study evaluated early practice patterns to identify any variations in the quality of and access to teledermatology services.

We randomly selected 274 teledermatology visits conducted during the month of April 2020 in the Department of Dermatology at Beth Israel Deaconess Medical Center. We reviewed each visit and extracted the following information: age, preferred language, diagnoses, disposition, visit type (telephone vs video), and visit duration. In addition, we randomly selected 250 in-person visits conducted during the month of February 2020 for a prepandemic comparison.

Before the pandemic, 32% of patients seen in person were older than 65 years, and 7% of patients seen in person were non–English speaking, those defined as necessitating interpreter service (Table I). During the pandemic, 23% of patients seen in teledermatology were older than 65 years, and 3% of patients seen in teledermatology were non–English speaking (Table I).

The 2 most common diagnoses seen in teledermatology, other than a lesion of concern, were acne at 19% and dermatitis at 18% of total visits (Table II). Nearly all teledermatology visits with these diagnoses led to a recommendation for discharge or follow-up via subsequent teledermatology visits. In contrast, 60% of teledermatology visits for evaluation of lesion(s) led to a recommendation to follow-up in person for re-evaluation or biopsy, or both. Lastly, 75% of teledermatology visits with durations of 20 minutes or greater were conducted...