

Mobile Teledermatology of Acute Allergic Angioedema Case Reported

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Abstract:

Background: In addition, this type of angioedema can occur if an insect or spider bites you. Acute allergic angioedema happens quickly, usually within minutes to about one to two hours after you've made contact with the allergen. You almost always have hives along with the swelling Patients.

Methods: Ten years old Yemeni boy children patient presented with two big swelling in his forehead of acute onset. His father take photo for him by mobile and sent me through WhatsApp.

Mobile Teledermatology: This occurred after insect bite. He was treated by oral antihistamine and topical steroid. There were no any investigations.

Results: The clinical data and the investigations showed that patient had acute allergic Angioedema.

Conclusion: Acute allergic Angioedema was common skin disease caused by insect bite.

Keywords: mobile; teledermatology; yemen; angioedema; social media; allergic; acute.

Case study:

10 years old Yemeni boy children patient presented with two big swellings in his forehead of acute onset. His father take photo by his mobile for his this son and sent

it to me by WhatsApp teledermatology. I followed him out patient and no any investigations needed. The patient treated with oral antihistamine and topical steroid. The main cause is insect bite. (figure 1)



Figure 1: Forehead two big swellings of acute allergic angioedema.

Comment:

Tele dermatology is a subspecialty in the medical field of dermatology and probably one of the most common applications of telemedicine and e-health. In tele dermatology, telecommunication technologies are used to exchange medical information (concerning skin conditions and tumors of the skin) over a distance using audio, visual, and data communication. [1,2,3,4]. Applications comprise health care management such as diagnoses, consultation, and treatment as well as (continuous) education. The dermatologists Perednia and Brown were the first to coin the term "tele dermatology" in 1995. In a scientific publication, they described the value of a tele dermatologic service in a rural area underserved by dermatologists. Mobile telemedicine is a system in which at least one. [5,6,7,8,9]. Participant (the person seeking advice or the doctor, for instance) uses wireless or mobile equipment i.e. mobile phones, handheld devices), in contrast to conventional stationary telemedicine platforms. Travelers who develop skin lesions as well as doctors who are on the move in hospital/non-hospital area can benefit from this new development in tele dermatology. [10,11,12,13]. To facilitate access to medical advice and enable individuals to play a more active role in managing their own health status, mobile tele dermatology seems to be especially suited for patient filtering or triage. (i.e. referral based on the severity and character of their skin condition). Another possible practical application is for follow-up of individuals with chronic skin conditions. However, currently available studies show a high rate of missed skin cancers including melanoma, and there is not enough robust data to recommend this method of diagnosis and treatment. Suitability of cases Not all cases are suitable for tele dermatology. [14,15,16,17]. The type of cases. suited for tele dermatology is a topic, which requires more studies. Some studies have observed that eczema and follicular lesions were diagnosed with relatively more certainty, while in some other studies it was seen that diagnoses were made with more certainty in cases like viral warts, herpes zoster, acne vulgaris, irritant dermatitis, vitiligo, and superficial bacterial and fungal infections. Implemented projects by country of Yemen. [18,19,20,21,22,23,24]. Angioedema is swelling that is similar to hives, but the swelling is under the skin instead of on the surface. Hives are often called welts. They are a surface swelling. It is possible to have angioedema without hives. Hives and angioedema may also occur after infections or with other illnesses (including autoimmune disorders such as

lupus, and leukemia and lymphoma). A form of angioedema runs in families and has different triggers, complications, and treatments. This is called hereditary angioedema. The main symptom is sudden swelling below the skin surface. Welts or swelling on the surface of the skin can also develop. The swelling usually occurs around the eyes and lips. It may also be found on the hands, feet, and throat. The swelling may form a line or be more spread out. The welts are painful and may be itchy. This is known as hives (urticaria). They turn pale and swell if irritated. The deeper swelling of angioedema may also be painful. Angioedema that does not affect the breathing may be uncomfortable. It is usually harmless and goes away in a few days. [25,26,27,28,29,30].

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