Introduction
Dyshidrotic eczema or acute palmoplantar eczema is a common cause of hand and foot dermatitis in adults. It is a recurrent vesicular eruption affecting the soles, palms, or both. It is very pruriginous and generally appears suddenly. It creates vesicles that, on physical examination, can look similar to “tapioca pudding”, which is the characteristic clinical feature of this disorder. It is more common in young adults and affects men and women equally. In this report, we present the case of a 40-year-old woman with no relevant past medical history who presented to the hospital with vesicular lesions in his hands and maculopapular lesions in his arms and legs. The patient had characteristic lesions in his right hand consistent with dyshidrotic eczema and negative workup for bullous pemphigoid, scabies, bacterial, fungal and viral infections [1].

Observation
40 years old, a laboratory technician by profession, admitted for vesicular and bullous lesions on the lower limbs and the backs of the hands (Fig:1, 2 and 3), the patient had an attack on the oral mucosa without affecting the other mucous membranes, she also had an attack on the scalp. Before her hospitalisation, she had been seen several times by different dermatologists without any etiological orientation, she also had a skin biopsy in favour of a pemphigus vulgaris, a re-reading was in favour of a bullous dermatosis with a junction cleavage and dermal infiltrate containing eosinophils which did not allow an etiological orientation without the appearance of pemphigus vulgaris. A direct immunofluorescence was performed and returned without abnormality, the indirect immunofluorescence was negative. The biological examination did not show hyper eosinophilia or any other associated disease, a diagnosis of dyshidrotic eczema was made and the patient was treated with dermocorticoids and an antifungal treatment with a good improvement.

Discussion
Dyshidrotic eczema (DE) or acute palmoplantar eczema is a common cause of hand dermatitis in adults. It accounts for 5-20% of the causes of DE [1]. It is a vesiculobullous disorder of the hands and soles. It is an intraepidermal spongiosis of the thick epidermis in which accumulation of edema causes the formation of...
small, tense, clear, fluid-filled vesicles on the lateral aspects of the fingers that can become large and form bullae [2]. The diagnosis is mostly clinical and suggested by a recurrent rash of acute onset with vesicles and bullae located in the fingers extending to the palmar surfaces of the hands. We present a case of DE recognized clinically by the characteristic “tapioca pudding” appearance of the lesions located in the palmar aspect of the hand.

The vesicles can have a deep-seated appearance, which is referred to as “tapioca pudding.” In severe cases, lesions can extend to the palmar area and affect the entire palmar aspect of the hand [2,3]. DE is also known as acute palmoplantar eczema and is an intensely pruritic, vesicular eruption that presents in the hands, feet, or both. The term “dyshidrosis” was first used in 1873 to describe the blistering of the palms and soles, which was believed to be related to the sweat glands [3]. The clinical presentation of DE is a sudden eruption of intensely pruritic vesicles in the hands and feet, particularly in the lateral and dorsal aspects of the fingers [4]. The vesicles are deep-seated and can be multilocular with a characteristic “tapioca pudding” appearance and can coalesce into bullae. Therefore, the diagnosis of DE is mainly clinical. Secondary infection of the lesions can occur. However, DE is not related to any abnormality of the sweat glands [2]. The exact prevalence of DE is unknown but it accounts for approximately 5-20% of the causes of hand eczema [1]. The exact cause of DE has not been established, but there are several risk factors for its occurrence, including atopic dermatitis, exposure to contact allergens and/or irritants, hyperhidrosis, smoking, exposure to ultraviolet light, and intravenous immunoglobulin use [4,5].

A skin biopsy is rarely required and is usually indicated when there is a lack of improvement with treatment or if an infection is indicated in the differential diagnosis. Spongiorsis is the main pathologic finding.

The management of DE focuses on the treatment of acute eruptions and long-term skincare. The treatment of acute DE is based on the severity of the presentation. Severity could be assessed by using the Dyshidrotic Eczema Area and Severity Index (DASI) score, which considers the number of vesicles, the severity of erythema, pruritus, and other characteristics. However, the DASI score is not applied broadly in medical practice [6]. In general, mild to moderate cases present with lesions that do not involve the entire palmar or plantar surfaces, have few crops of vesicles, erythema that is mild, pruritus that is not disabling, and no significant pain or discomfort [2]. Mild to moderate cases are treated with topical corticosteroids and calcineurin inhibitors. Topical tacrolimus and mometasone furoate in treatment of dyshidrotic palmar eczema: a randomized, observer-blinded trial 46: 73-77. DE treatment is considered refractory when there is a lack of improvement after two to four weeks of adequate therapy. When the differential diagnosis is uncertain, then further workup for bacterial, fungal, and viral infections, skin patch testing, and skin biopsy can be considered [2]. Topical psoralsen and ultraviolet A therapy (PUVA) can be used in refractory DE [8]. There might be a role for botulinum toxin A in dyshidrotic hand eczema: a controlled prospective pilot study with left-right comparison 16: 40-42.

Conclusions
DE is a common cause of hand dermatitis. The identification of the condition by clinical features is crucial given that it is mainly a clinical diagnosis and biopsy is reserved for patients with refractory disease or suspected secondary infection. Learning how to identify the “tapioca pudding” appearance of the vesicular lesions in these disorders is important to differentiate it from other conditions.

References
1. Agner T, Aalto-Korte K, Andersen KE, C Foti, A Gimenéz-Arnau et al. (2015) Classification of hand eczema. J Eur Acad Dermatol Venereol 29: 2417-2422.
2. Wollina U (2010) Pompholyx: a review of clinical features, differential diagnosis, and management. Am J Clin Dermatol 11: 305-314.
3. Lofgren SM, Warshaw EM (2006) Dyshidrosis: epidemiology, clinical characteristics, and therapy 17: 165-181.
4. Guillet MH, Wierzbicka E, Guillett S, Dagregorio G, Guillett G (2007) A 3-year causative study of pompholyx in 120 patients 143: 1504-1508.
5. Kotan D, Erdem T, Acar BA, Boluk A (2013) Dyshidrotic eczema associated with the use of IVIg. BMJ Case Rep 10.1136/bcr-2012-008001.
6. Vocks E, Plotz SG, Ring J (1999) The Dyshidrotic Eczema Area and Severity Index - a score developed for the assessment of dyshidrotic eczema 198: 265-269.
7. Schnopp C, Remling R, Möhrensclager M, Weigl L, Ring J et.al (2002) Topical tacrolimus (FK506) and mometasone furoate in treatment of dyshidrotic palmar eczema: a randomized, observer-blinded trial 46: 73-77.
8. Tanvea S, Kittler H, Thallinger C, Höngischmann H, Tanew A (2009) Oral vs. bath PUVA using 8-methoxypsoralen for chronic palmpplanter eczema 25: 101-105.
9. Wollina U, Karamfilov T (2002) Adjuvant botulinum toxin A in dyshidrotic hand eczema: a controlled prospective pilot study with left-right comparison 16: 40-42.