Cervicothoracic Necrosis Fascia Following an Insect Bite
Mahiou Noureddine1*, Laasikri Omar2, Maouni Safae2, Nitassi Sophia1, Razika Bencheikh1, Oujilal Abelilah1, Anas Benbouzid1, Essakalli Leilla1

1Department of Otolaryngology, Head and Neck Surgery, Ibn Sina University Hospital, Mohammed V University, Rabat, Morocco
2Department of Dermatology, Ibn Sina University Hospital, Mohammed V University, Rabat, Morocco

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*Corresponding author: Mahiou Noureddine

Abstract
Necrotizing bacterial dermohypodermitis with necrotizing fasciitis (DHBN-FN) is an infection of the hypodermis, the muscular fascia and secondarily the dermis. The infection sometimes spreads in a fulminating manner along the fascia. It constitutes a medical-surgical emergency. It is a rare and serious infection. The mortality remains high, despite an improvement in surgical techniques and resuscitation. We report the case of old men of 65 years with diabetes as co-morbidity and discusses the clinical, therapeutic and evolutionary aspects through the literature.

Keywords: Necrotizing Fasciitis, infection; insect bite.

INTRODUCTION
Necrotizing bacterial dermohypodermitis with necrotizing fasciitis (DHBN-FN) is a necrotizing infection of the hypodermis, the muscular fascia and secondarily the dermis. The infection sometimes spreads in a fulminating manner along the fascia. It constitutes a medical-surgical emergency. It is a rare and serious infection. The mortality remains high, despite an improvement in surgical techniques and resuscitation.

CASE STUDY
65-year-old men admitted to the emergency room for anterior cervico-thoracic pain with edema. The onset of the disease was 30 days after an insect sting in the cervical region. She undertook a self-medication treatment that did not improve. The pain evolved becoming more intense, insomniante, pulsatile, permanent and irradiating towards the anterior cervical and thoracic regions, the right breast. The pain was accompanied by fever at 39°C, vomiting, hypersialorrhea, anorexia and slimming with weight loss of 8 kg. On examination, there was a putrid odor of exudates, dehydration folds, and cyanic spots which were poorly limited in geography. An induration of the edema extending from the right neck to the anterior cervicothoracic region with Necrotic ulceration at insect bite point. Tomodensitometry confirm the presence of cervico-mediastinal cellulitis (Figure-1). A surgical exploration included a hypodermic melt with a greenish creamy appearance, no pus frank, a large area of skin detachment, necrotizing fasciitis, rare bleeding. Myositis. Then the patient was hospitalized in intensive care unit with set up of adapted medical treatment and change of dressing qoutidien but unfortunately the patient died 4 days after its admission.

Fig-1: An induration of the edema extending from the right neck to the anterior cervicothoracic region with Necrotic ulceration at insect bite point (red arrows)

DISCUSSION
Despite the development of antibiotic therapy, suppurations periharyngeal defects can be observed. They are dominated in our experience with the periamygdalial philegmon [3].
Fasciitis necrotizing is not an exceptional complication, however. It is said to be linked to certain favourable factors, in particular the states immunosuppression induced by diabetes, HIV infection, diabetes malnutrition [1, 4, 5].

These factors have not been identified in our 2 patients, in whom we can nevertheless accuse a precariousness linked to the low standard of living. The harmful role of NSAIDs, in addition to being used for self-medication, appears to be used again confirmed [1, 3, 4].

Cervical necrotizing fasciitis would generally be of origin odontogenic, representing nearly 78% of cases in some cases series [4, 5]; even if one of the patients had multiple caries, the oropharyngeal starting point seems more likely, being given the concomitant tonsil lesions [4-6].

The origin Pharyngeal fasciitis is not uncommon (from 16 to 44% of cases)[4, 7]; the initial existence of a periamygdalien abscess is not always shown [6].

The monobacterial isolation observed in our experience is less frequent than the classical microbial plurality and generally composed of group A streptococci and germs anaerobic [1, 4, 5]. Enterobacteriaceae and pseudomonas such as that highlighted in our patients are part of the germs other than streptococcus [1]. This infection of the tissues soft, described as “flesh-eating”, is progressing rapidly, as shown by these 2 clinical cases.

The classic therapeutic attitude is the one that has been used in both cases, combining parenteral antibiotic therapy and surgery stripper [1, 2, 4, 5]. Some teams have shown that a less invasive surgical treatment with catheter drainage type resulted in super imposable results [6-8].

Hyperbaric oxygen therapy would have indications, but its effectiveness is discussed [1, 8]. The use of reconstructive surgery is conditioned by the squeal [1, 4].

The evolution has been unsatisfactory in our experience, because the thoracic locations which mediastinal extension [1, 2, 4, 5]; the mortality rate, between 7 and 20%.in the cervical forms, would reach 41% in the event of damage thoracic [2, 4, 7].

**CONCLUSION**

Necrotizing cervical fasciitis is a severe and fulminant infection. Early diagnosis and treatment are necessary to reduce mortality. Aggressive and prompt surgery associated to antibiotic therapy is the most important factor in improving prognosis.

**REFERENCES**