Dermatitis de contacto irritativa y alérgica

HOSPITAL DE LA SANTA CREU I SANT PAU
Hospital de la Santa Creu i Sant Pau

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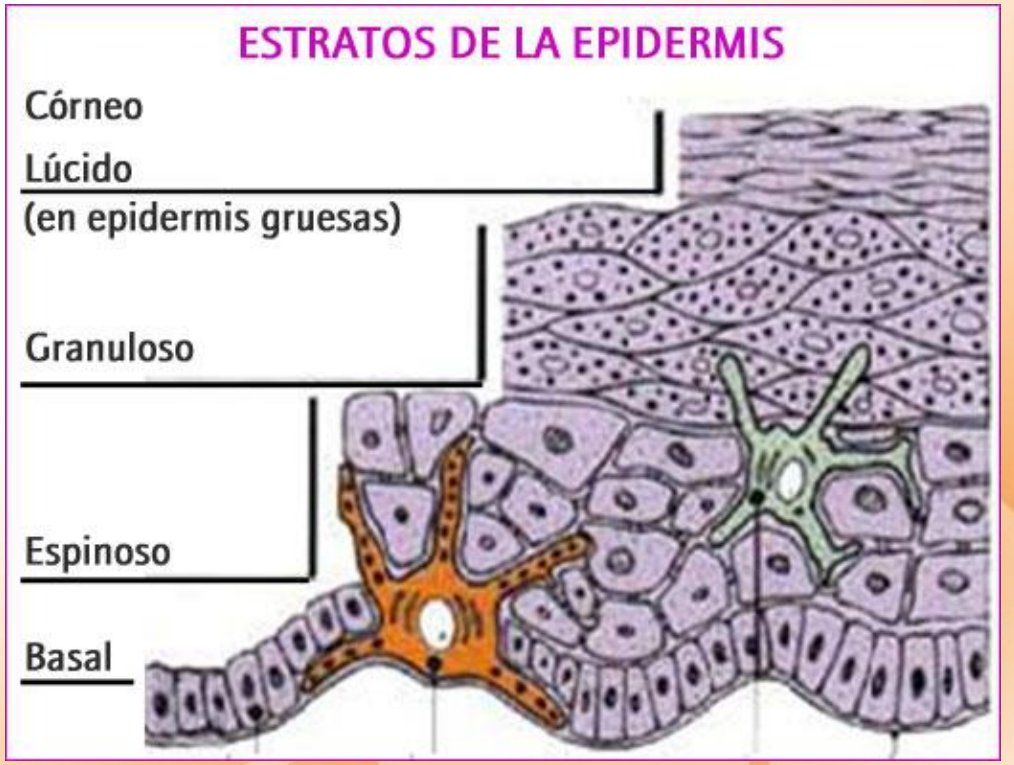
La piel

Epidermis: Epitelio estratificado queratinizado

- Córnea
- Lúcido
- Granuloso
- Espinoso
- Basal

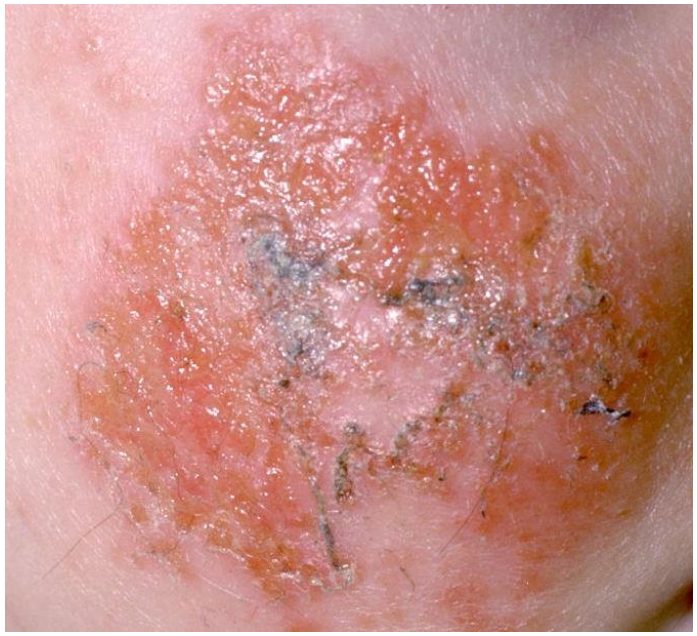
Dermis: tejido conectivo subyacente

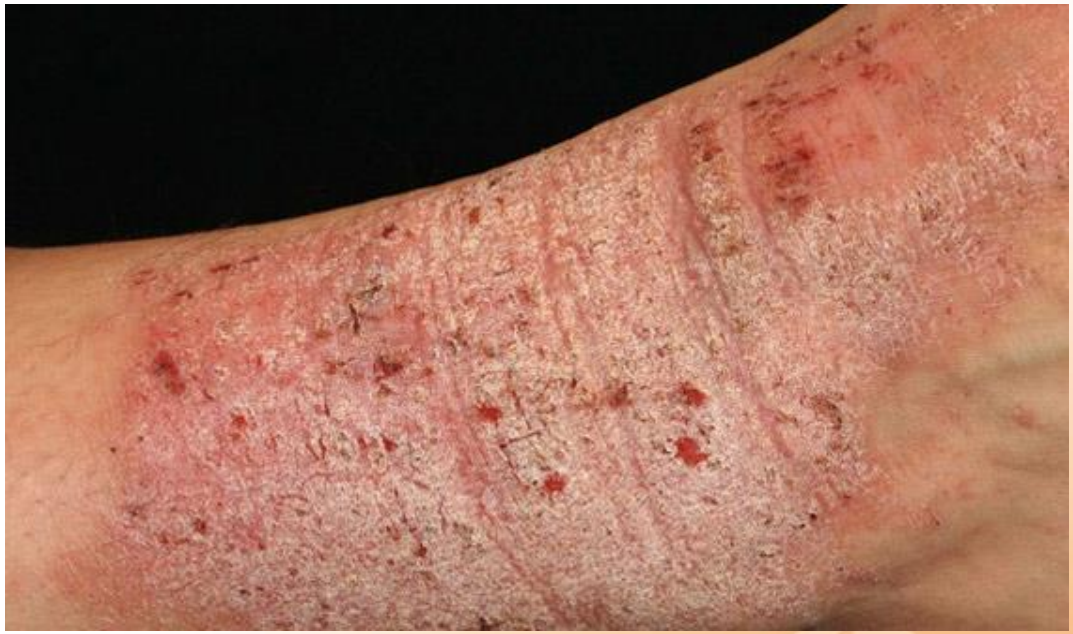


Funciones piel

- **Protectora**
  - **Barrera cutánea (Inmunidad innata)**
  - **Célular (Inmunidad adaptativa)**
- **Regula la temperatura corporal**
- **Metabólica**
- **Sensitiva**
- **Excretora**
- **Secretora**

Eczema



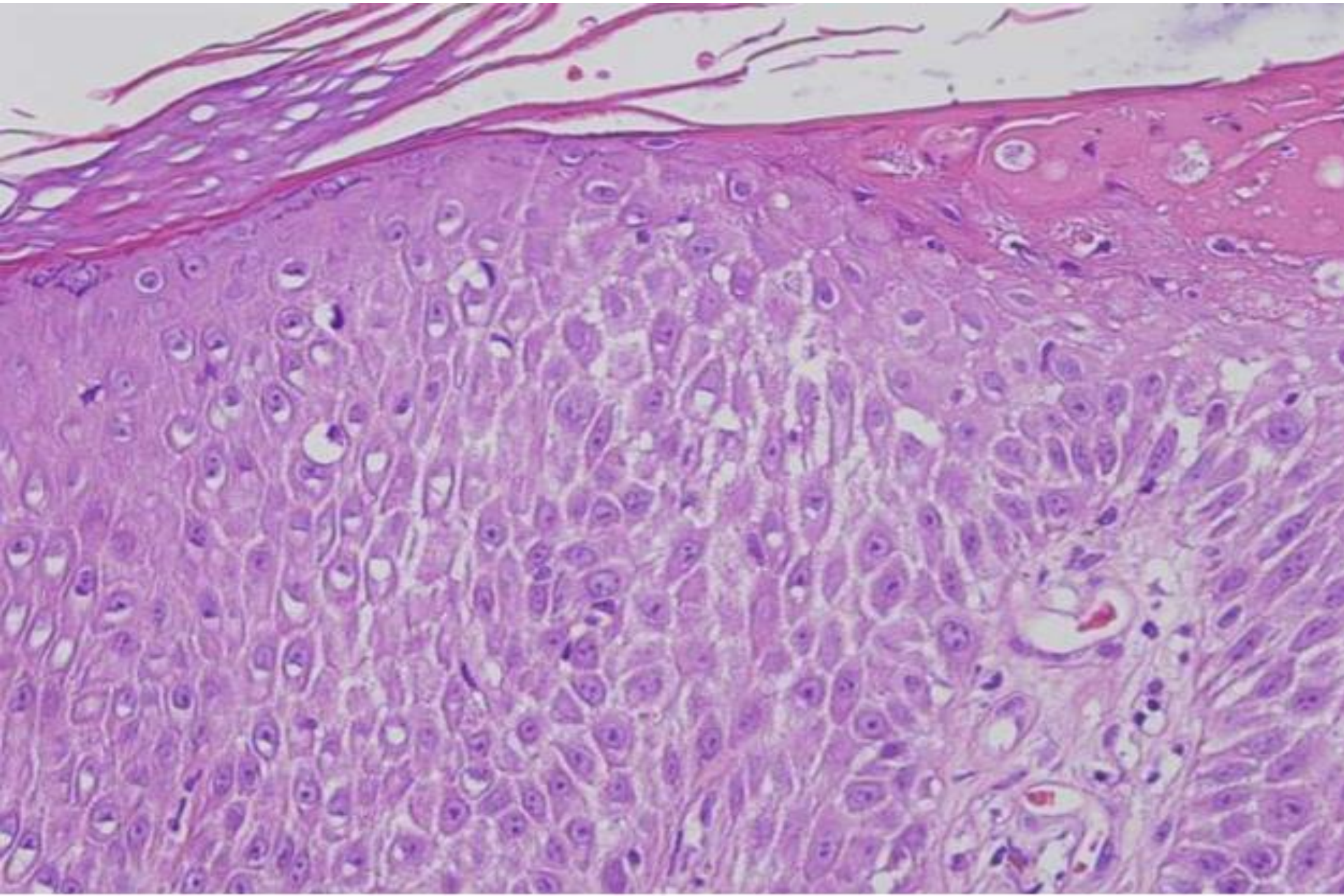


Agudo

- Eritema
- Vesiculación
- Exudación

Crónico

- Xerosis
- Descamación
- Liquenificación



Dermatitis de contacto

- **Irritativa:** Activación sistema immune innato por daño citotóxico de agente químico o físico

- **Alérgica:** Reacción immune de hipersensibilidad retardada (IV) mediada por células T hapteno-específicas

- **No exposición previa al irritante**
- **Reacción similar en otros individuos**

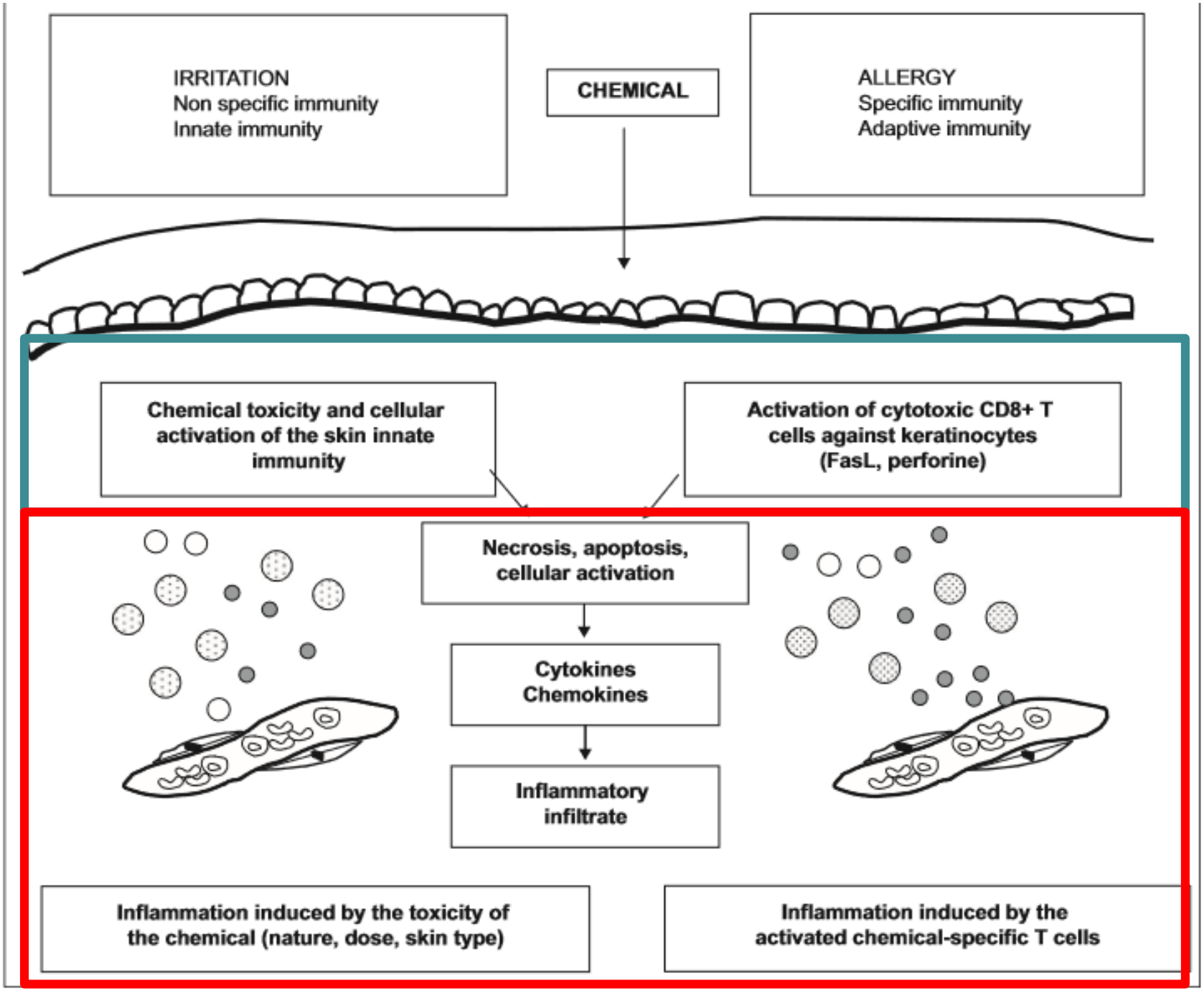

IRRITATION
Non specific immunity
Innate immunity
CHEMICAL
ALLERGY
Specific immunity
Adaptive immunity
Chemical toxicity and cellular activation of the skin innate immunity
Activation of cytotoxic CD8+ T cells against keratinocytes (FasL, perforine)
Necrosis, apoptosis, cellular activation
Cytokines Chemokines
Inflammatory infiltrate
Inflammation induced by the toxicity of the chemical (nature, dose, skin type)
Inflammation induced by the activated chemical-specific T cells

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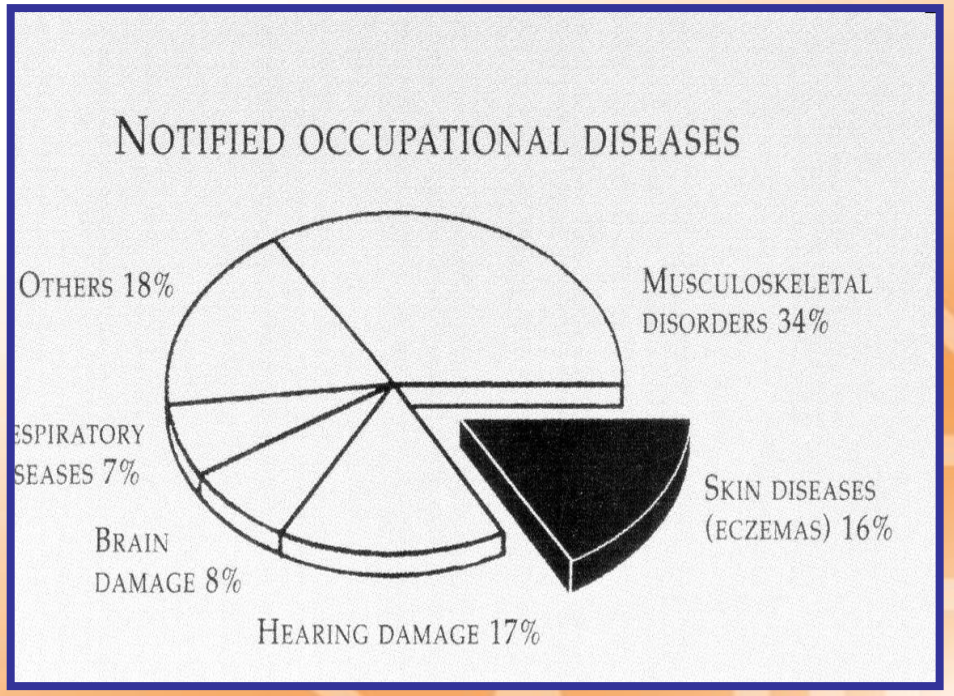
Table 3 Clinical differences between ICD and ACD.

	ICD	ACD
Morphology	Acute ICD includes erythema and edema and sometimes vesicles or bullae, oozing and pustules; necrosis and ulceration may also be seen with corrosive materials.	Pustules, necrosis, or ulceration are rarely seen.
	ICD is mostly characterized by dryness, roughness, glazed, or scalded appearance of the skin. Chronic ICD may have hyperkeratosis, desquamation, lichenification, and fissuring.	ACD is mostly characterized by edema, vesicles and oozing; however, these features are usually not present in subacute or chronic ACDChronic ACD may display hyperkeratosis, desquamation, lichenification, and fissuring.
	Lesions are characteristically sharply circumscribed to the contact area.	Clinical lesions are stronger in the contact area, but their limits are usually ill defined.
	Usually there is absence of distant lesions, but dermatitis may sometimes be generalized depending on the nature of the exposure.	Dissemination of the dermatitis with distant lesions may occur.
Symptoms	Symptoms of acute ICD are burning, stinging, prickling, pain, and soreness of the skin (pruritus may be present).	Pruritus is the main symptom of ACD.
Clinical course	Acute ICD may appear after first exposure (at least with strong irritants).	Sensitizing exposure(s) is required. Clinical lesions appear after subsequent challenges with re-presentation of the antigent to already primed (memory) T-cells.
	In acute ICD, lesions appear rapidly, usually minutes to few hours after exposure, but delayed reactions can be seen. Irritant reactions are characterized by the "decrescendo phenomenon". The reaction reaches its peak quickly, and then starts to heal.	Lesions usually appear 24–72 h after the last exposure to the causative agent, but they may develop as early as 5 h or as late as seven days after exposure. Allergic reactions are characterized by the "crescendo phenomenon", and the kinetics of resolution may be slower

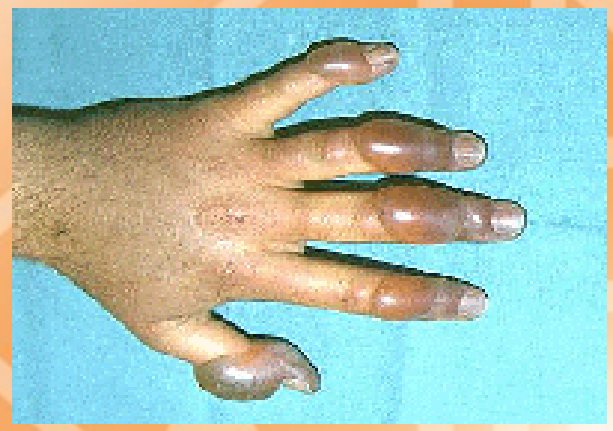
Eczema irritativo

- Por daño citotóxico directo tras irritante→ disrupción e inflamación
- 70-80% de los casos de dermatitis de contacto (importancia ocupacional)
- Manos 70% Cabeza 10%



Eczema irritativo

- **Polimorfa:** eritema, descamación, edema, vesiculación, liquenificación, xerosis. Casos severos **necrosis y ulceración**
- Apariencia similar a ICA (aún diferente patogénesis)
- Multifactorial (irritante, host, ambiental factors)



Factores influyentes DC Irritativa

- Tipo de piel
- Tipo de trabajo
- ¿Género?
- Factores genéticos

Factores influyentes DC Irritativa

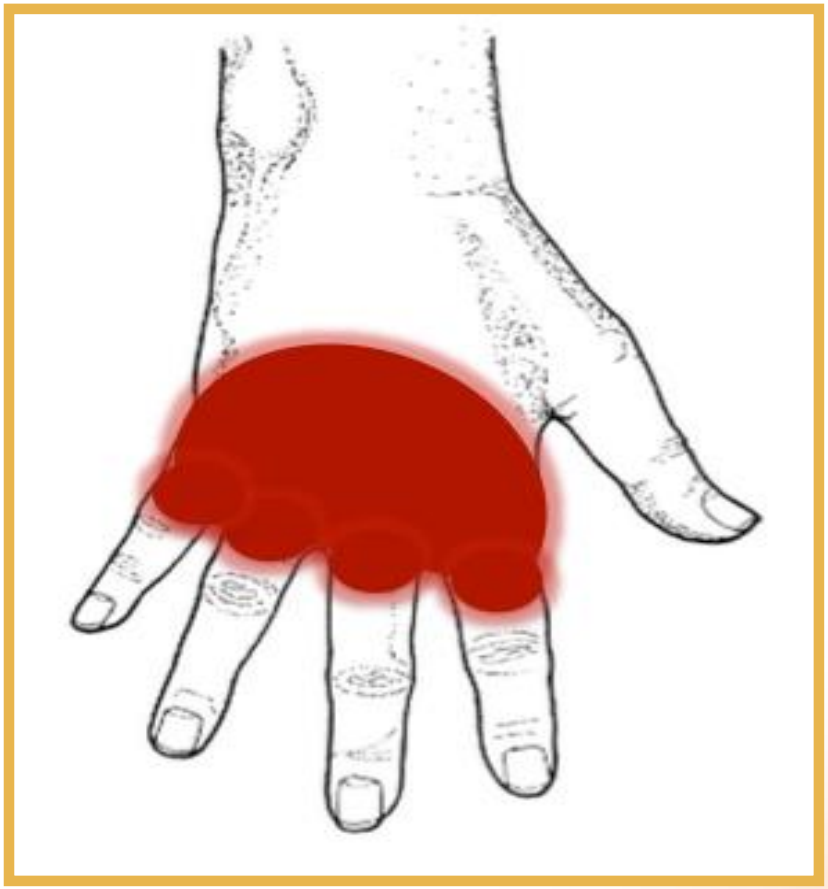
pH (ácidos y álcalis fuertes)

Concentración

Baja humedad

Duración del contacto

Dermatitis de contacto de manos



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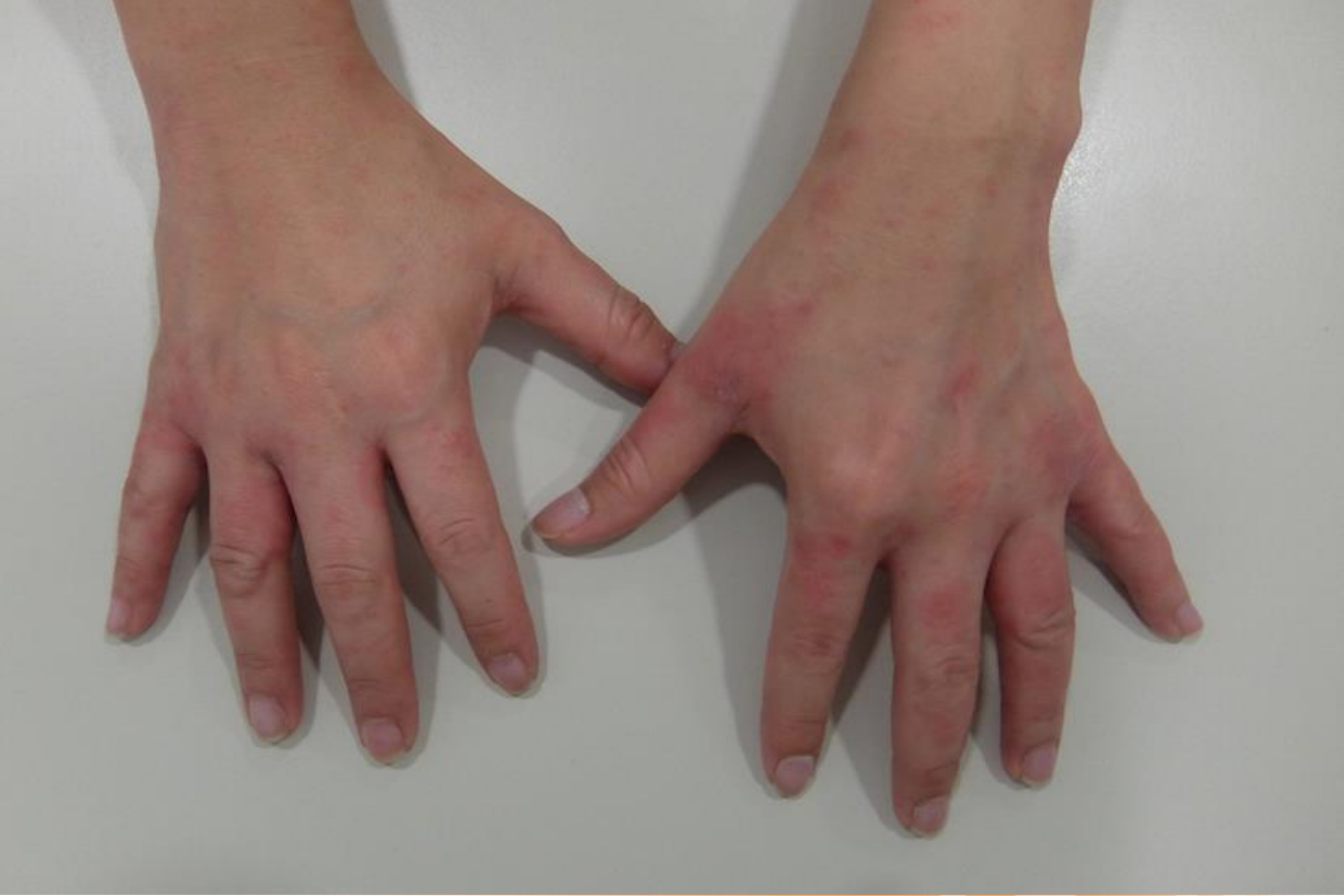
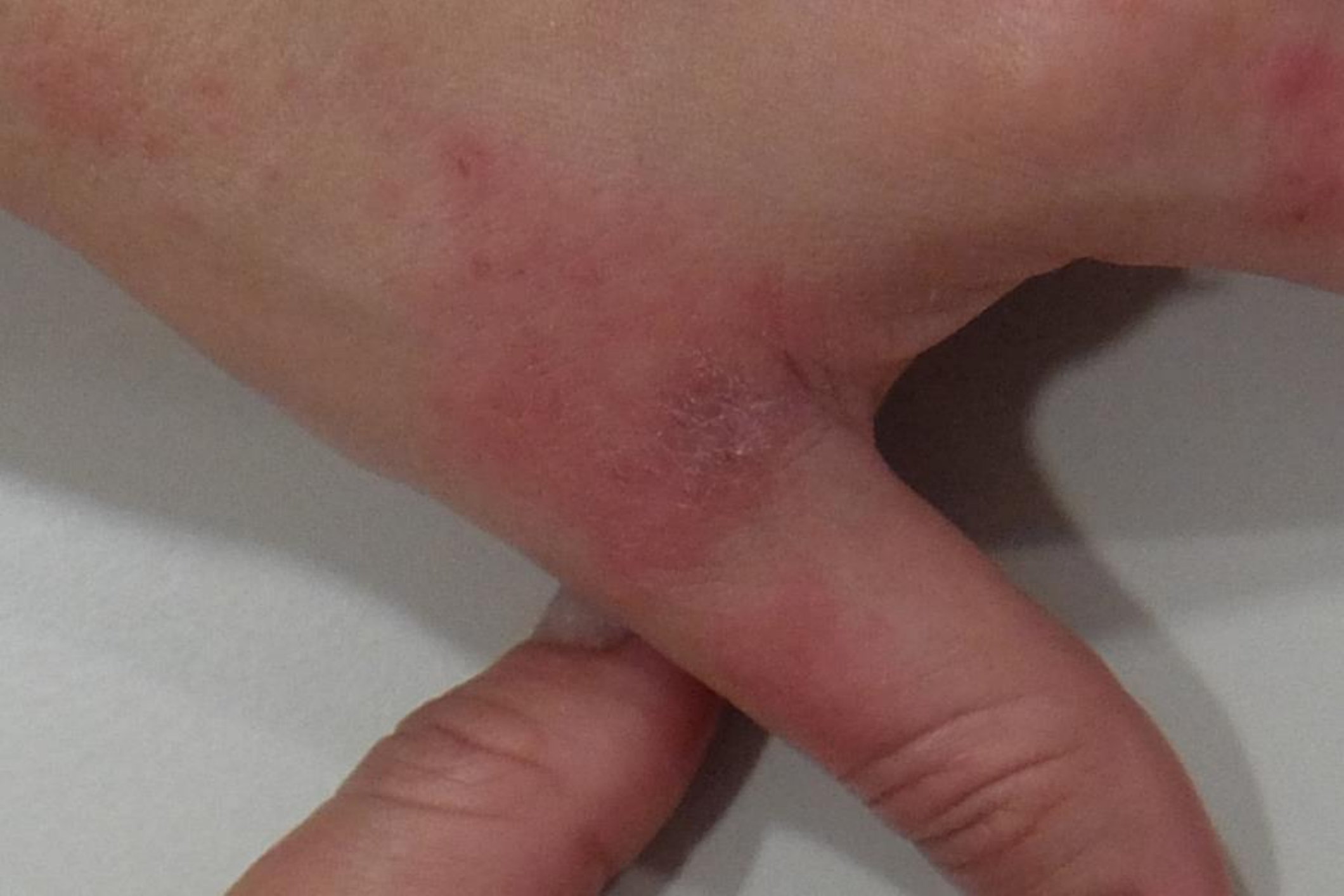
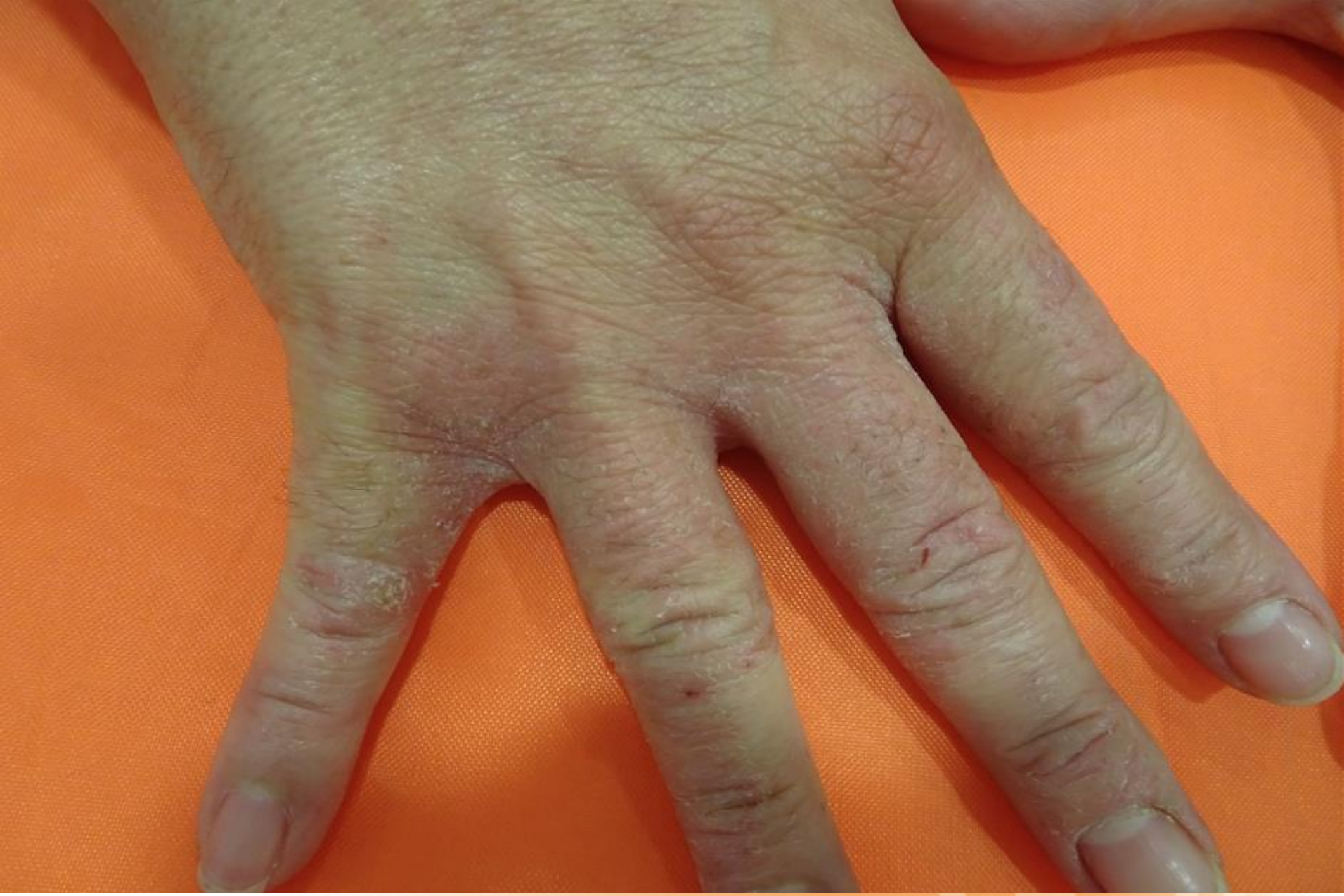
Patrón delantal

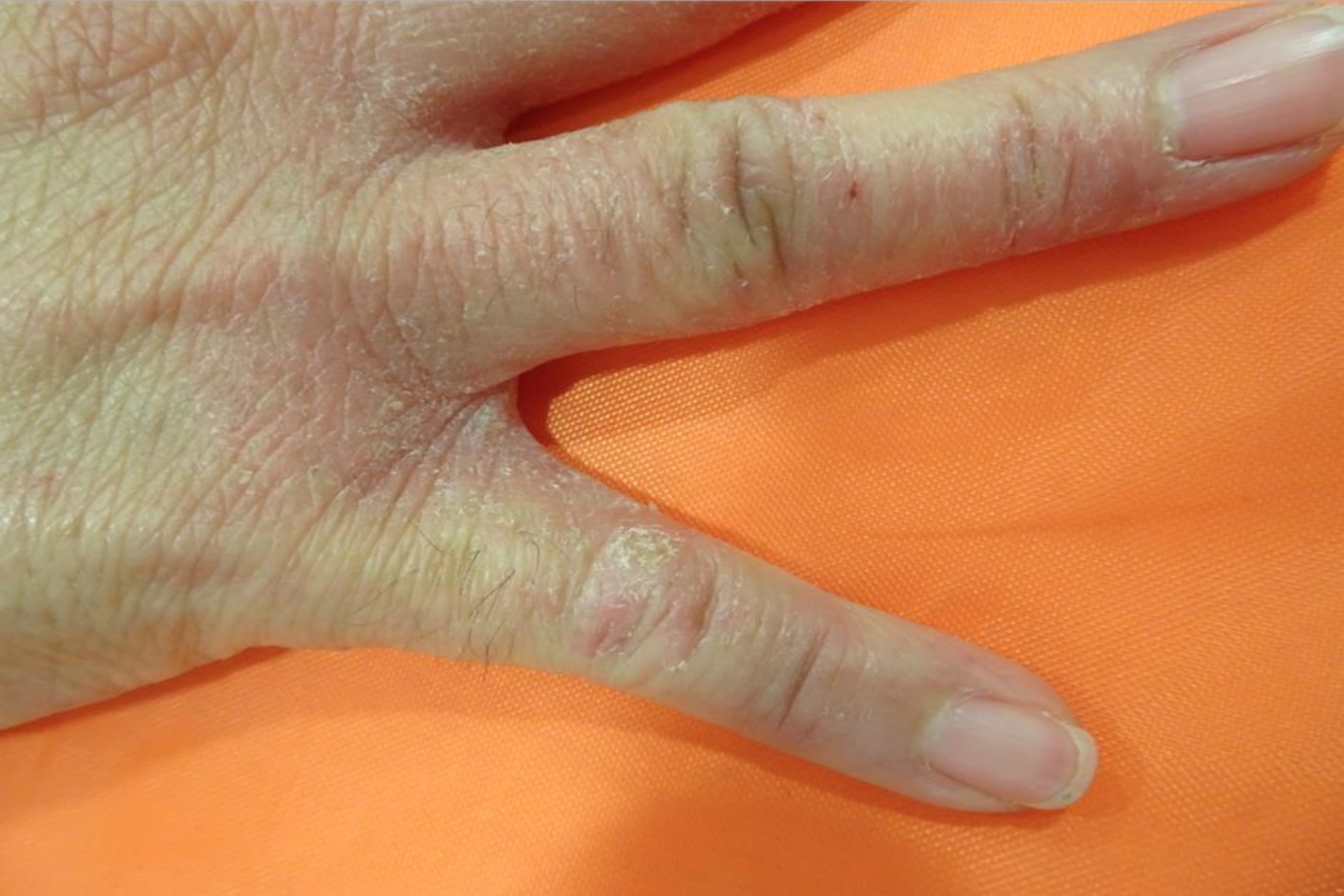
Iniciado en espacios interdigitales con extensión a cara dorsal y ventral

IRRITATIVO

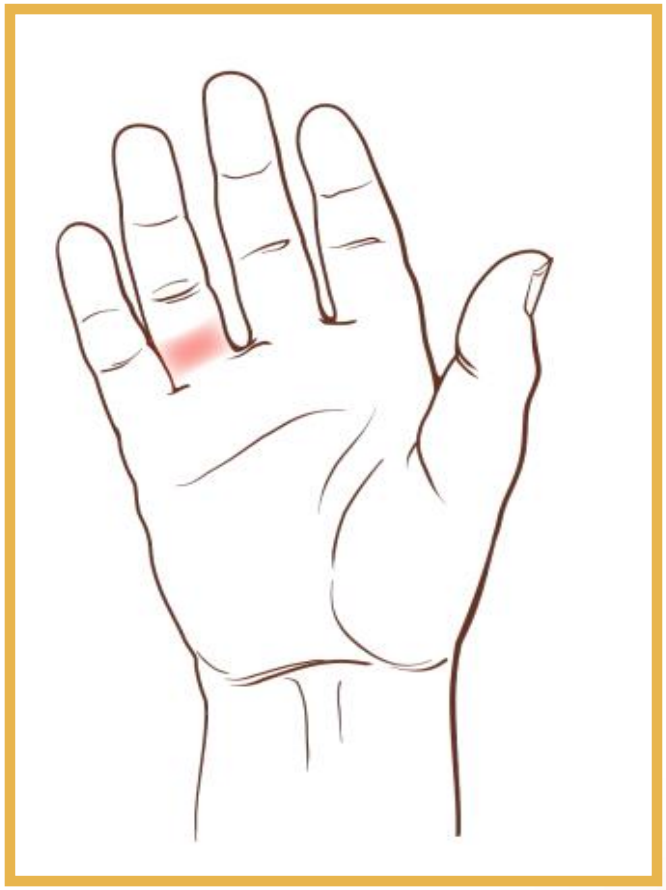








Dermatitis de contacto de manos



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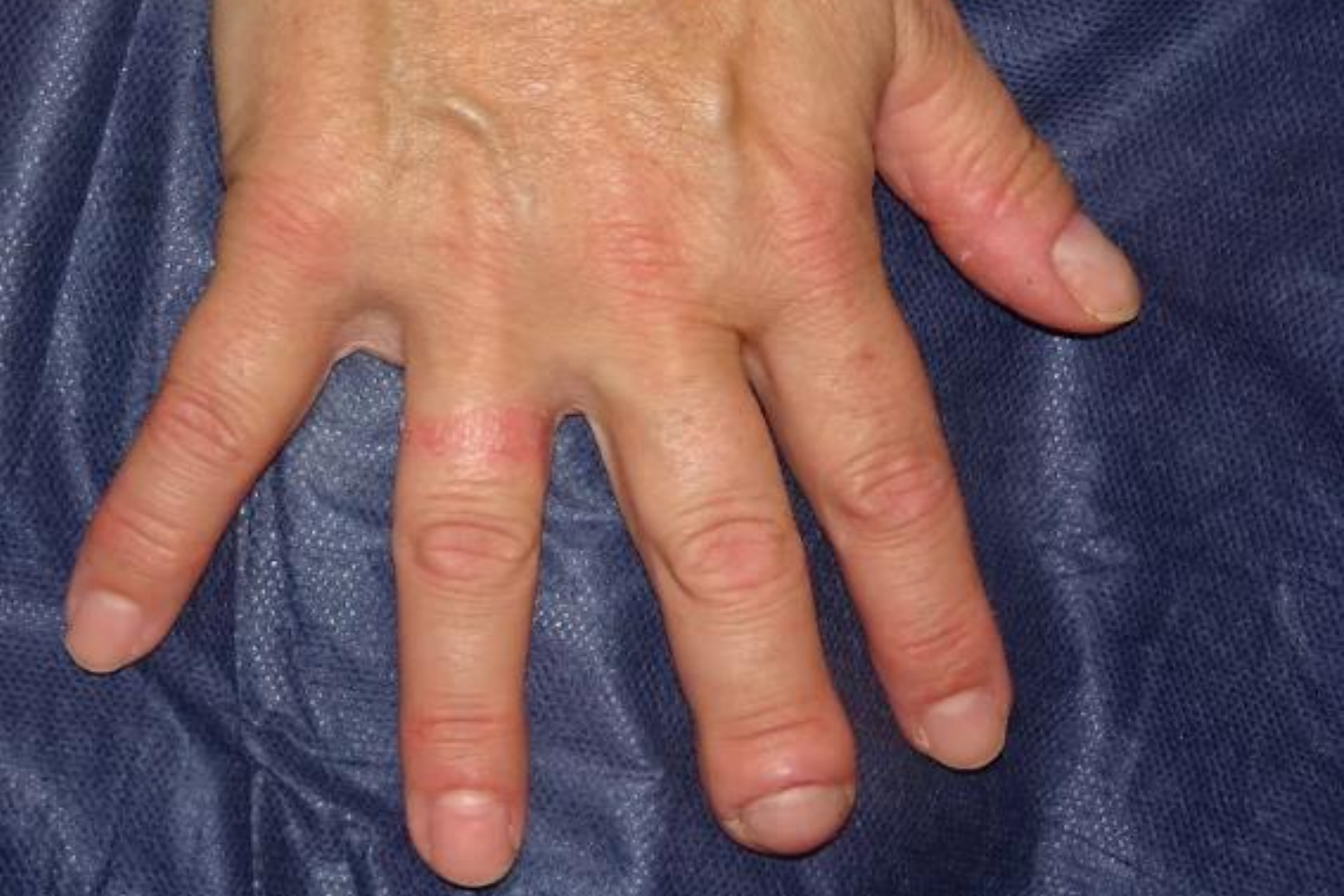
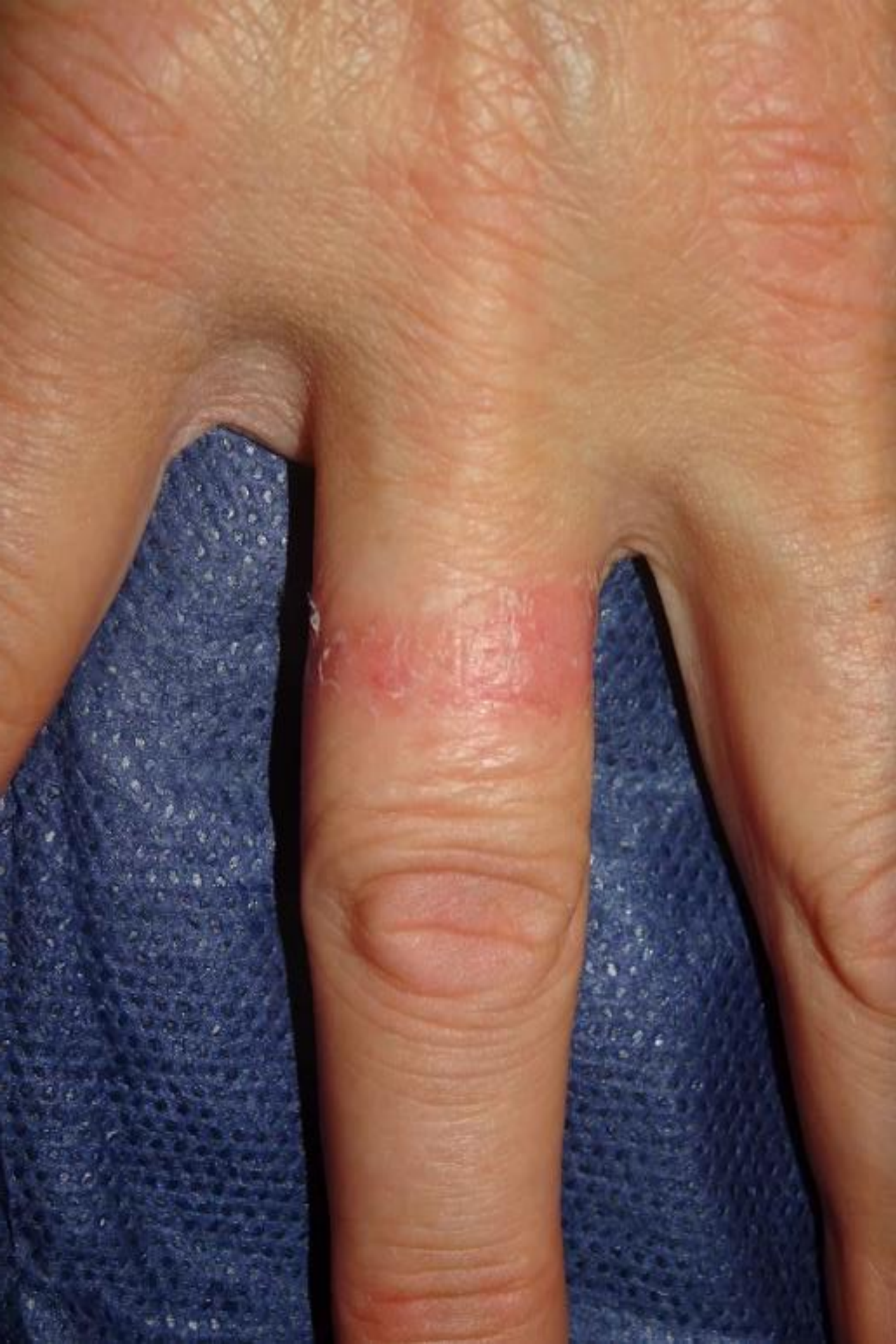
Patrón anillo

Rara vez alérgico:

- Metales, fragancias

IRRITATIVO

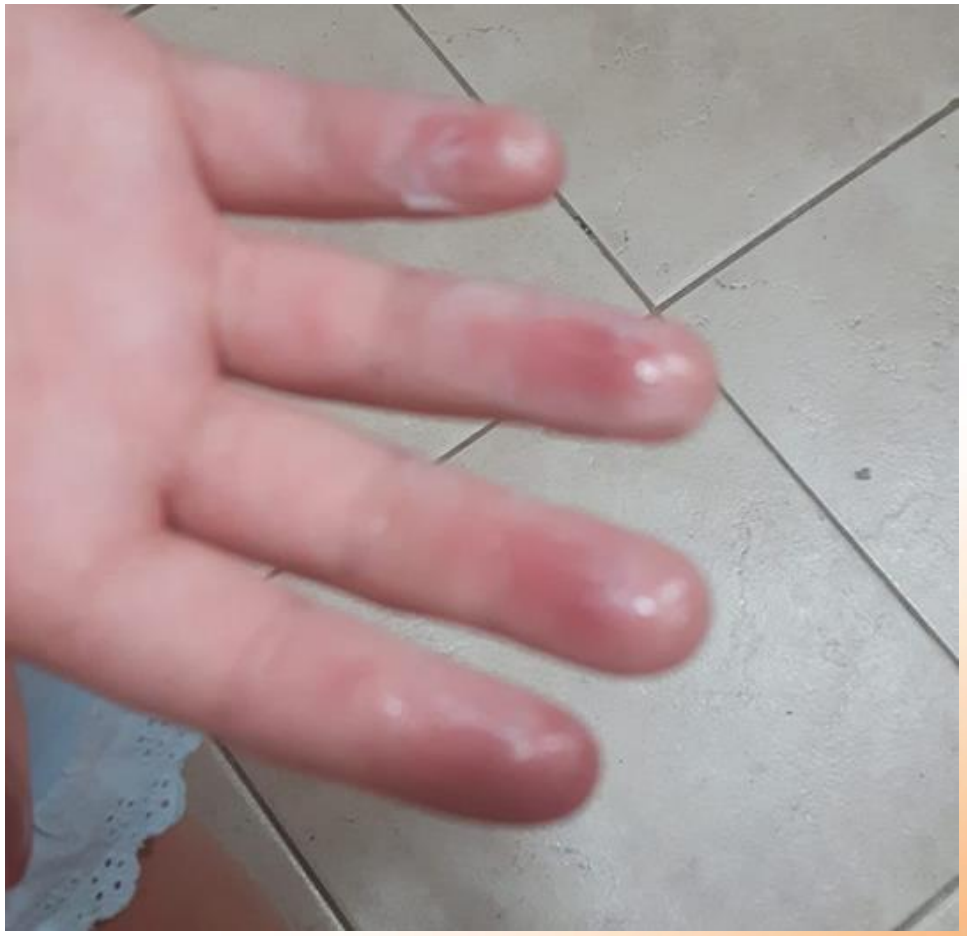




Dermatitis de contacto de manos

Guidelines for diagnosis, prevention and treatment of hand eczema – short version

- We recommend diagnostic patch tests be performed in all patients with HE with a duration of more than three months and/or relapse, to identify the role of contact allergens in the environment. *Strong consensus-based recommendation (Grade A).*



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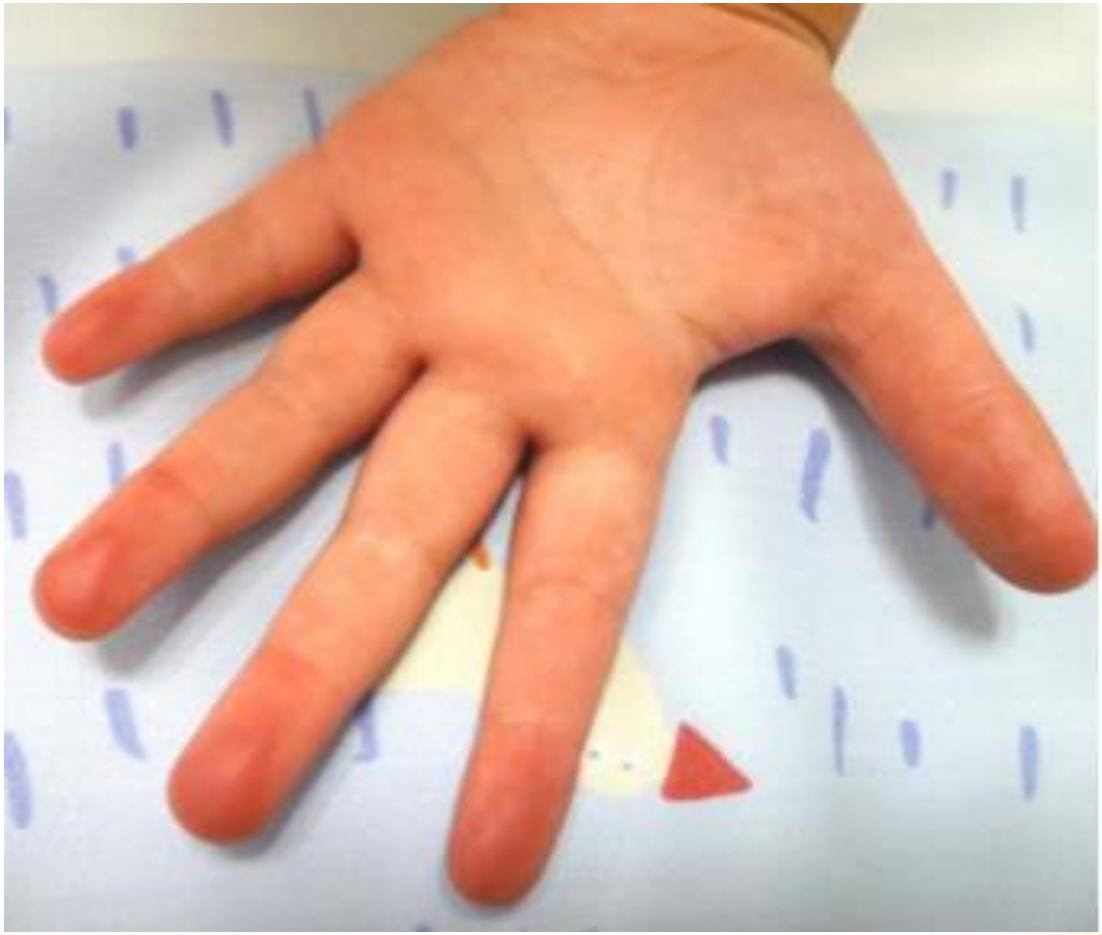
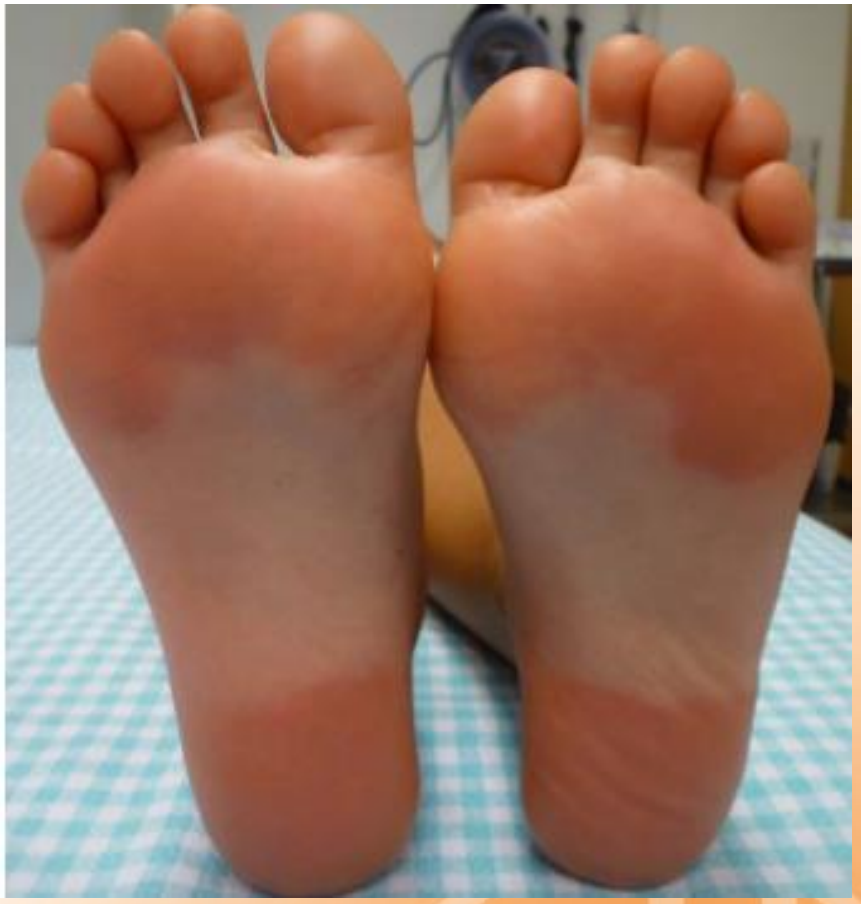




IMAGES IN PAEDIATRICS

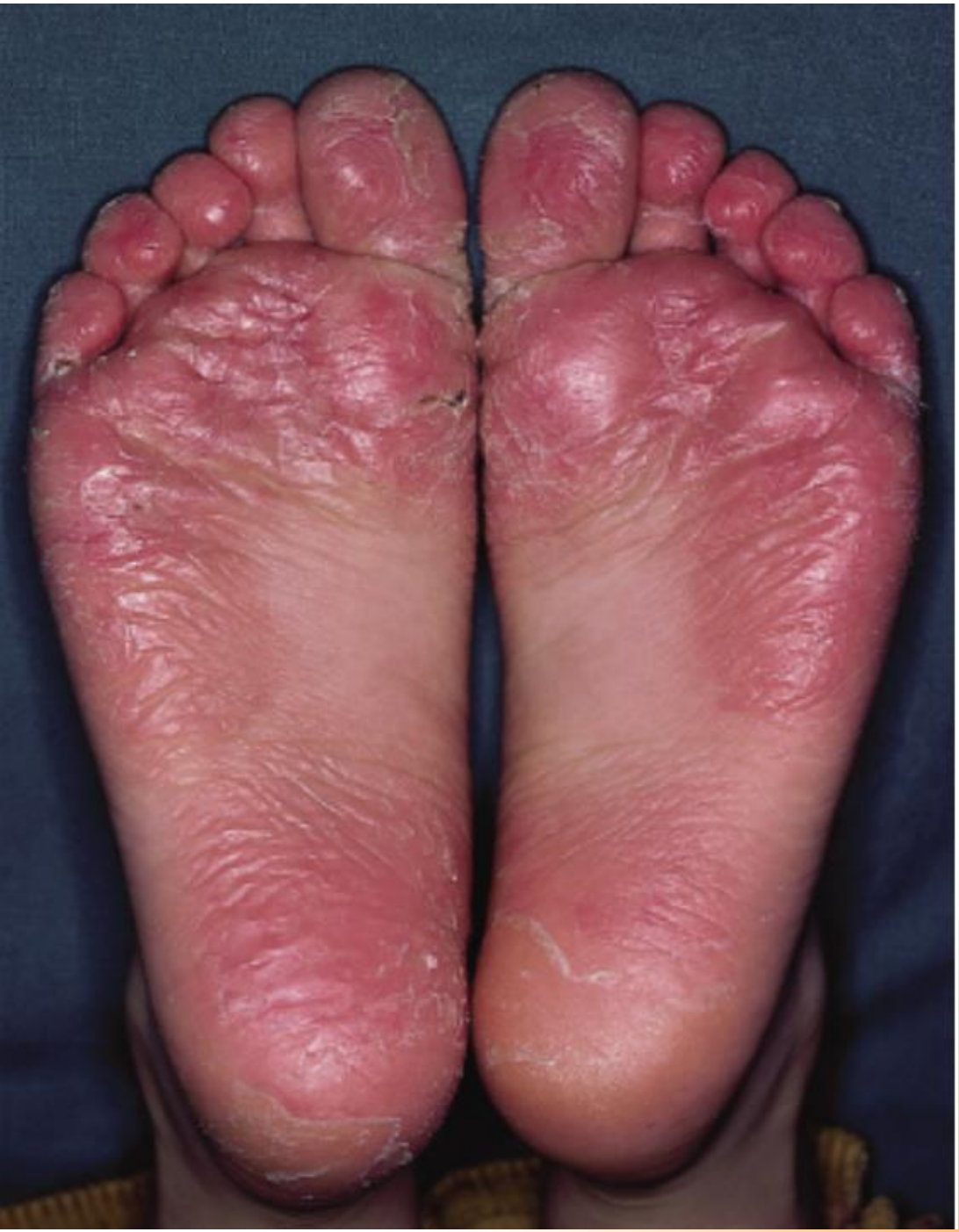
Pool palms

Alejandro Novoa, Sandra Klear

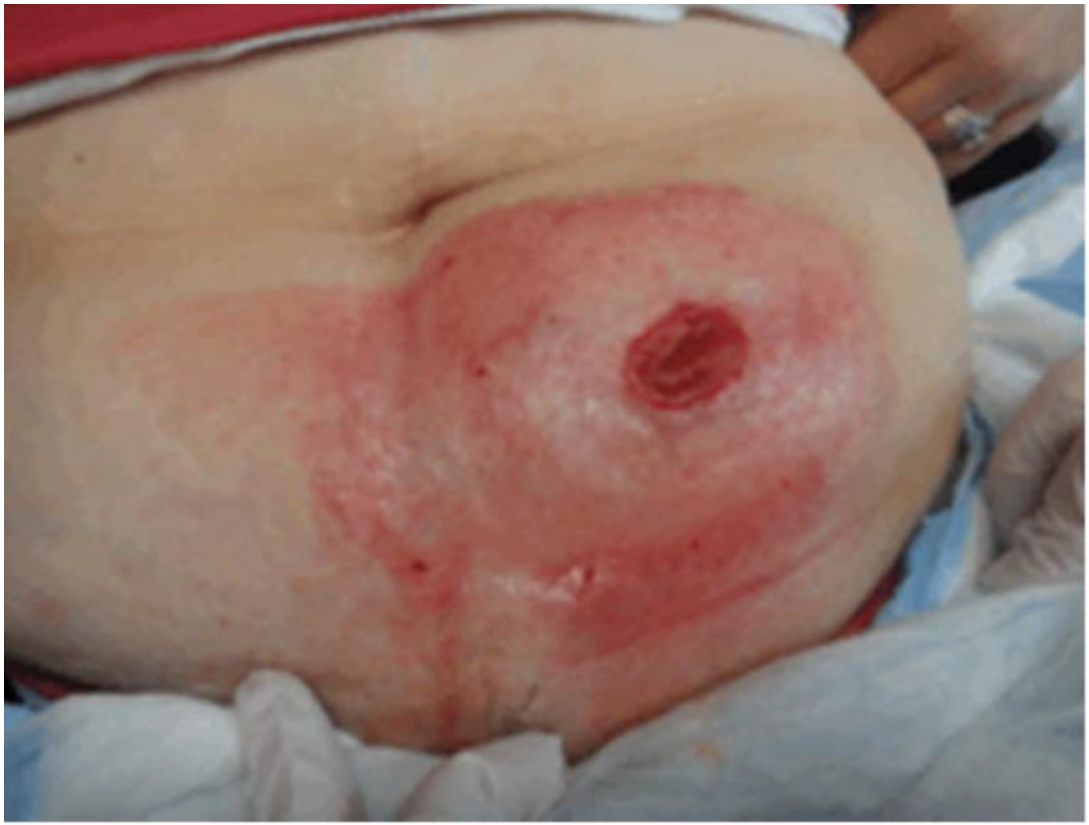
Pediatric Department, Policlinica Comarcal del Vendrell, Tarragona, Spain

Diaper rash: what else besides irritant contact dermatitis?

Vânia Oliveira Carvalho, Renata Robl, Marjorie Uber, Kerstin Taniguchi Abagge, Leide Parolin Marinoni, Juliana Gomes Loyola Presa



Dermatitis plantar juvenil



Managing severe dermatitis caused by ileal peristomal leakage using a mushroom-type (de Pezzer) catheter in infants: a case series.

Banani SA[1], Banani SJ[2].

Review

Peristomal skin complications: what dermatologists need to know

Dalal Almutairi[1,2], MD, Kimberly LeBlanc[3,4], MN, RN CETN (C) PhD (c), and Afsaneh Alavi[1,2], MD, MSc, FRCPC

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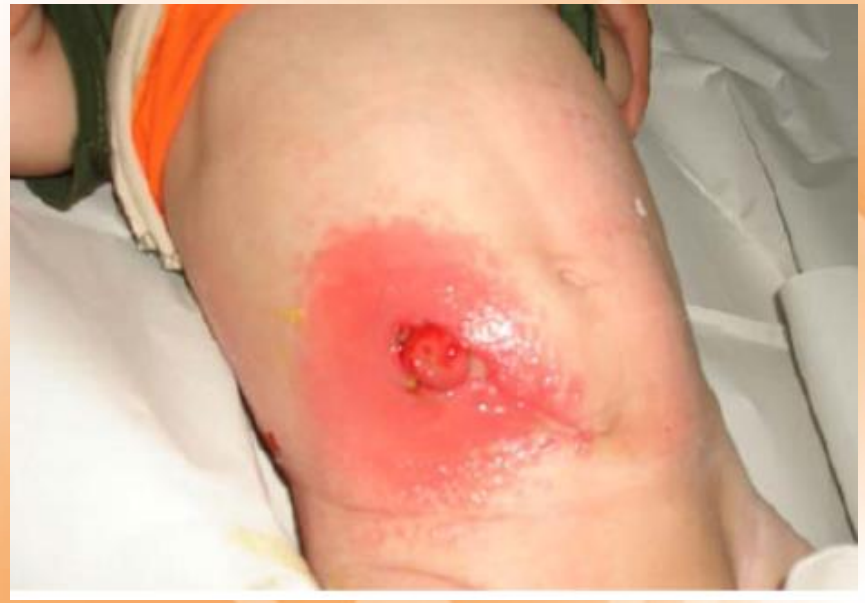


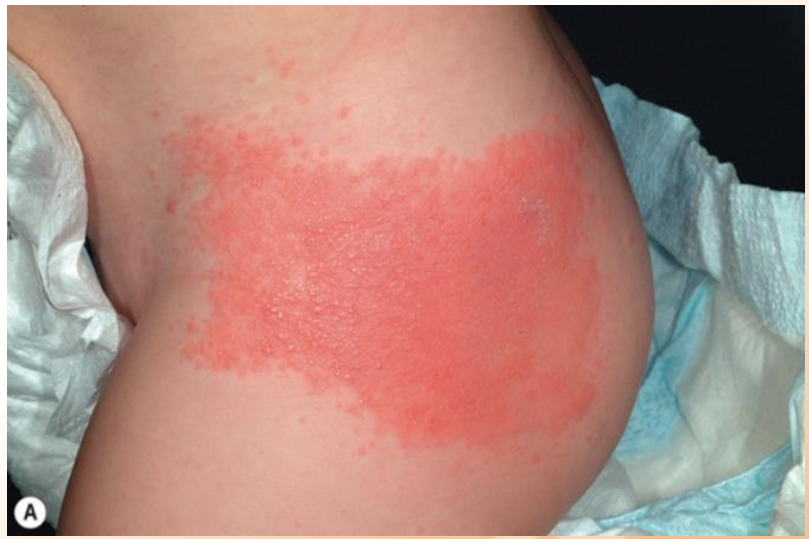
Tratamiento

No definido (faltan estudios con n grande)

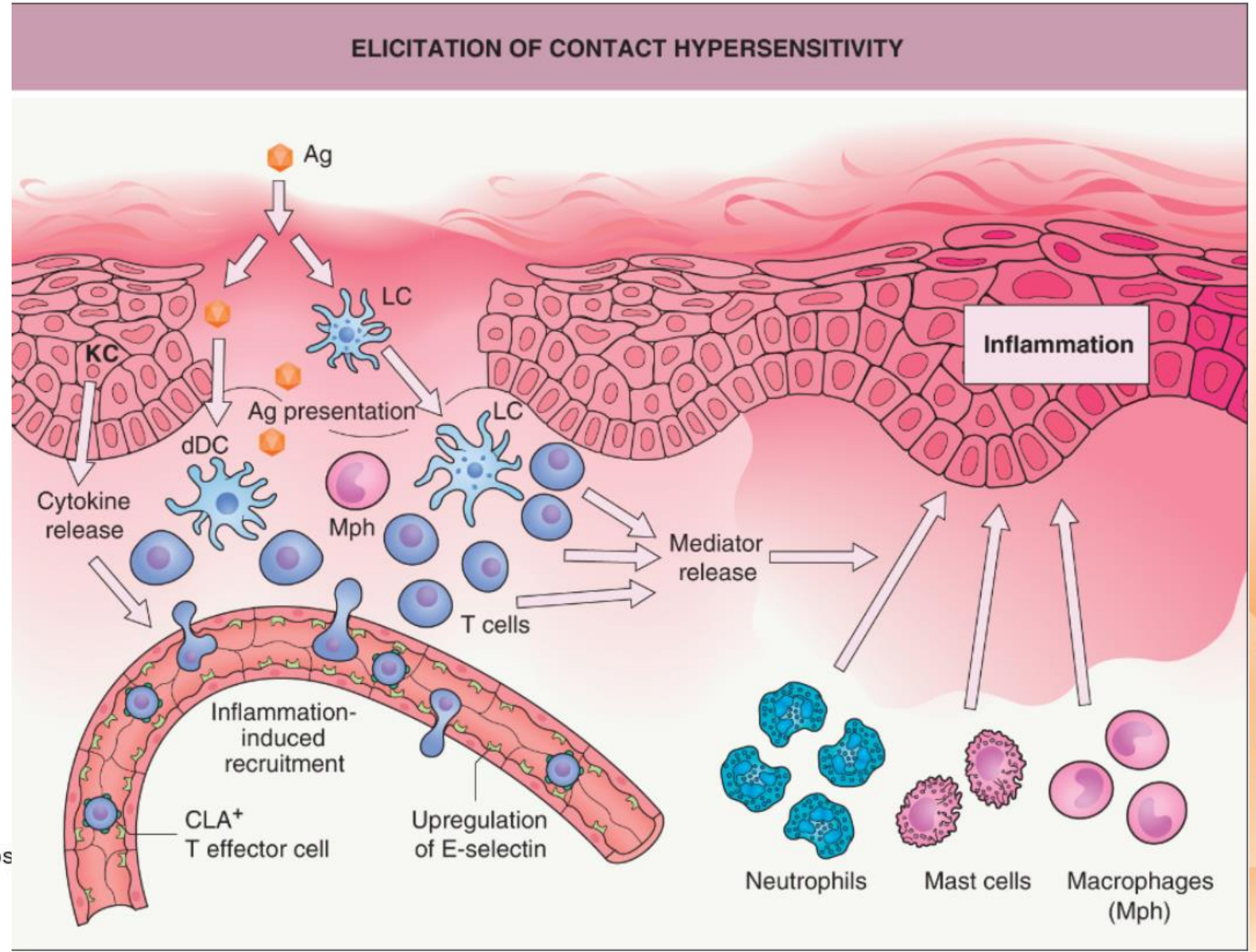
- **Evitar/proteger/sustituir el irritante**
- CTCs tópicos (↓ inflamación, puede comprometer fx. barrera)
- CTCs orales (no crónico)
- UVBb/PUVA formas crónicas
- Formas muy queratósicas: retinoides (acitretina, alitretinoina), inmunosupresores.

Eczema alérgico

- Placa eritematosa bien definida, vesiculosa y/o descamativa en la zona de contacto



- Hipersensibilidad IV (Sens. previa)
- A todas las edades
- Possible coexistencia con DCI y eczema endógeno
- **Patch test** es gold standard

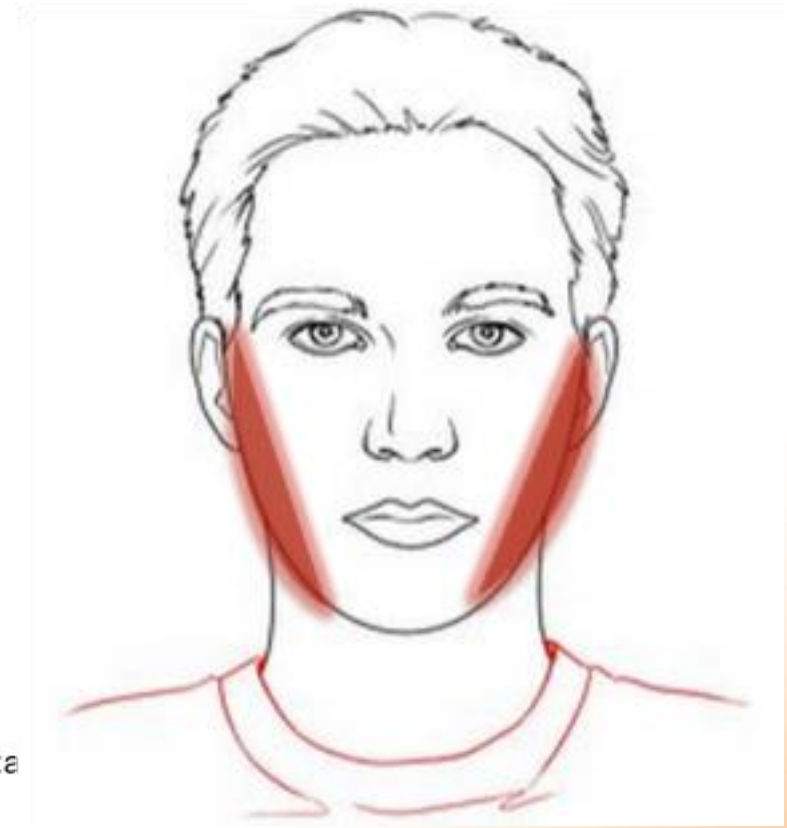

ELICITATION OF CONTACT HYPERSENSITIVITY
Ag
LC
KC
Inflammation
Ag presentation
LC
dDC
Cytokine release
Mph
Mediator release
T cells
Inflammation-induced recruitment
CLA+ T effector cell
Upregulation of E-selectin
Neutrophils
Mast cells
Macrophages (Mph)

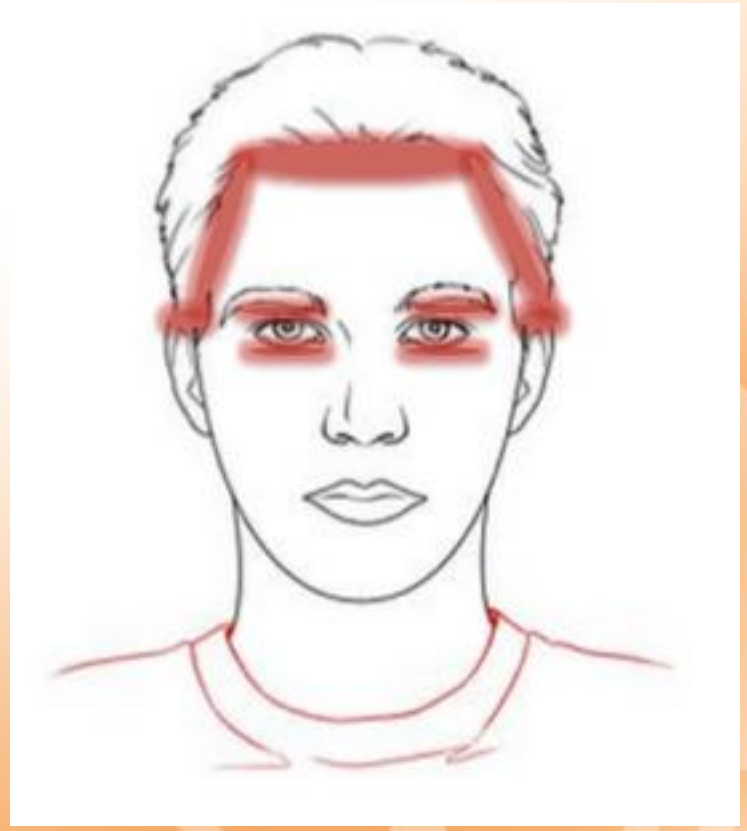
Cuero cabelludo

- > grosor epidermis
- Abundancia gl pilo-sebáceas
- Ausencia de pliegues y arrugas

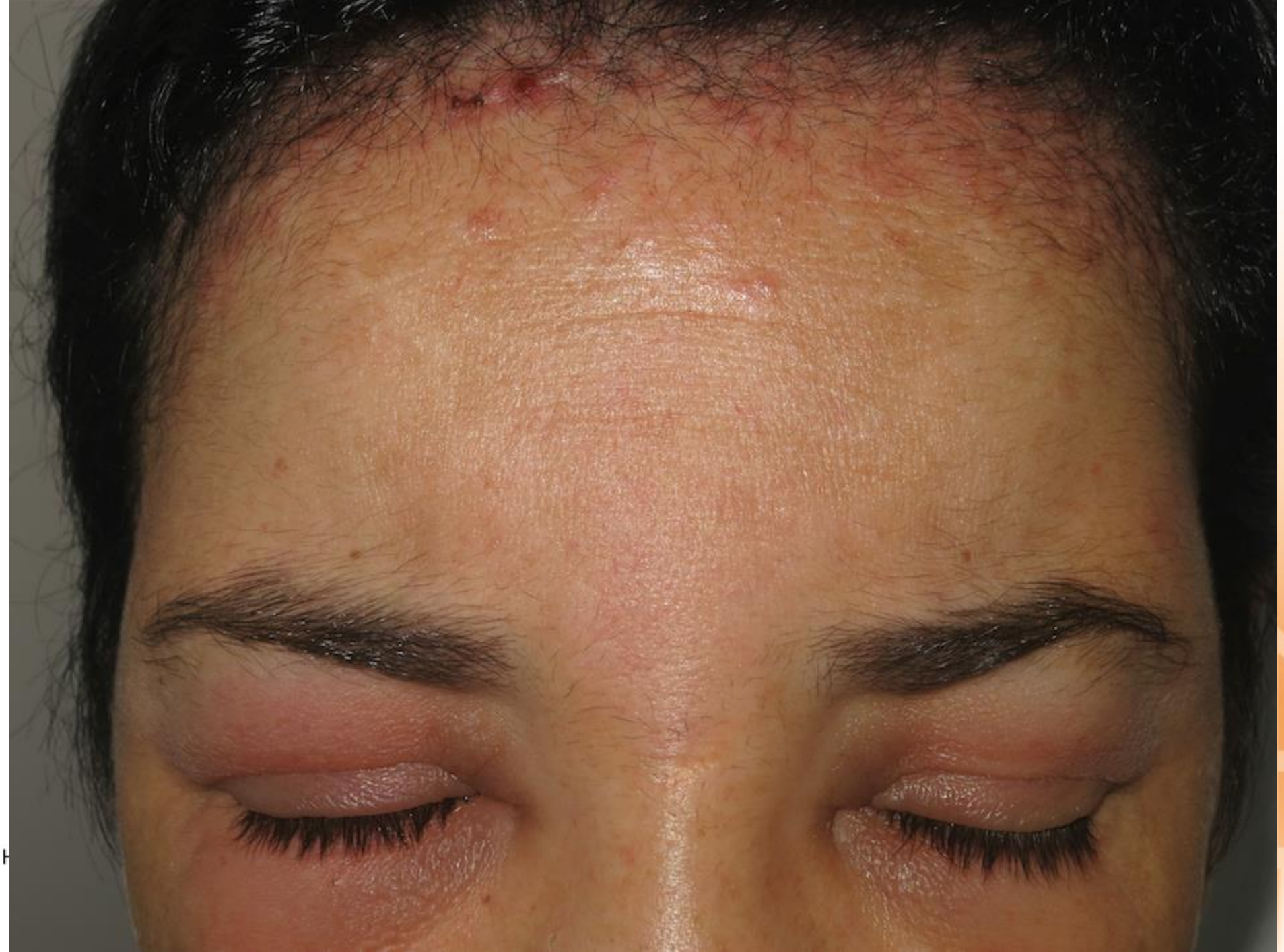
DCA del cuero cabelludo es poco frecuente aún cuando se aplique un alérgeno potente

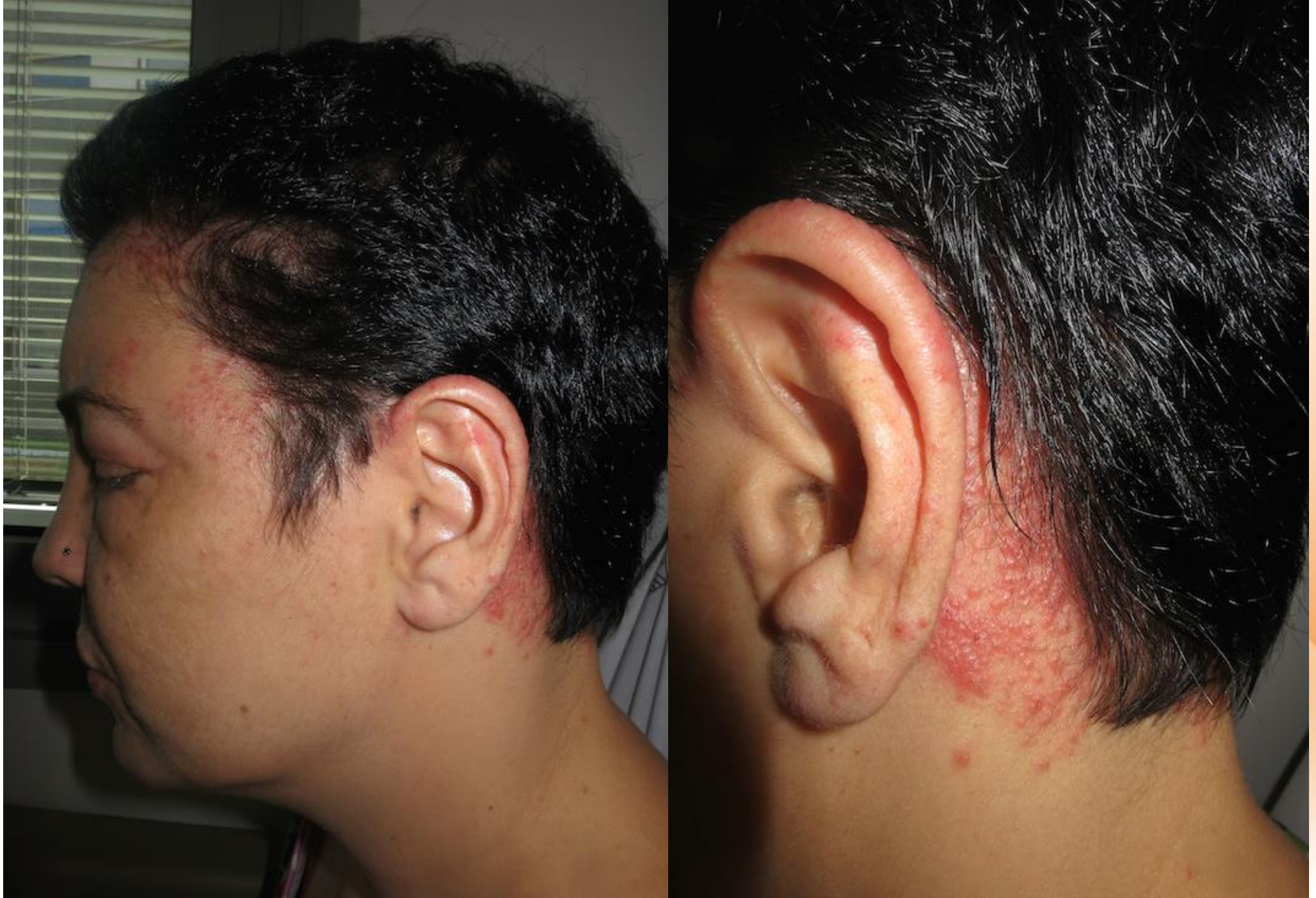
Cuero cabelludo

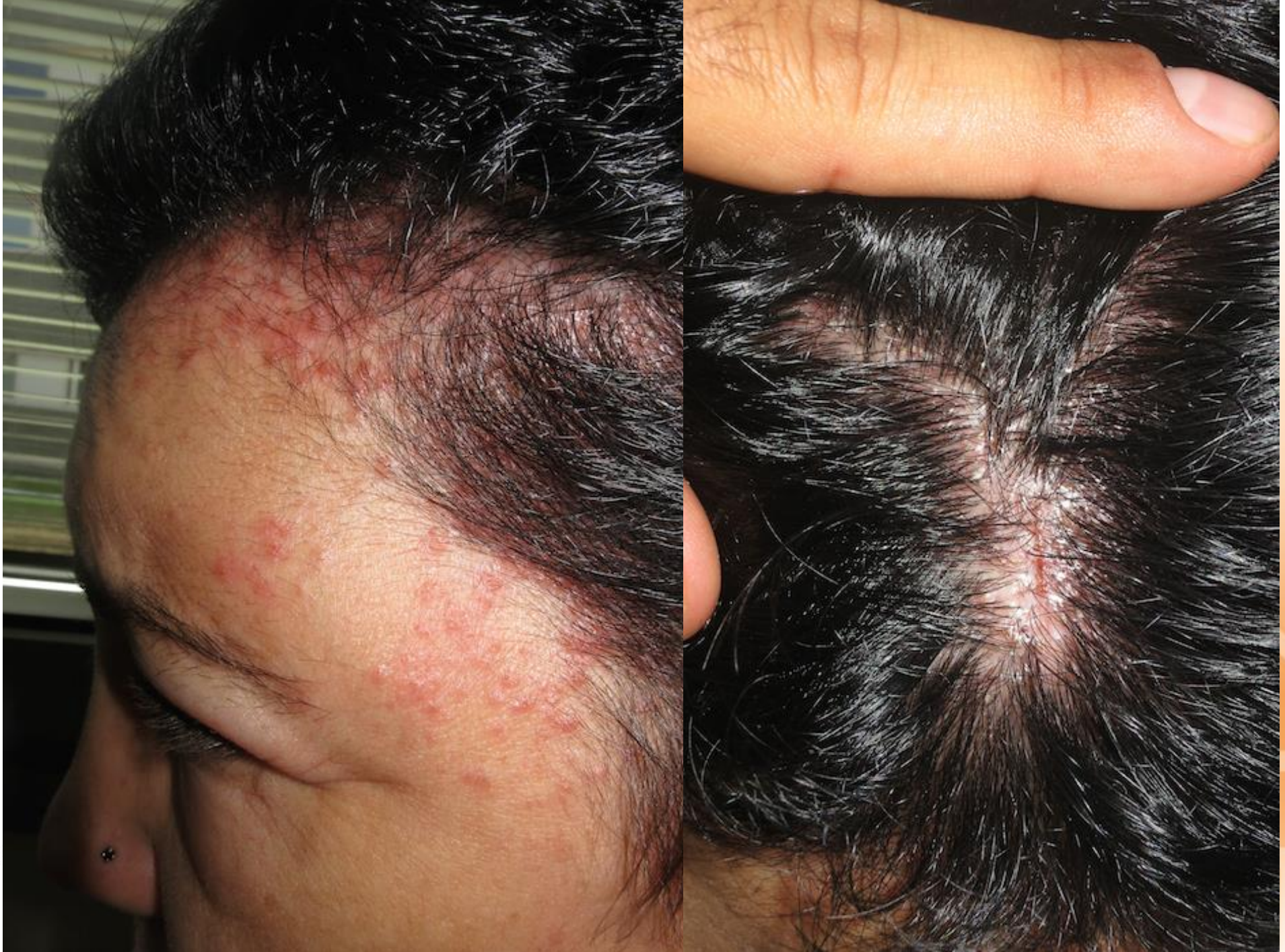




Hospita





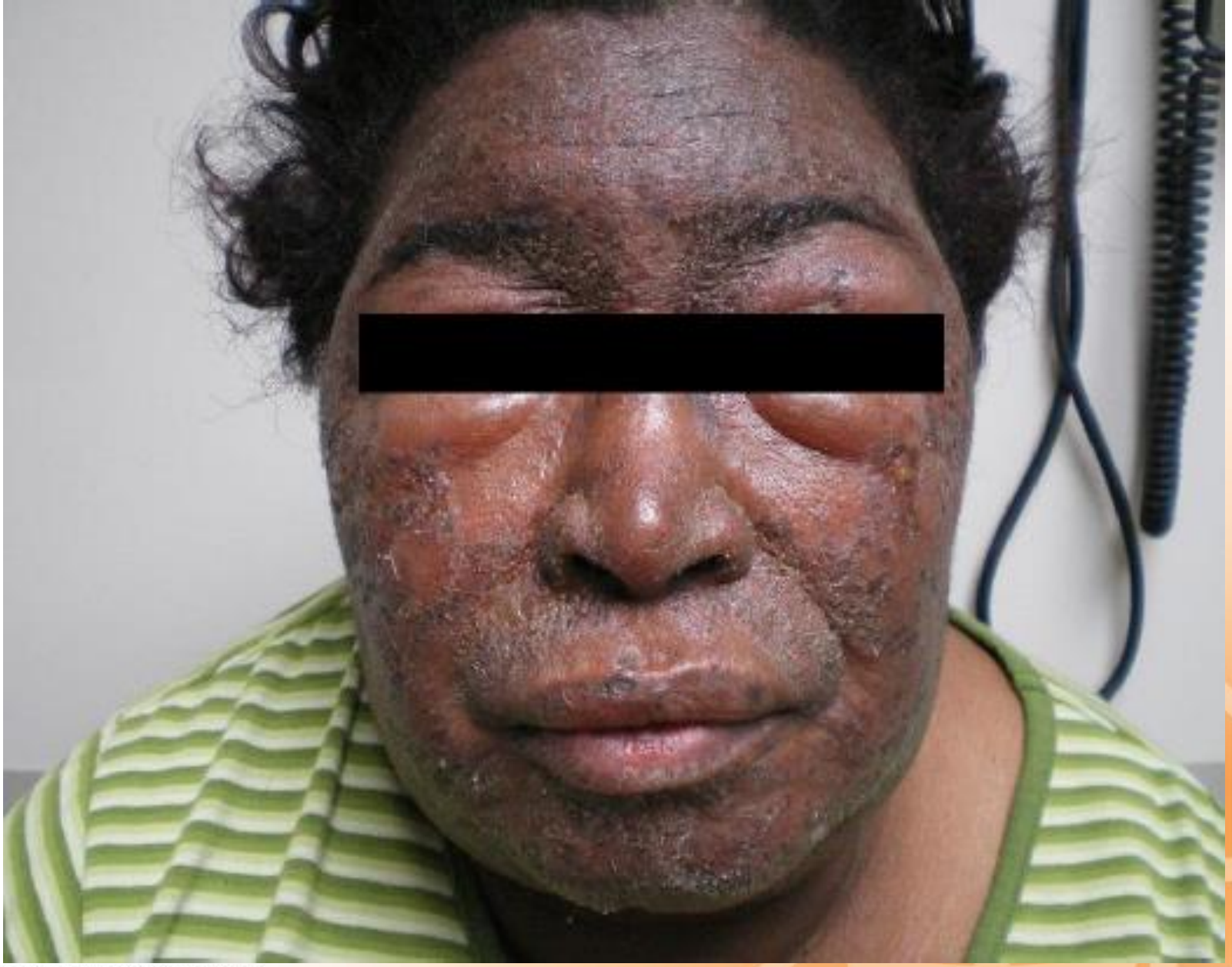


Cuero cabelludo

Patch test results in patients with scalp dermatitis: analysis of data of the Information Network of Departments of Dermatology*

Contact Dermatitis 2007: 56: 87–93

- Tintes→PPD
- Shampoos y acondicionadores
- Medicamentos
- Adhesivos de pelucas
- objetos



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Dermatitis de Contacto por PPD

Eczema de contacto facial

Formas de aplicación alérgenos

- Directamente
- Indirectamente
- Aerotransportado

Eczema de contacto facial

Directamente:

- Cosméticos
- Objetos

Eczema de contacto facial

Directamente:

- Cosméticos
- Objetos

Actas Dermosifiliogr. 2009;100:53-60

ORIGINALES

Dermatitis alérgica de contacto por cosméticos

C. Laguna, J. de la Cuadra, B. Martín-González, V. Zaragoza, L. Martínez-Casimiro y V. Alegre
Servicio de Dermatología. Hospital General Universitario de Valencia. Valencia. España.

- PRODUCTOS DE HIGIENE E HIDRATACIÓN CUTÁNEA

- MAQUILLAJE

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Kathon

Dermatitis. 2013 Jan-Feb;24(1):2-6. doi: 10.1097/DER.0b013e31827edc73.

Methylisothiazolinone.

Castanedo-Tardana MP[1], Zug KA.

⊕ **Author information**

Abstract

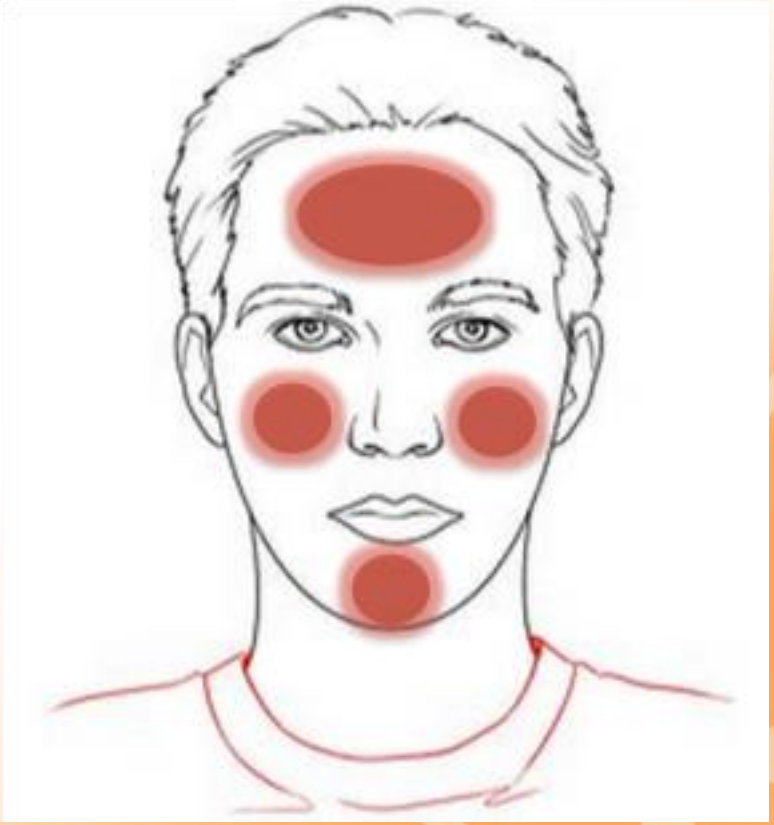
The preservative methylisothiazolinone (MI) is the American Contact Dermatitis Society Contact Allergen of the Year for 2013. Because the use of MI in cosmetics and toiletries in the United States rises, MI exposure also rises. Although it might seem likely that testing with methylchloroisothiazolinone (MCI)/MI would be adequate to pick up contact allergy to MI alone, the mix misses approximately 40% of allergy to MI, likely because of the low concentration of MI in the MCI/MI combination patch test. In Europe, several groups have documented frequency of allergy to this preservative of approximately 1.5%. The frequency of allergy to this preservative in the United States is unknown. If you are not testing for allergy to this preservative, you may be overlooking the importance of a very relevant preservative allergen that, to date, has managed to stay under the radar in the United States. This report reviews the background and reasons for adding MI to our routine screening patch testing series.

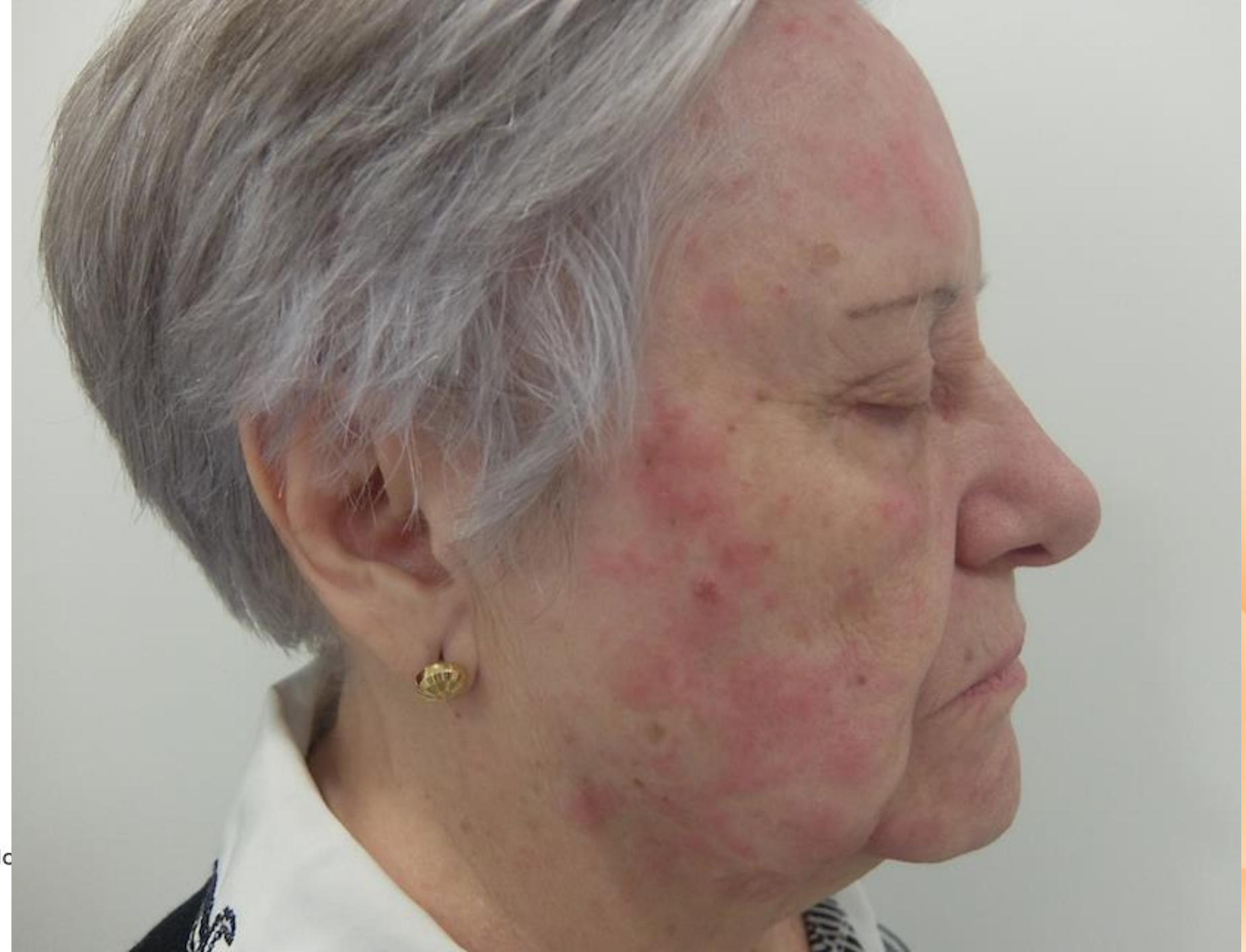
ALERGÉNO DEL AÑO 2013

Eczema de contacto facial

Directamente:

- Cosméticos
- Objetos





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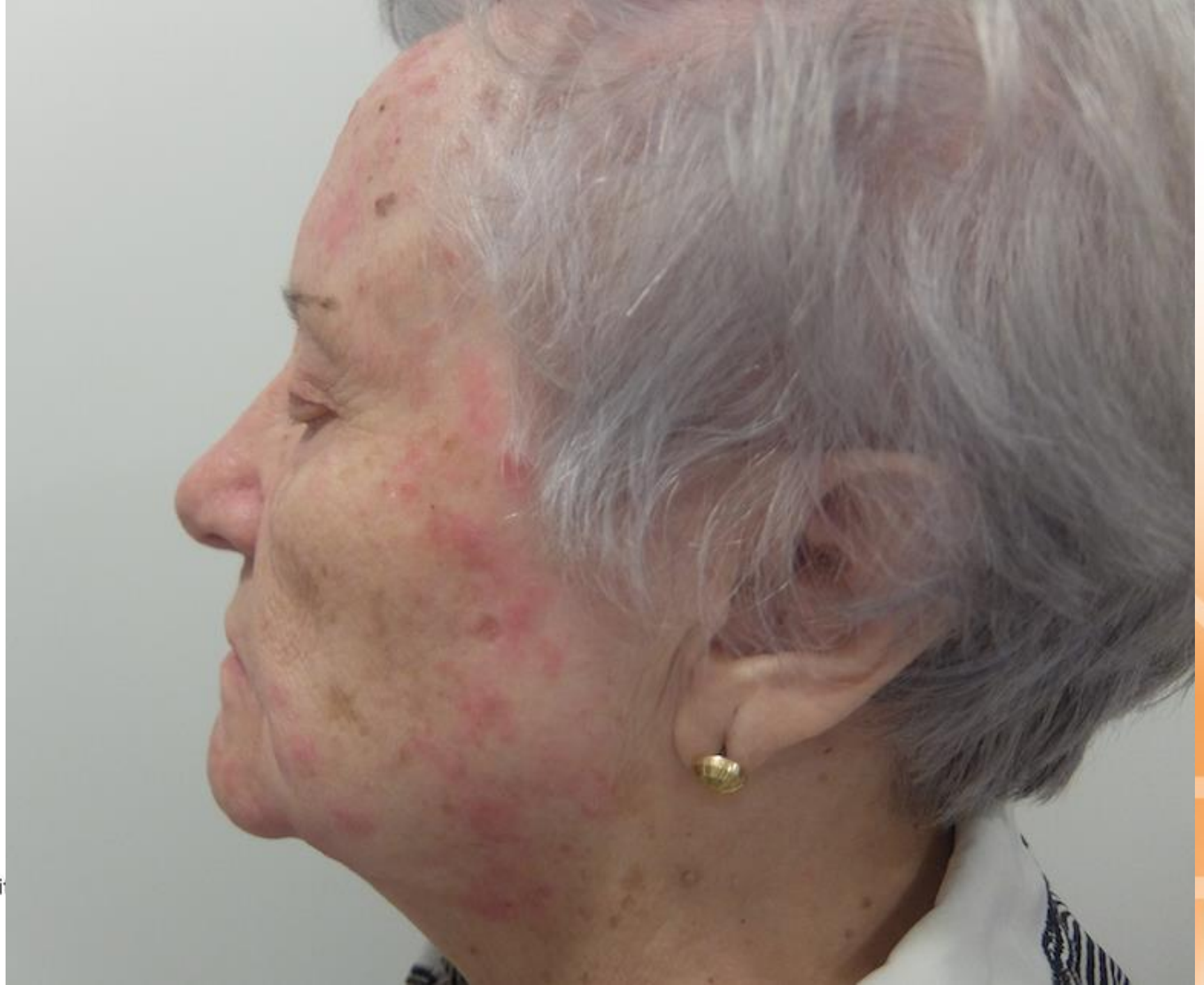

Hospi

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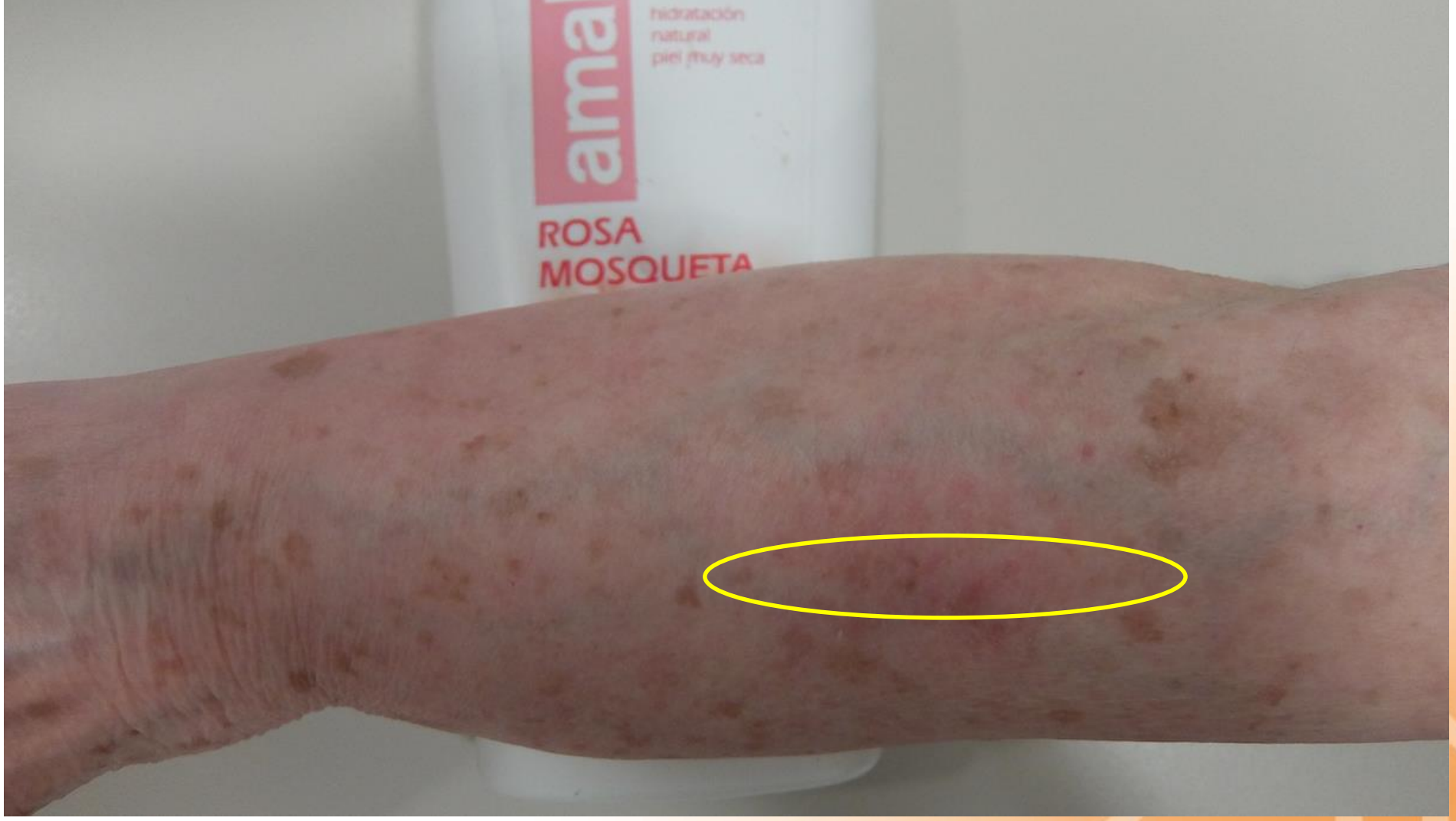
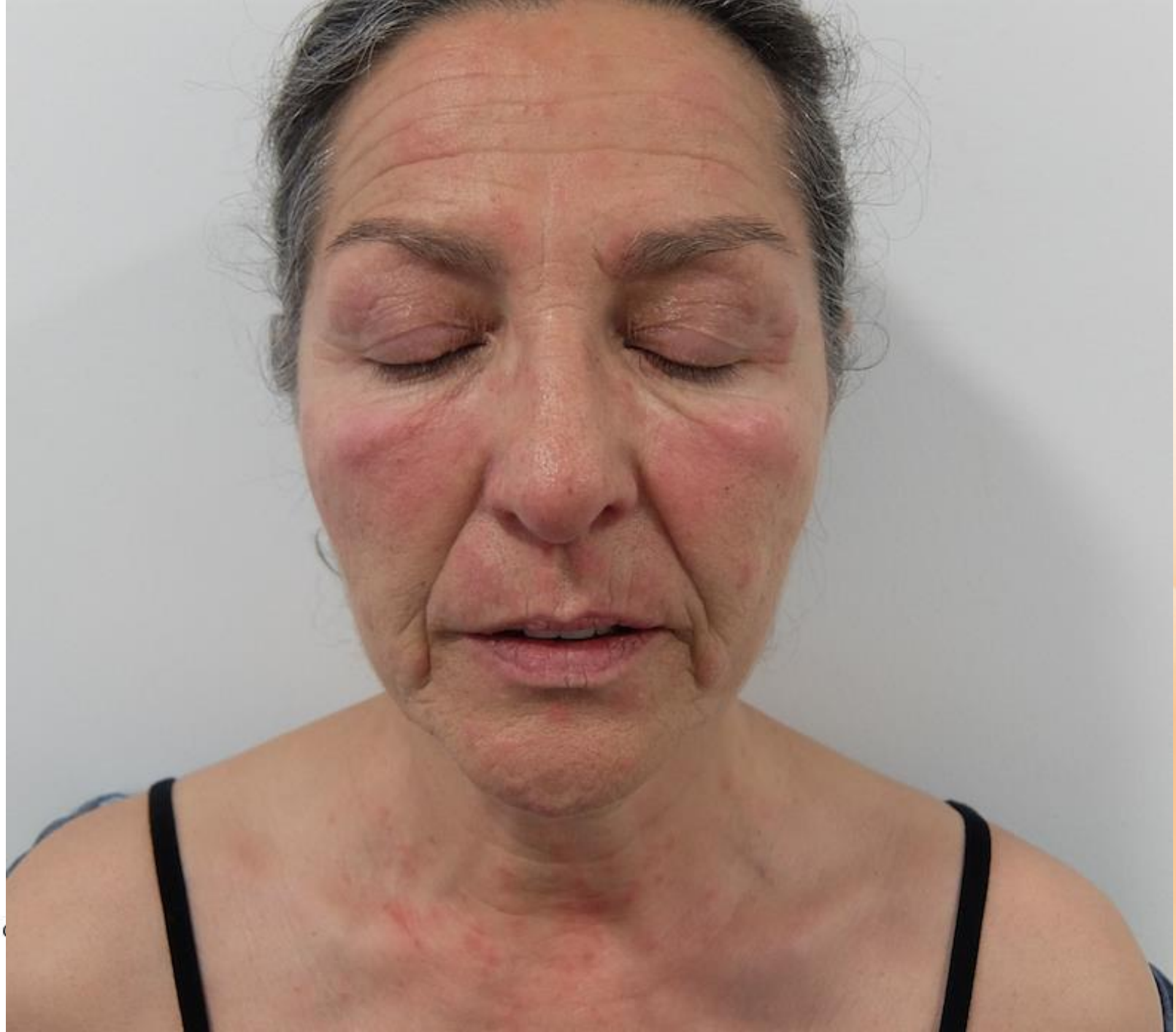
KATHON+++



ROAT test ++


hidratación
natural
piel muy seca
BODY MILK ROSA MOSQUETA
INGREDIENTES/INGREDIENTS:
Aqua, Paraffinum liquidum, Cetyl alcohol, Glyceryl stearate, Glycerin, Ceteareth-12, Ceteareth-20, Cocoglycerides, Titanium dioxide, Parfum, Sodium polyacrylate, Ethylhexyl stearate, Trideceth-6, Rosa moschata oil, Methylchloroisothiazolinone, Methylisothiazolinone, Hexyl cinnamal, Citronellol, Geraniol, Benzyl salicylate, Alpha-Isomethyl ionone, Linalool, Butylphenyl methylpropional.
500ml e
16,9 fl. Oz.
Romar



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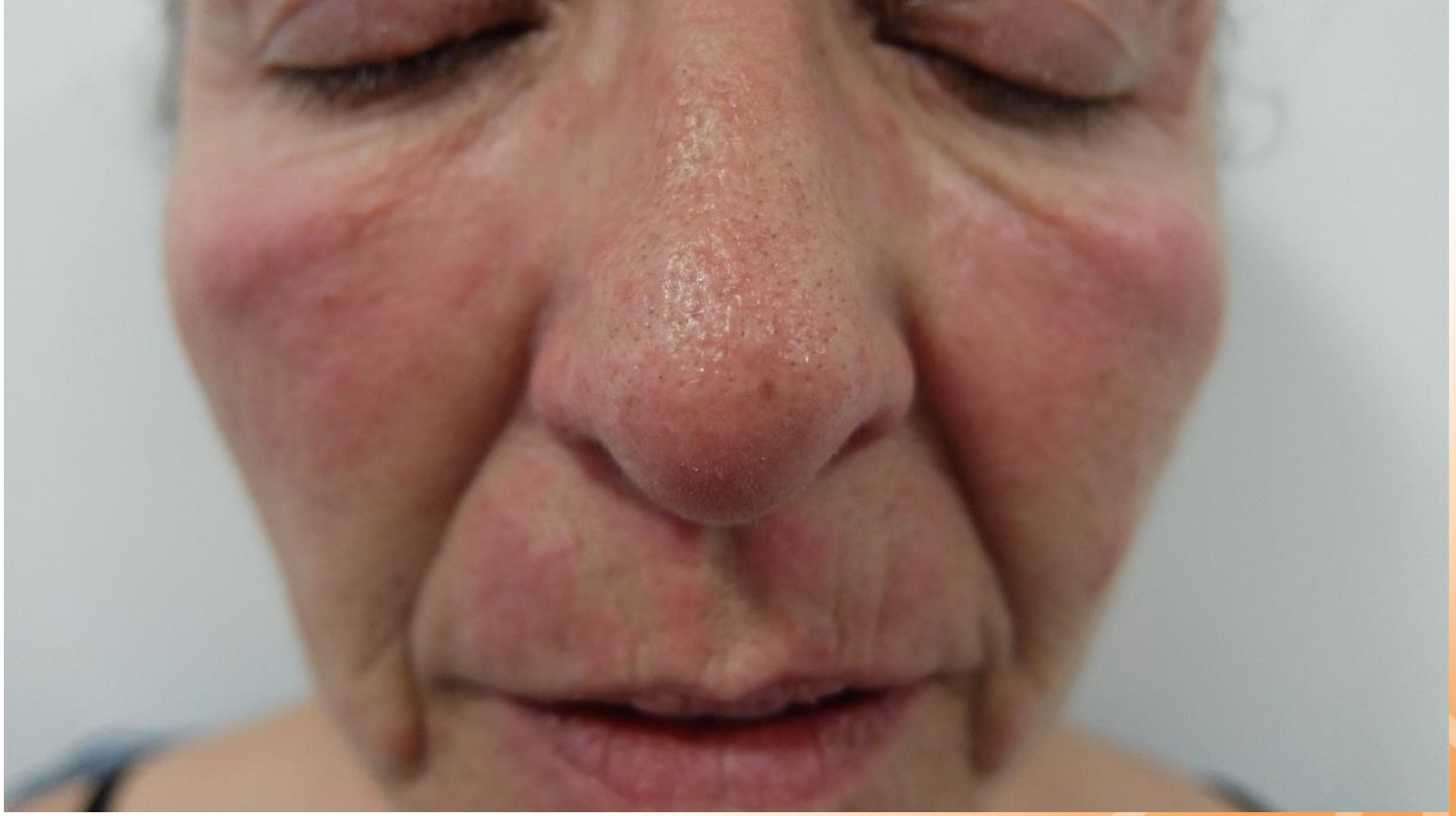

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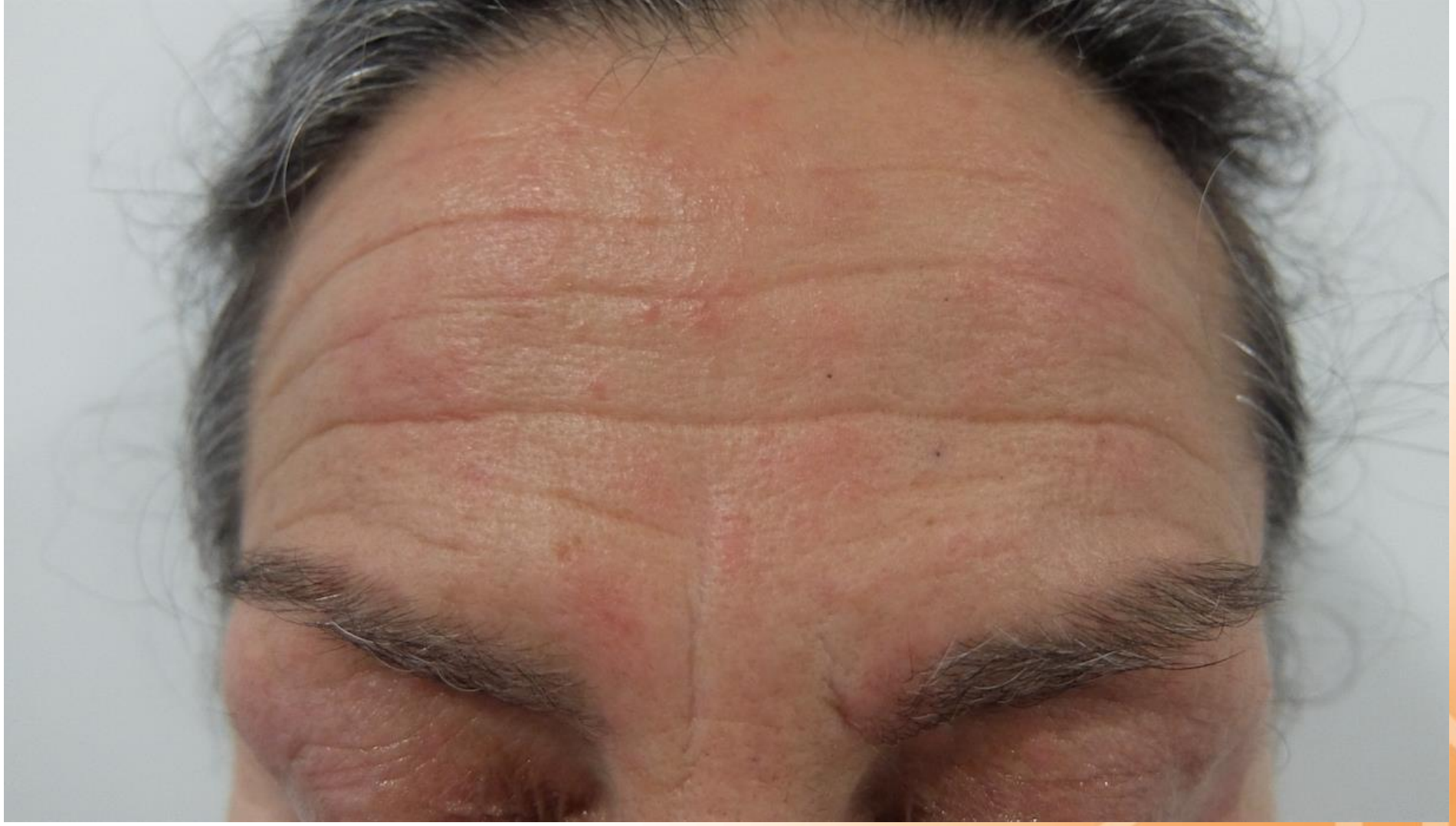

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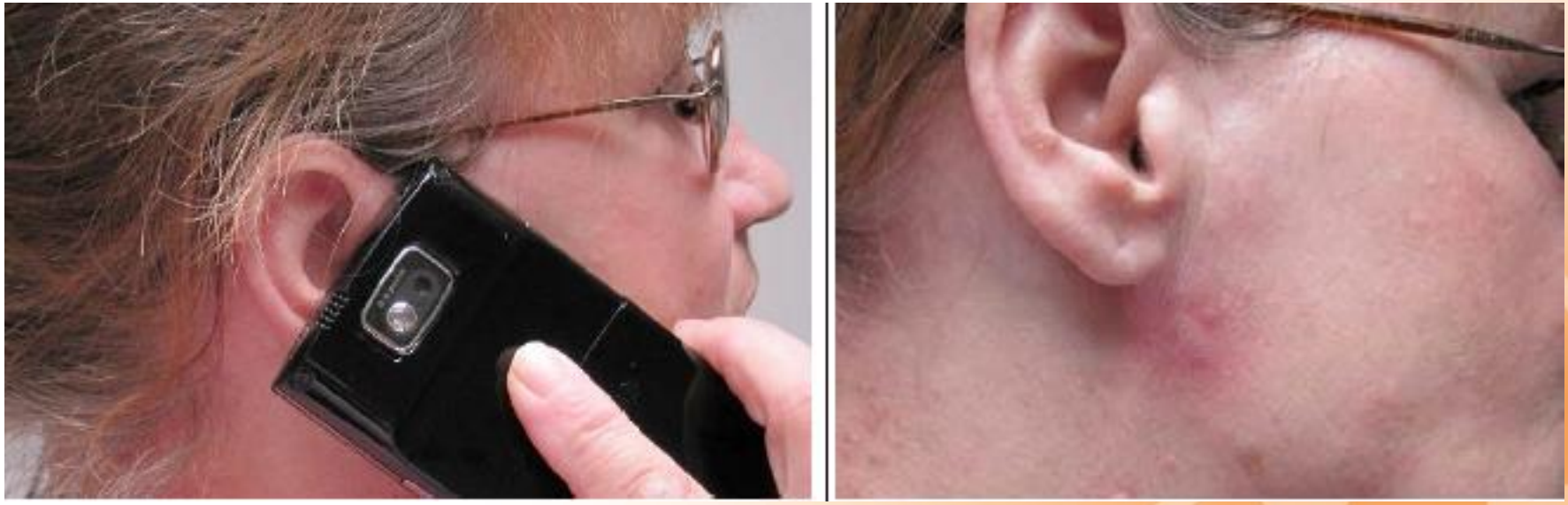
Kathon +++

Eczema de contacto facial



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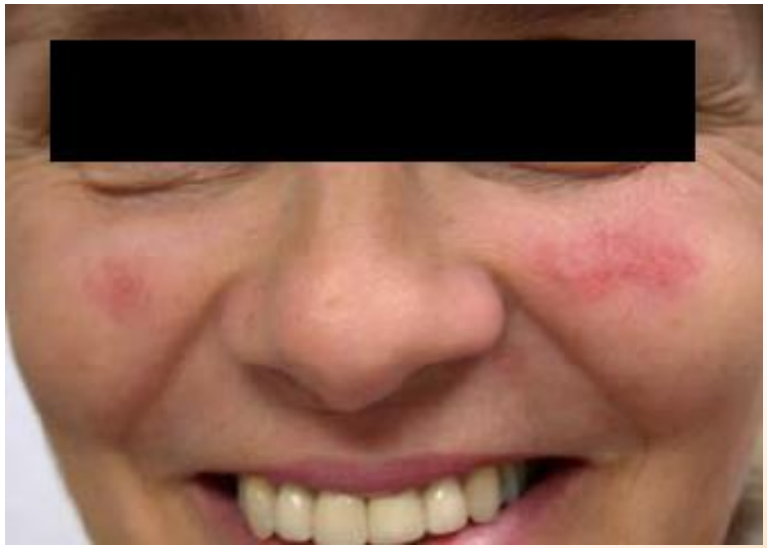
DAC por Níquel y Cromo en teléfonos

Eczema de contacto facial

Directamente:

- Cosméticos
- Objetos



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DAC por Niquel en gafas

Eczema de contacto facial

Formas de aplicación Alergénos

- Directamente
- **Indirectamente**
- Aerotransportado

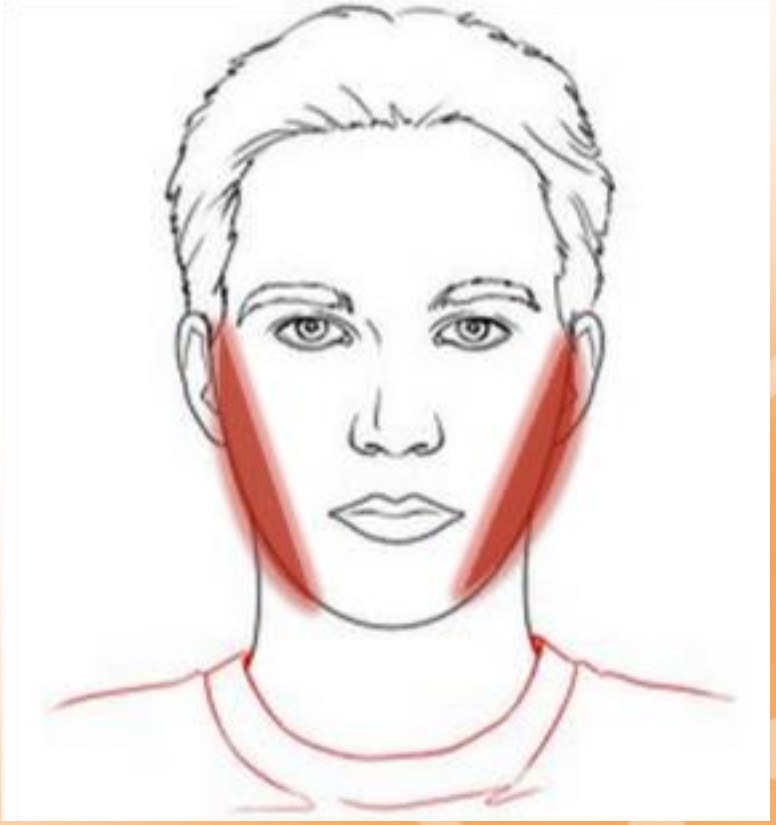
Eczema de contacto facial

Indirectamente:

- cosméticos: Capilares

Patrón wash off

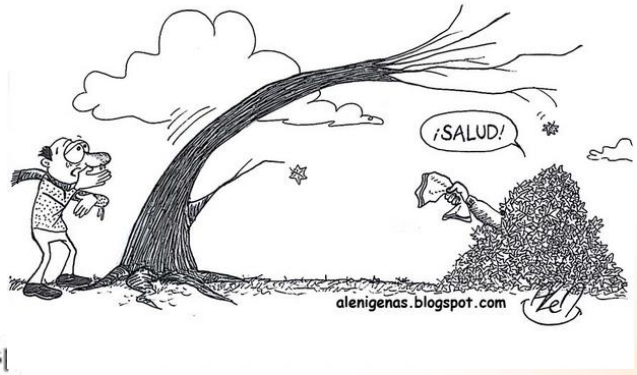
Periferia de la cara
Región preauricular
submentoniana
mandibular



Eczema de contacto facial

Formas de aplicación Alergénos

- Directamente
- Indirectamente
- **Aerotransportado**



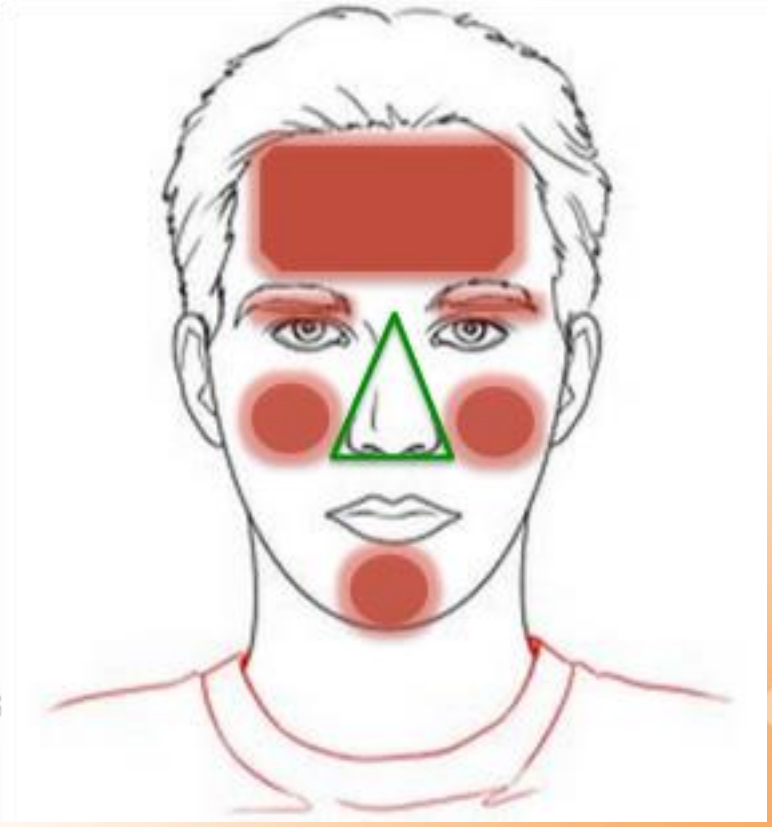
Hosp

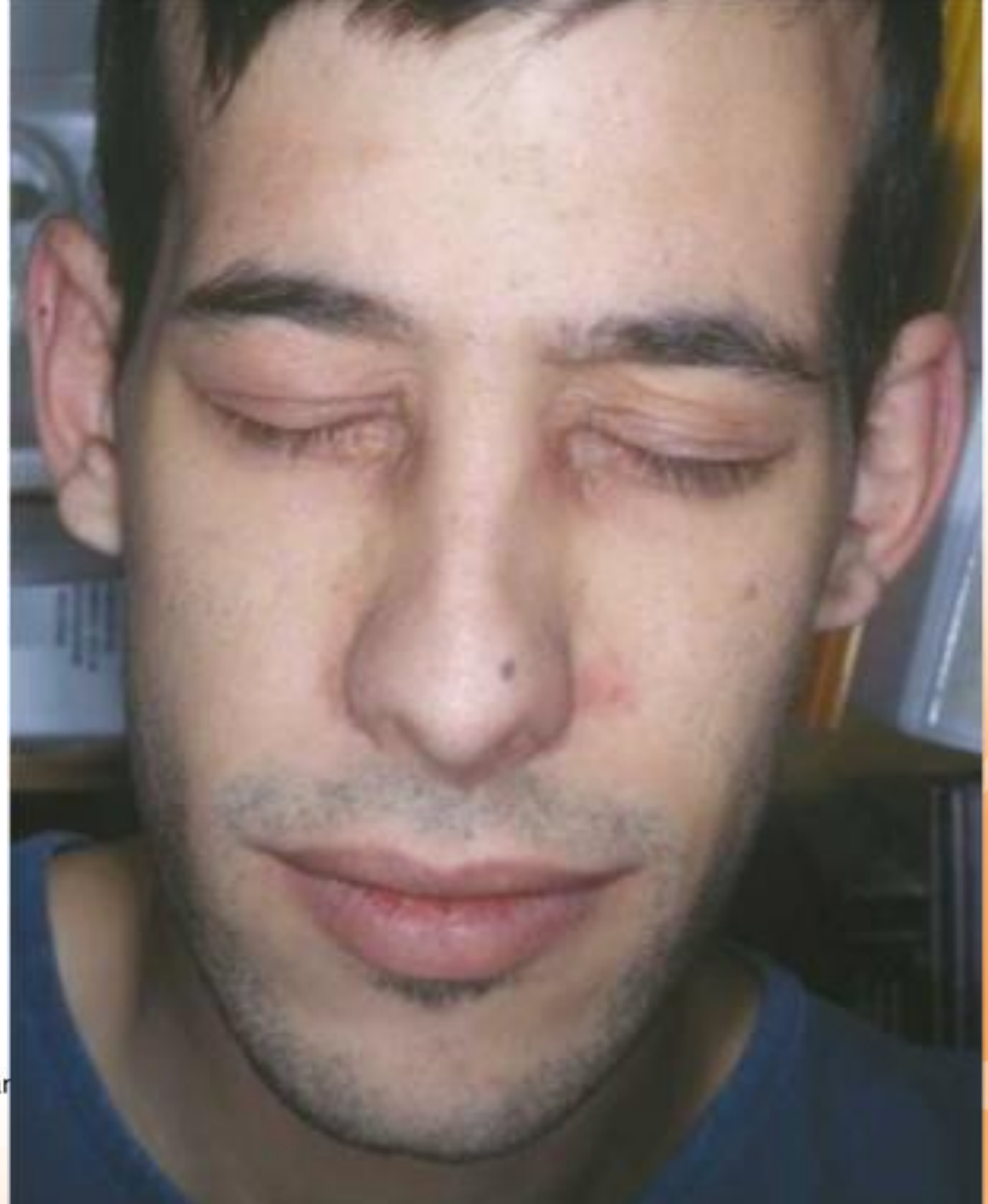
Eczema de contacto facial

Dermatitis. 2014 Mar-Apr;25(2):97-8. doi: 10.1097/DER.0b013e3182a8ada3.

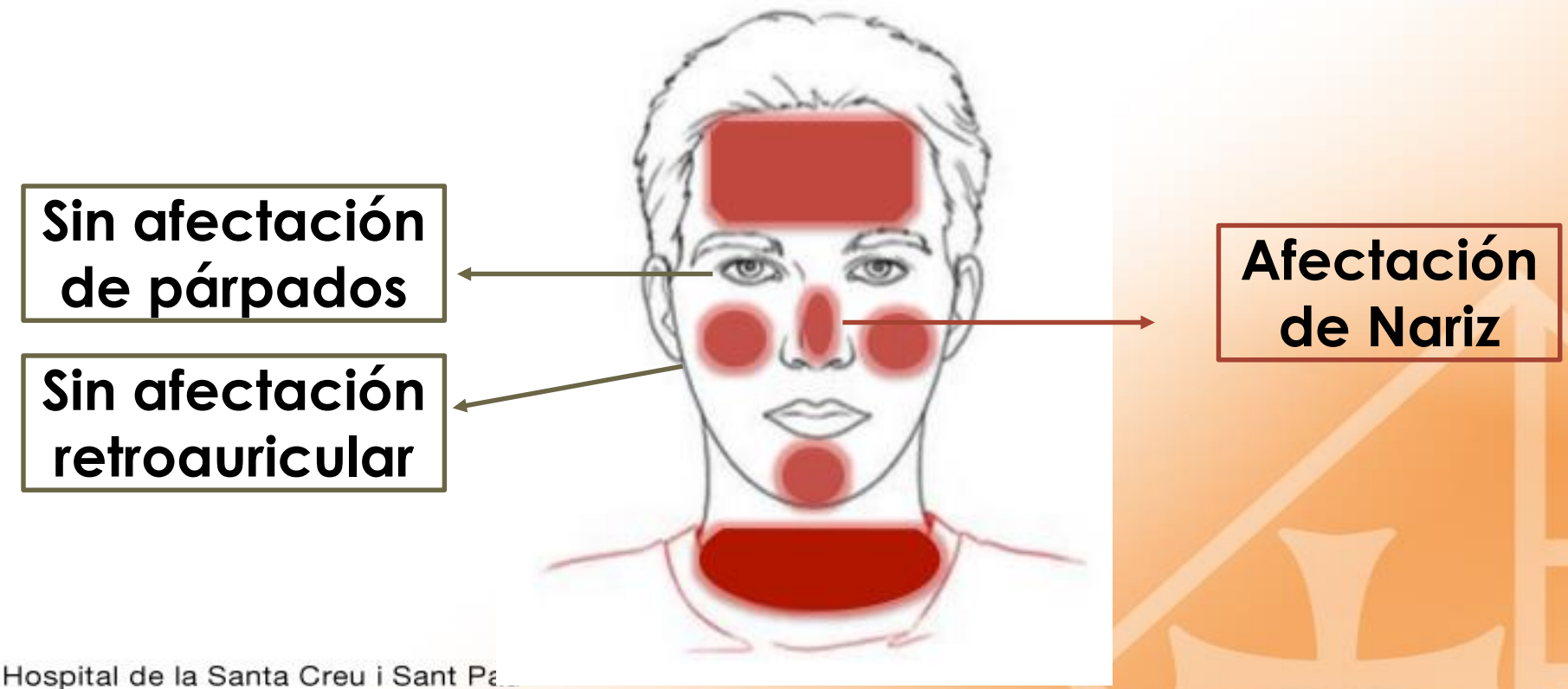
The beak sign: a clinical clue to airborne contact dermatitis.

Staser K[1], Ezra N, Sheehan MP, Mousdicas N.

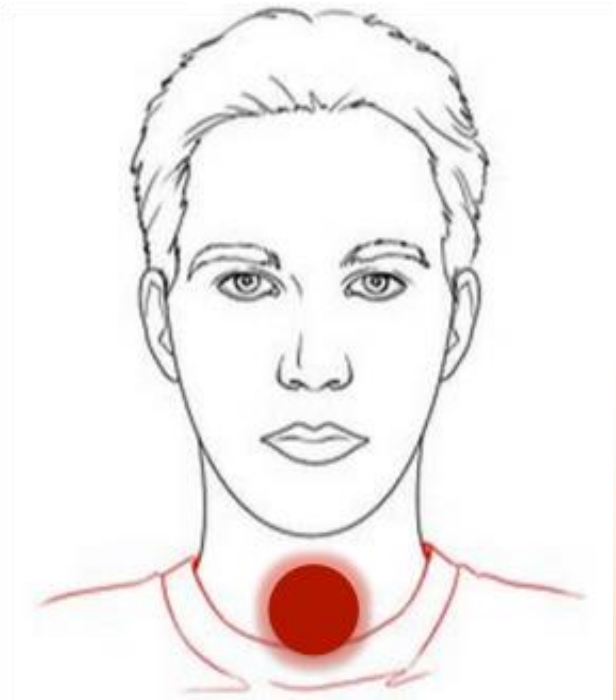




Eczema de contacto fotoalérgica



Eczema de contacto de cuello



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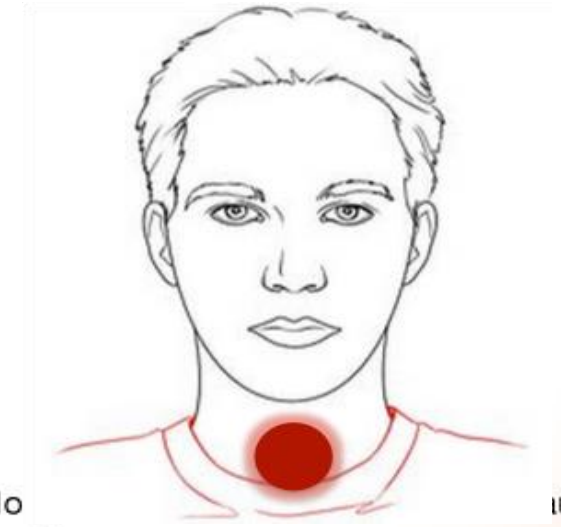
Atomizer sign

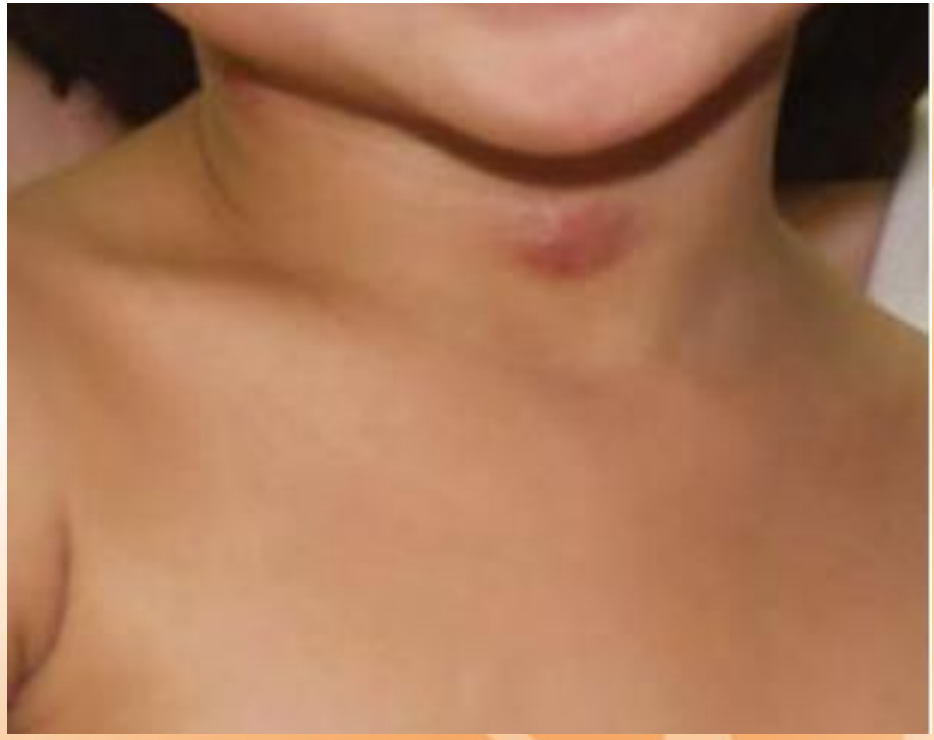
A Diagnostic Pearl in Allergic Contact Dermatitis to Fragrances: The Atomizer Sign

Sharon E. Jacob, MD; Mari Paz Castanedo-Tarden, MD

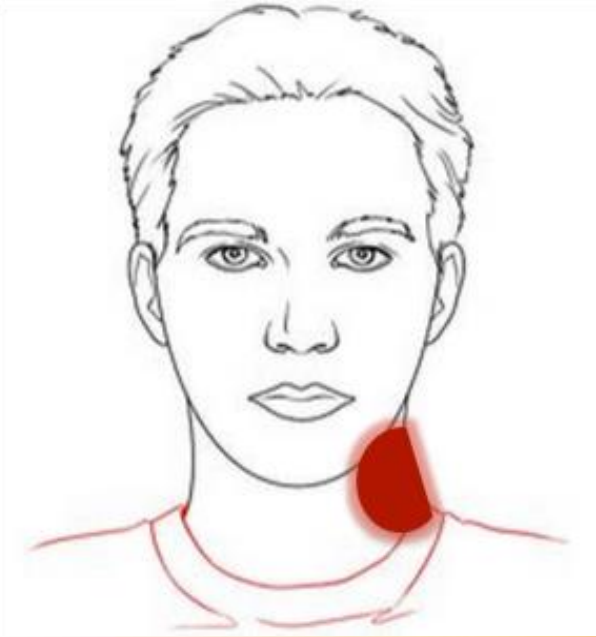


Ho ıu

Atomizer sign



Eczema de contacto de cuello

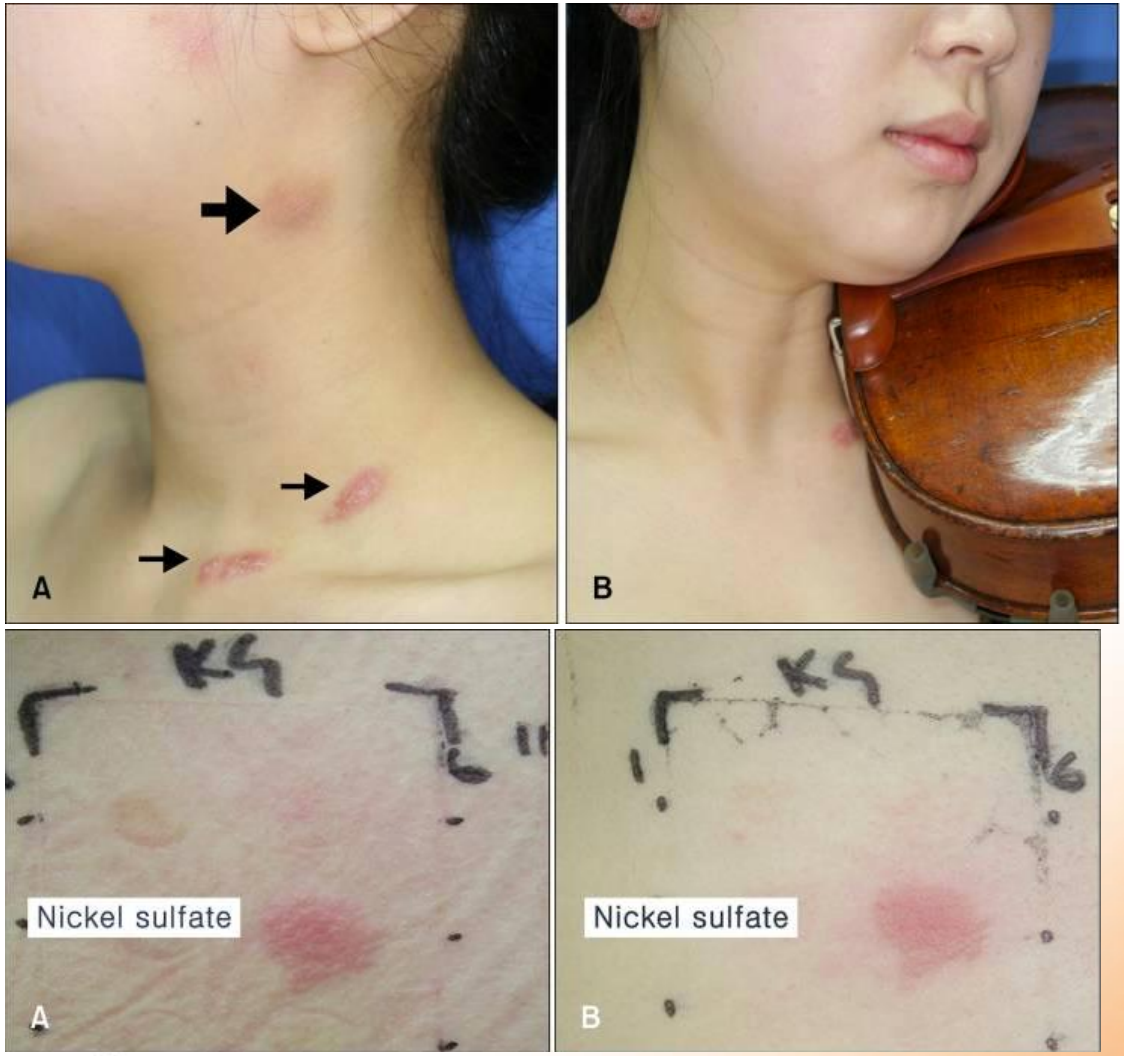


Fiddlers neck

Ann Dermatol. 2010 Feb;22(1):88-90. doi: 10.5021/ad.2010.22.1.88. Epub 2010 Feb 28.

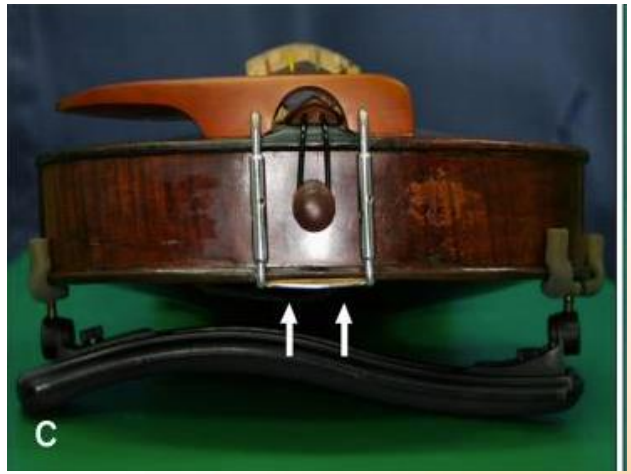
Fiddler's Neck Accompanied by Allergic Contact Dermatitis to Nickel in a Viola Player.

Jue MS[1], Kim YS, Ro YS.

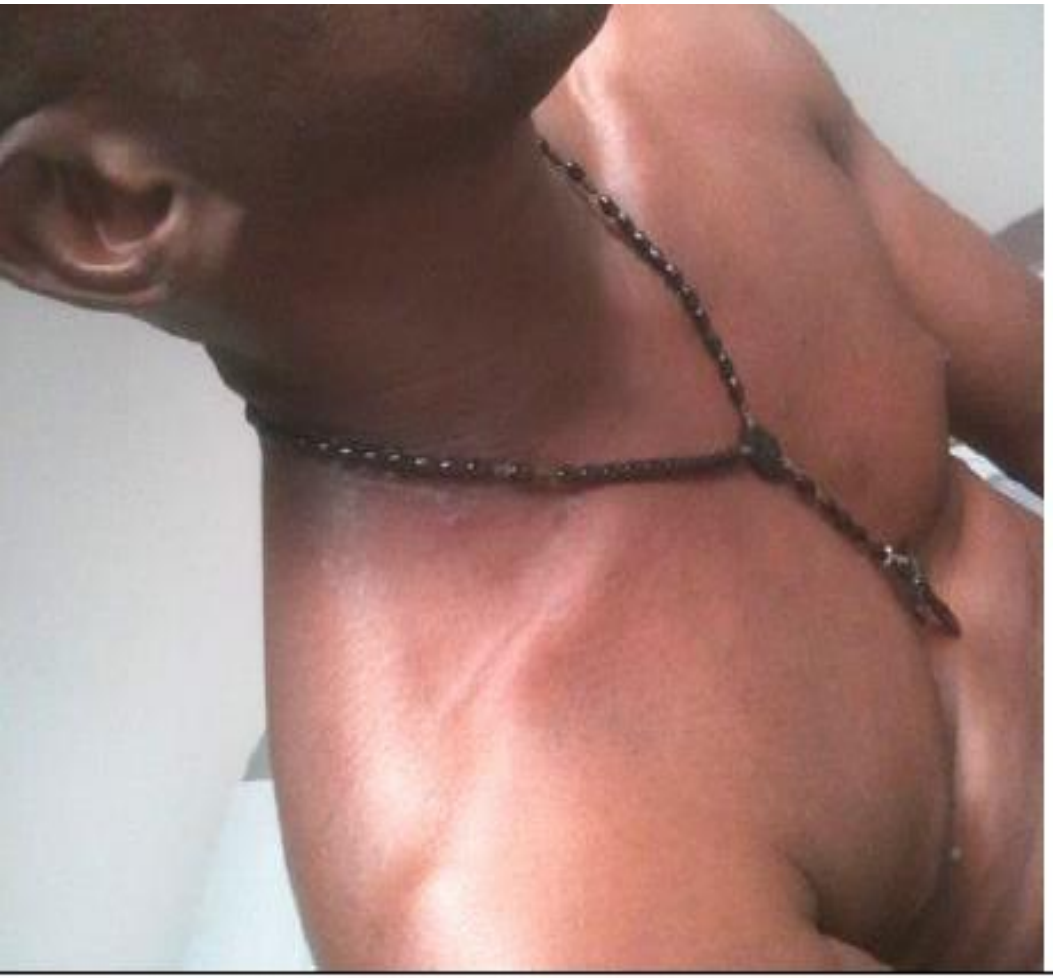


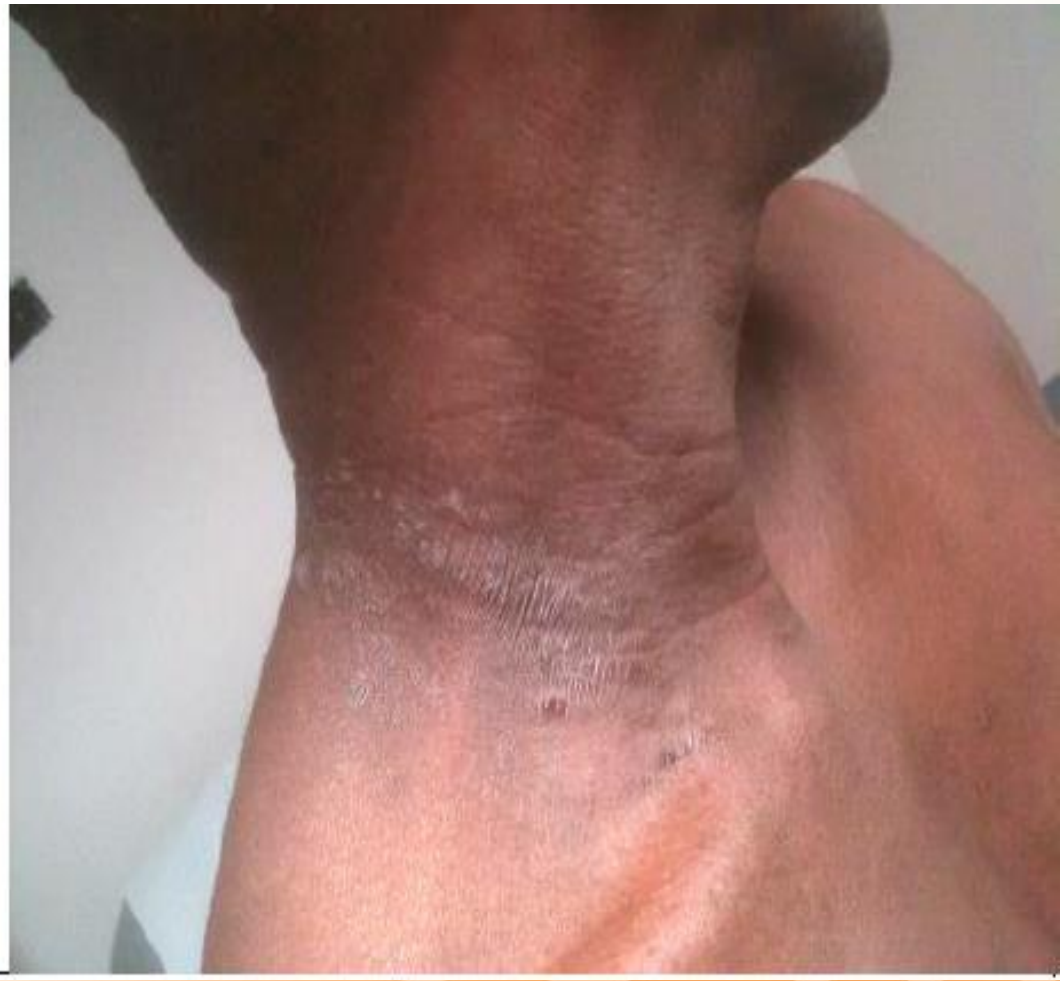
48 hrs

96 hrs



Test dimetilglioxima





DCA a níquel en collar

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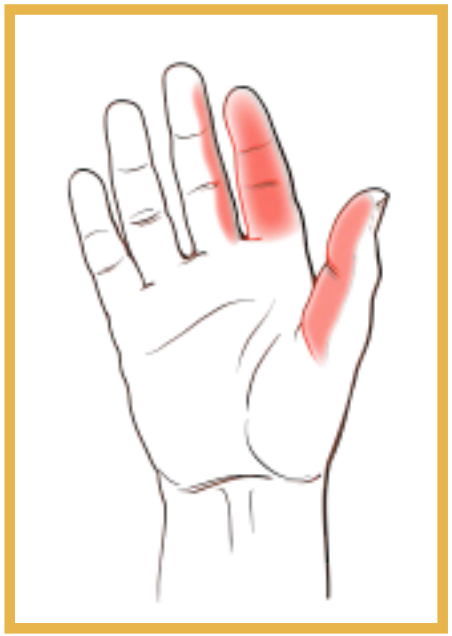
Dermatitis de contacto de manos



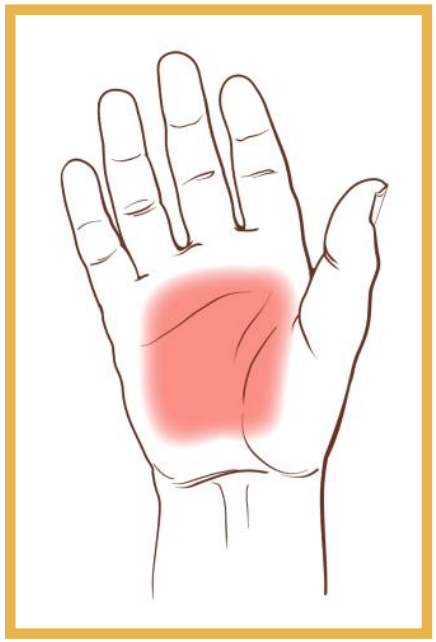
Patrón en pinza

Considerar origen ocupacional

- Tintes capilares (peluquería)
- Acrilatos (dentistas)
- Plantas (floristas)
- Ajo (cocineros)

DD:
Eccema irritativo friccional

Dermatitis de contacto de manos

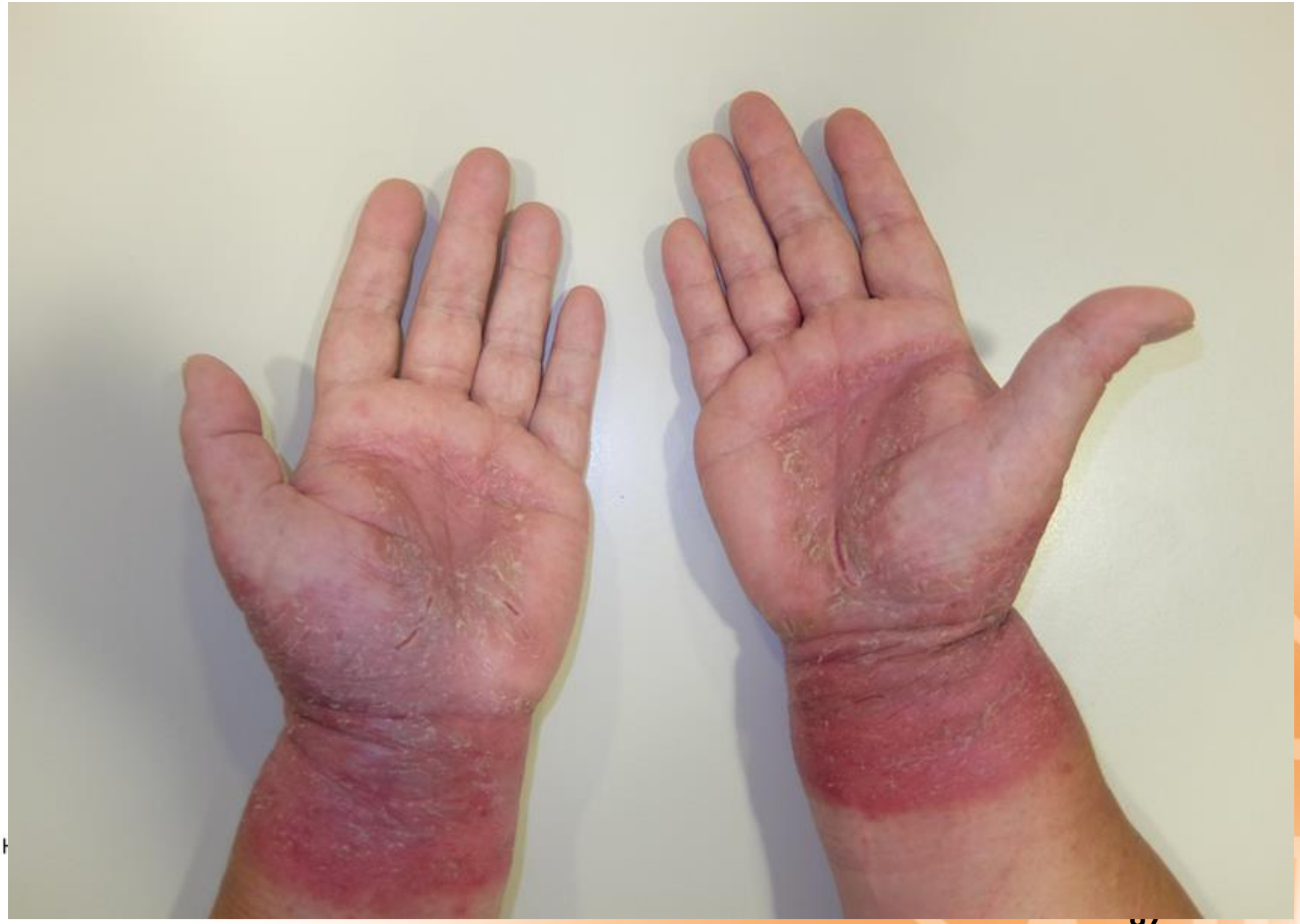


Patrón agarre palmar

Considerar
- Móviles
- Ratón ordenador
- Barandillas
- Palanca cambios etc.

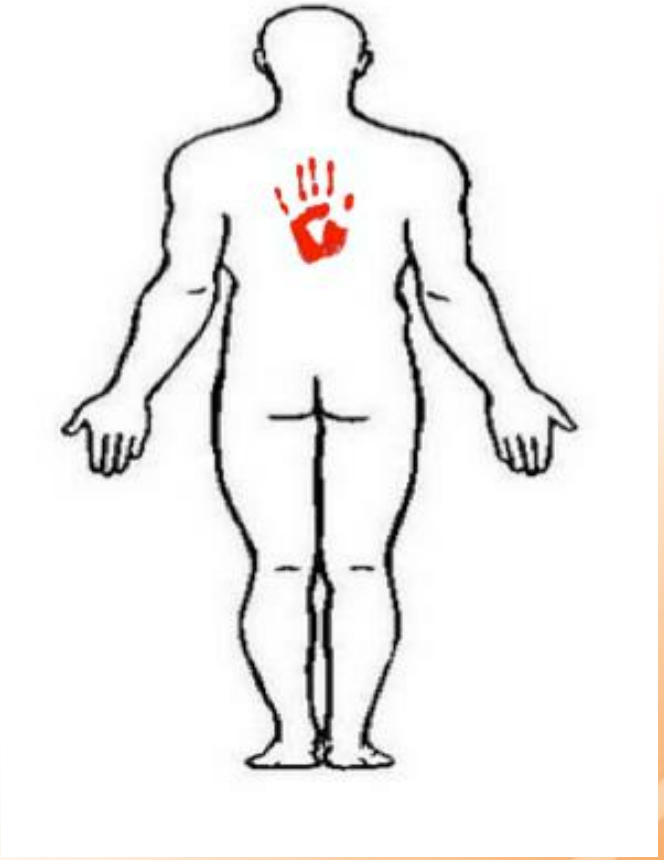
DD:
Psoriasis, Dishidrosis

DAC:
Afectación dorso y Muñecas



Prueba parche positiva 96 hrs Metilisotiazolinona

Patrón geométrico



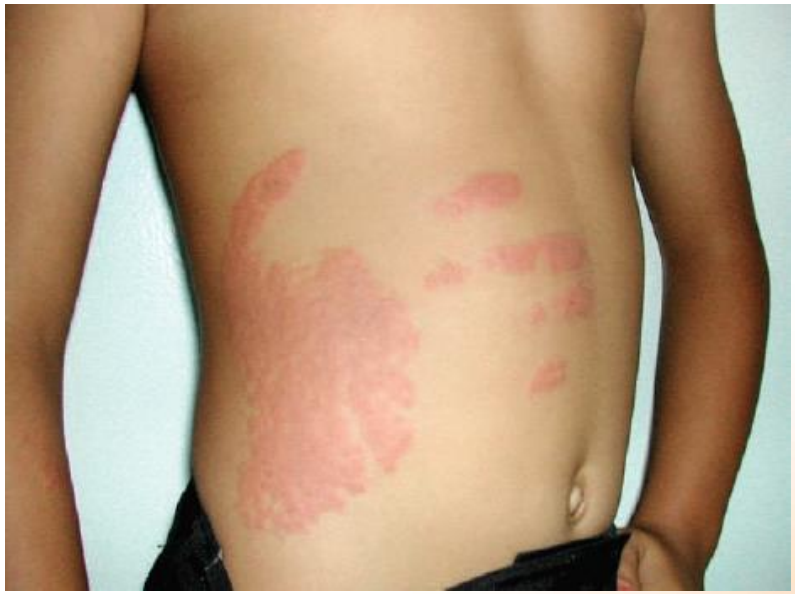
Patrón geométrico

Consort allergic dermatitis to cosmetic agents in a 10-year-old young girl

Contact Dermatitis 2007: 57: 56–57

M. Sfia, M. A. Dhaoui and N. Doss

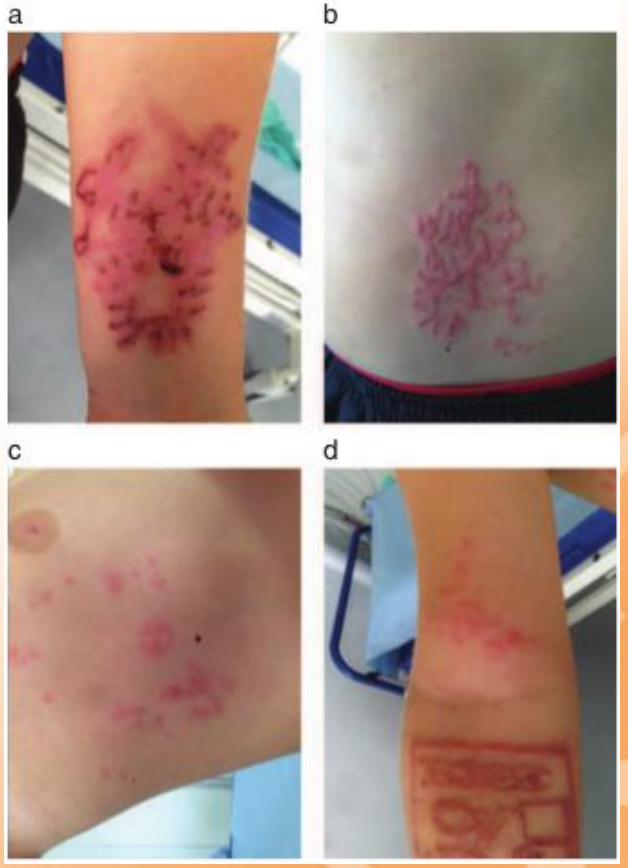
Department of Dermatology, Military Hospital of Tunis, Tunis, Tunisia

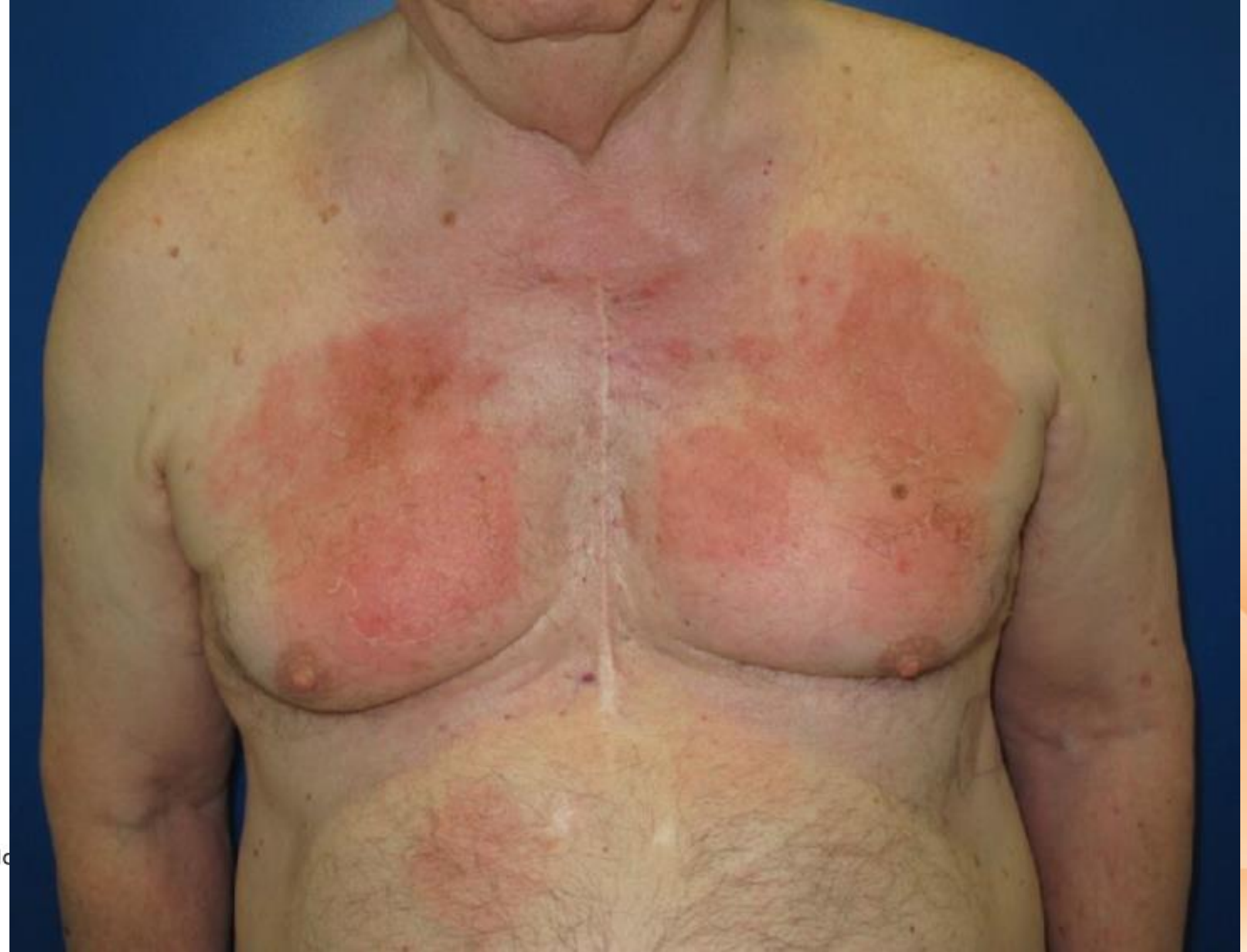


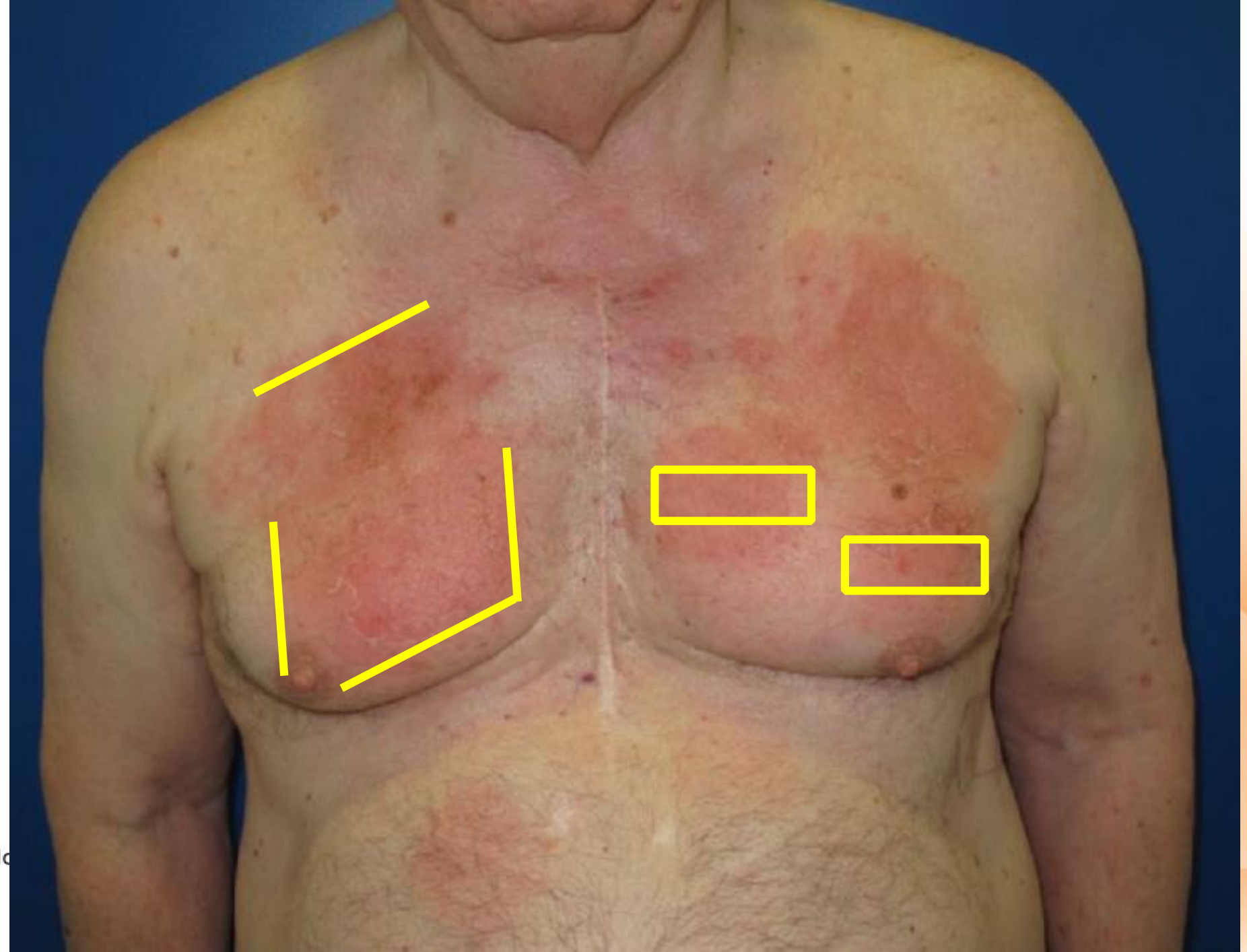
'Sign of the kiss' from black henna tattoos

Majken H. Foss-Skiftesvik, Jeanne D. Johansen and Jacob P. Thyssen

Department of Dermato-Allergology, The National Allergy Research Centre, Copenhagen University Hospital Gentofte, 2900 Hellerup, Denmark





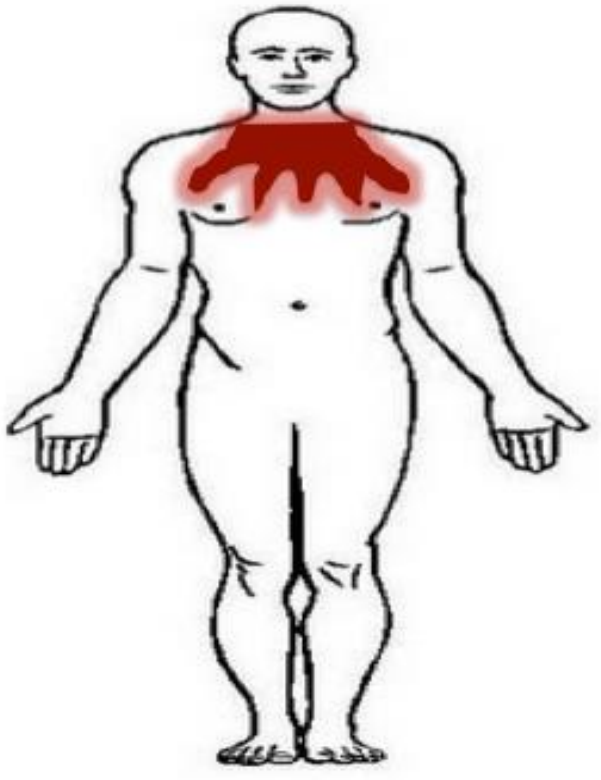


Hospi

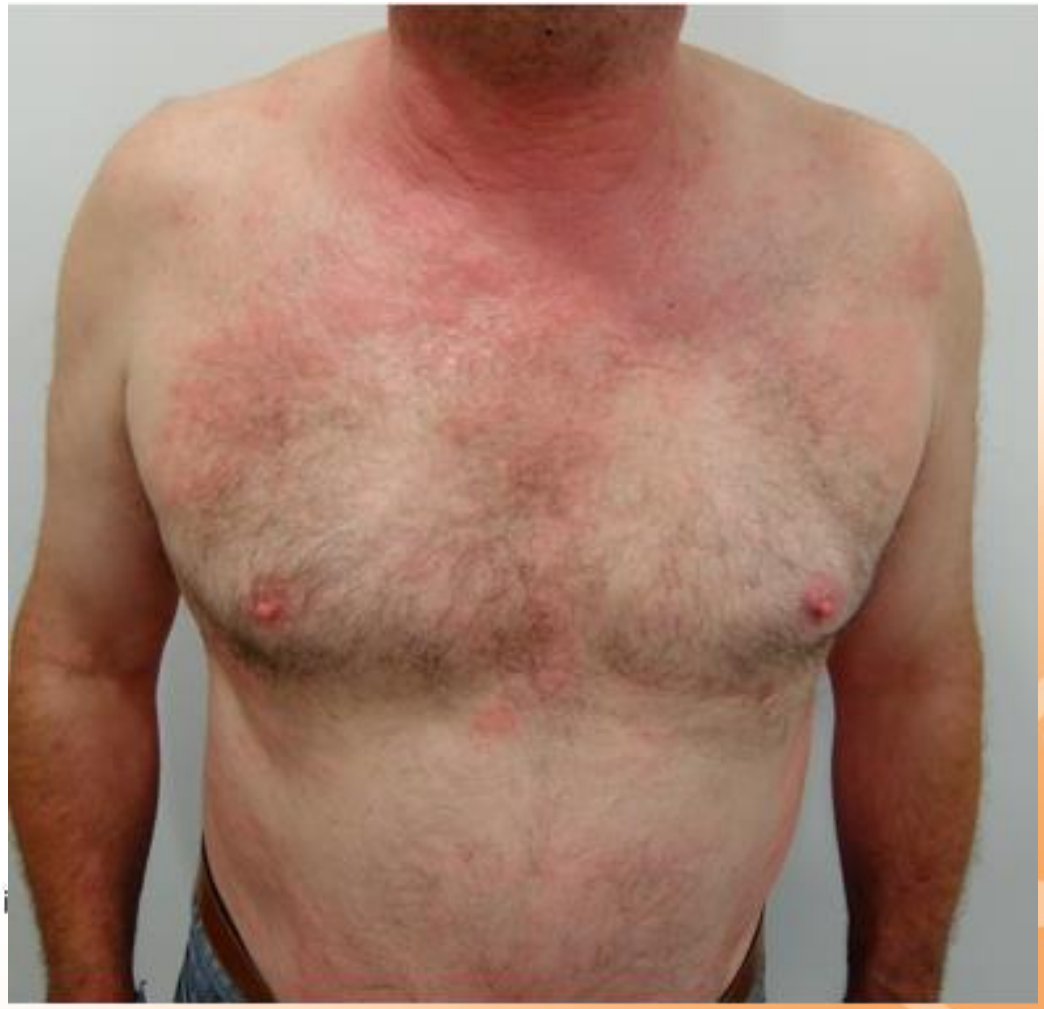
Hospi

Positivadad para acrilatos +++

Patrón en goteo



Patrón en goteo



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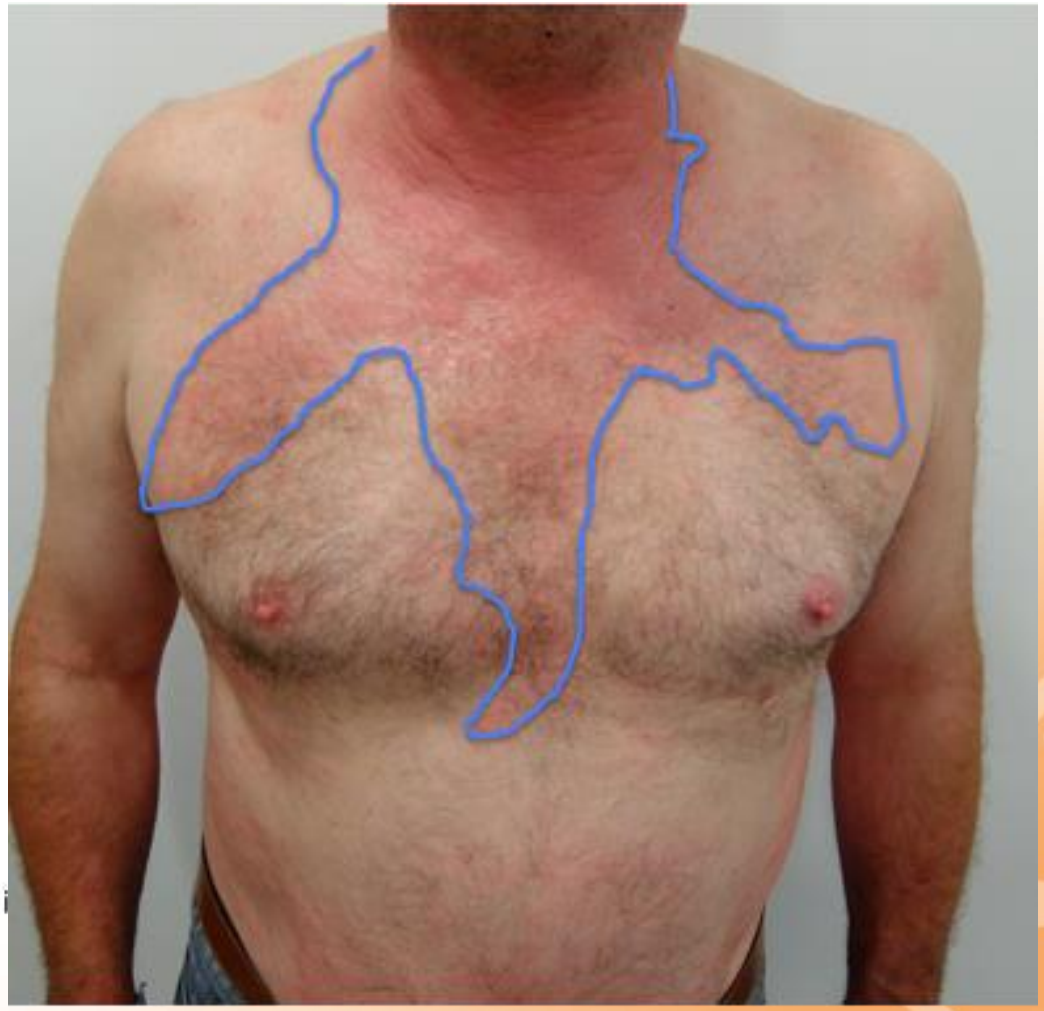
Patrón en goteo



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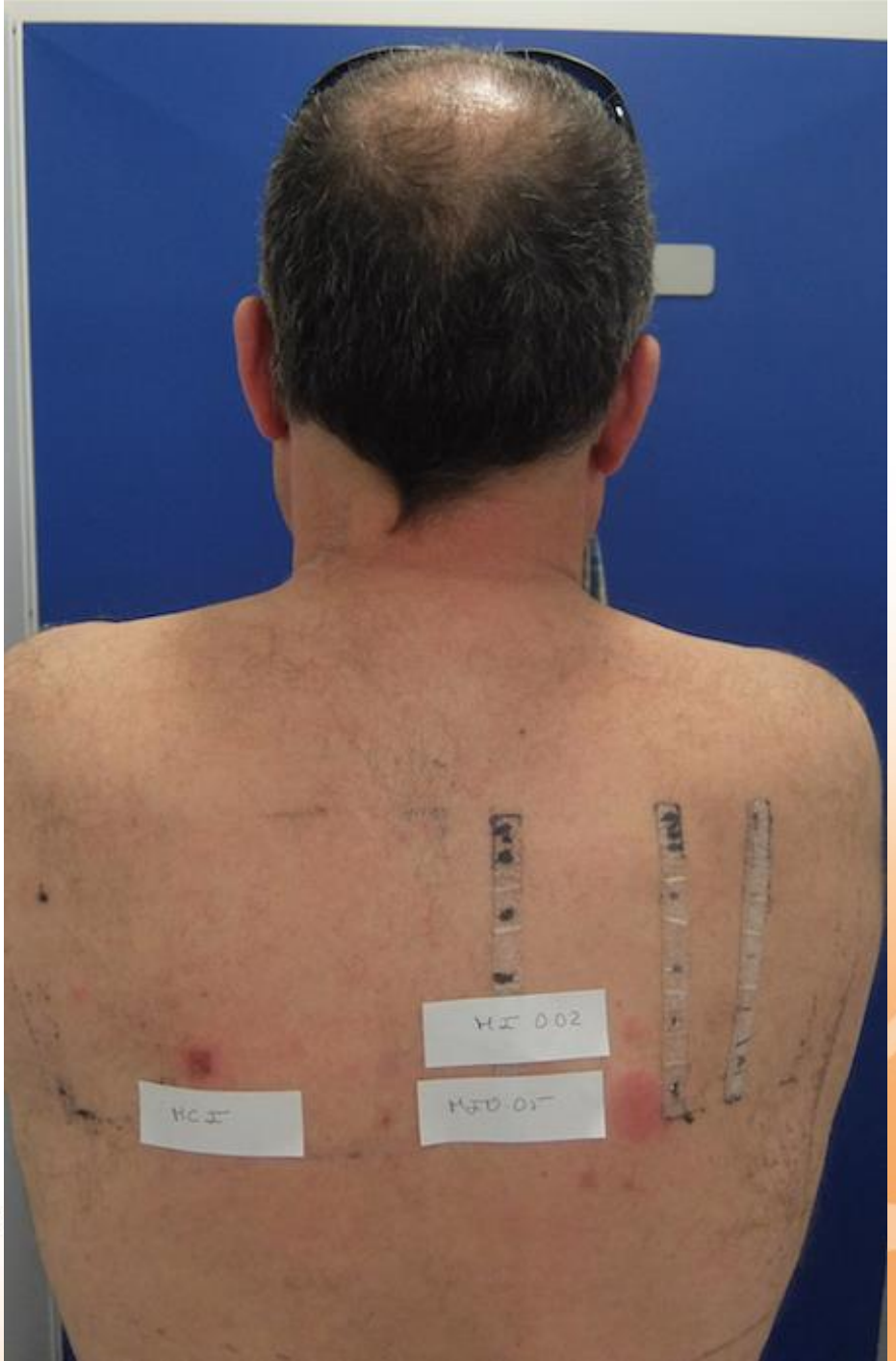

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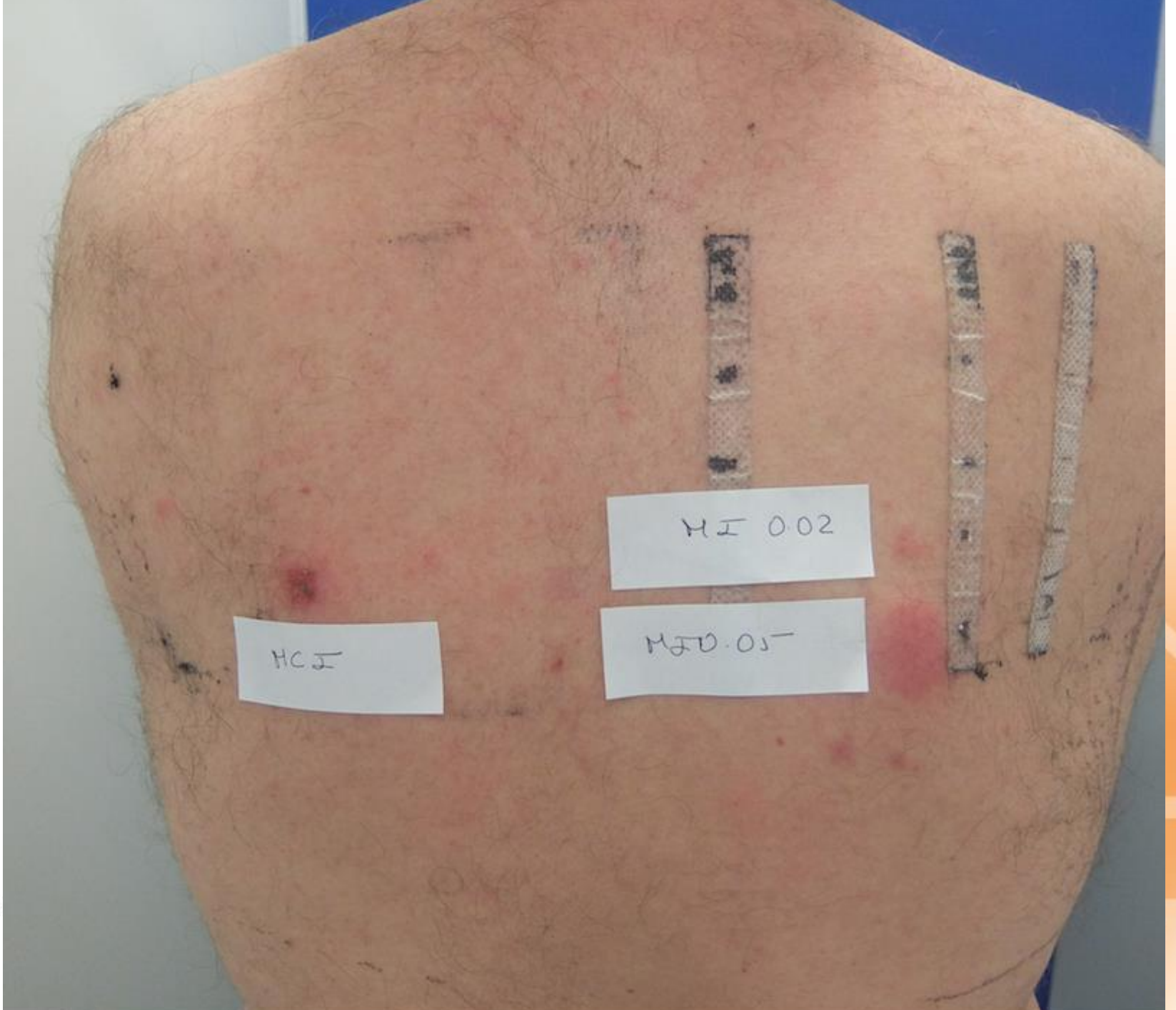
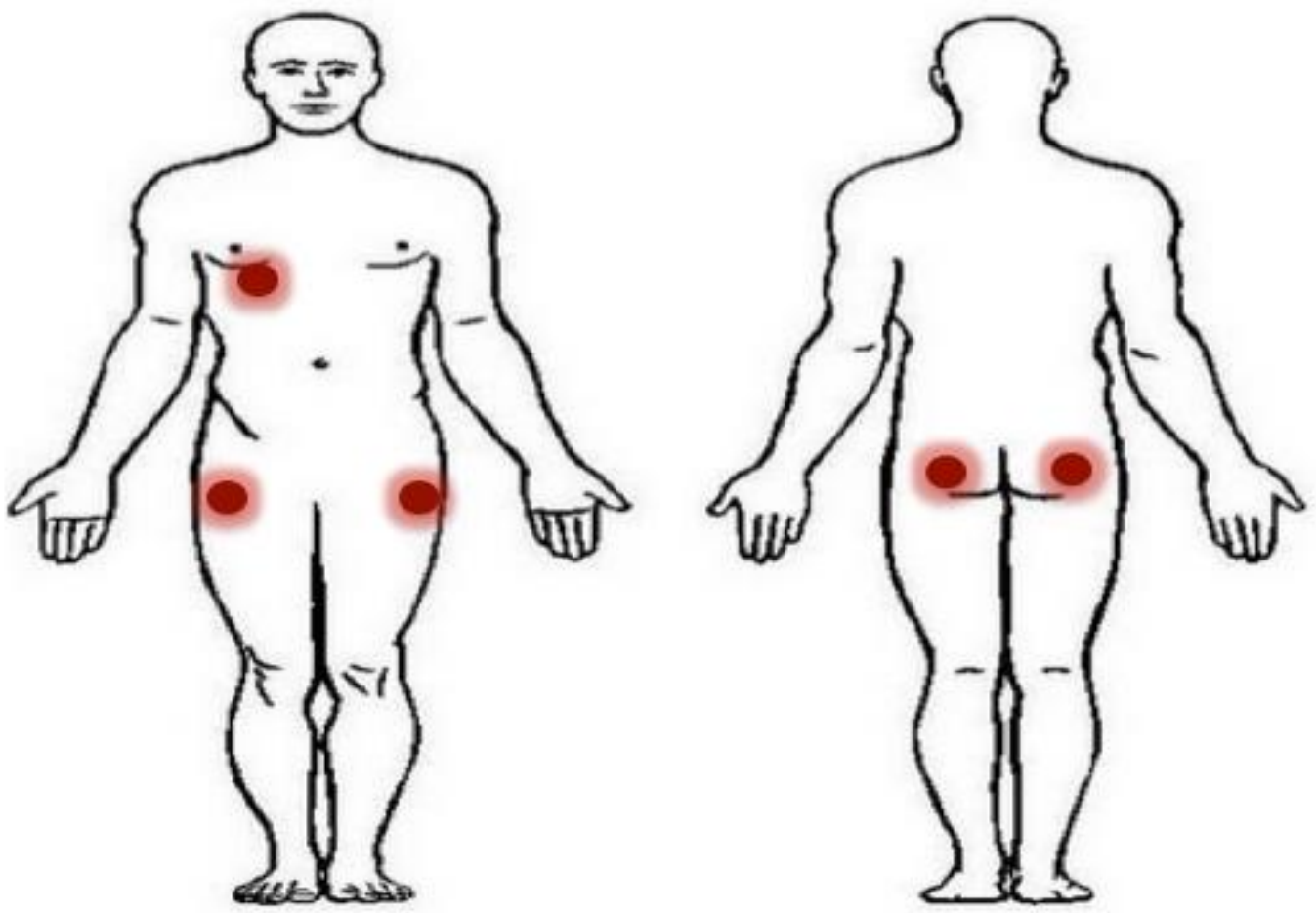


Hospital de

Patrón en bolsillo



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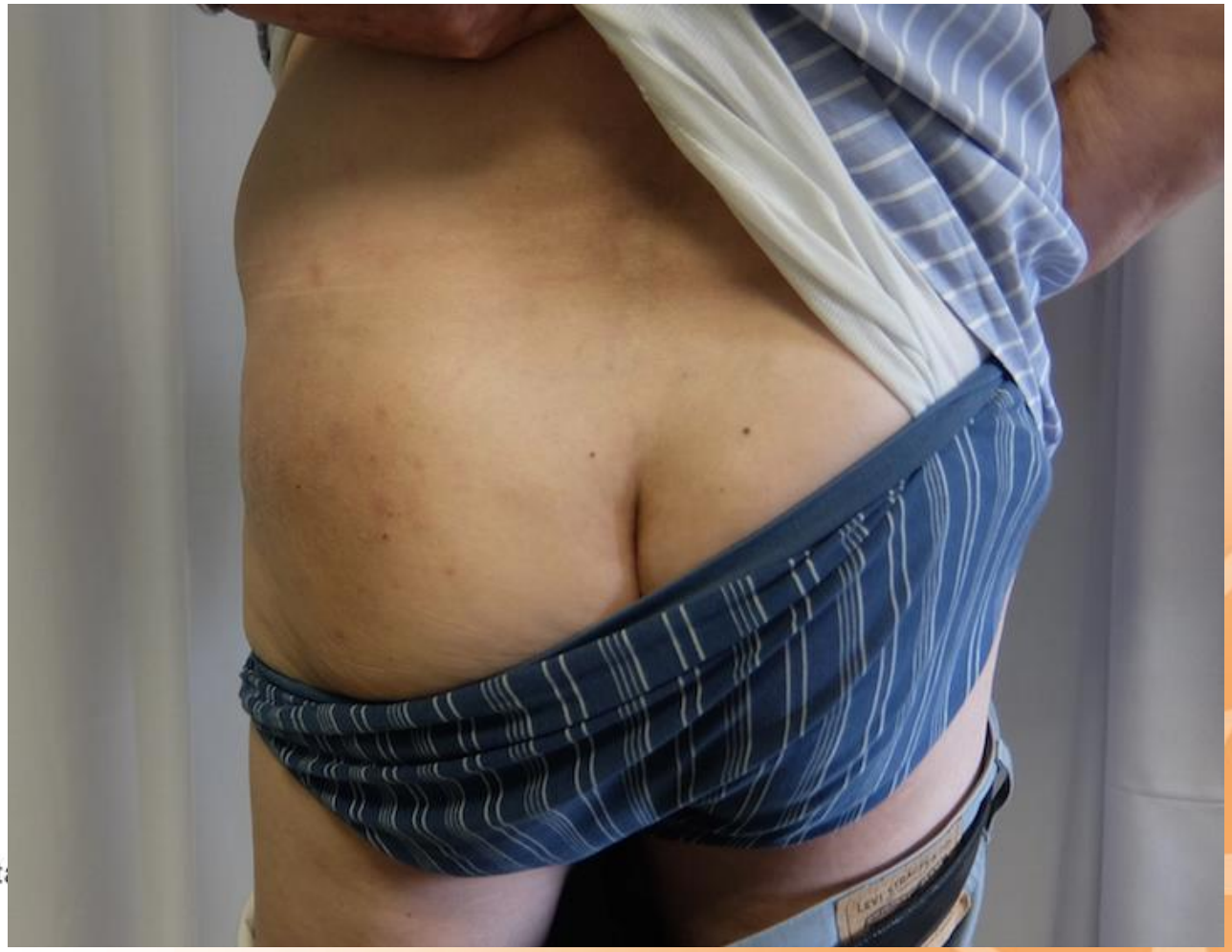

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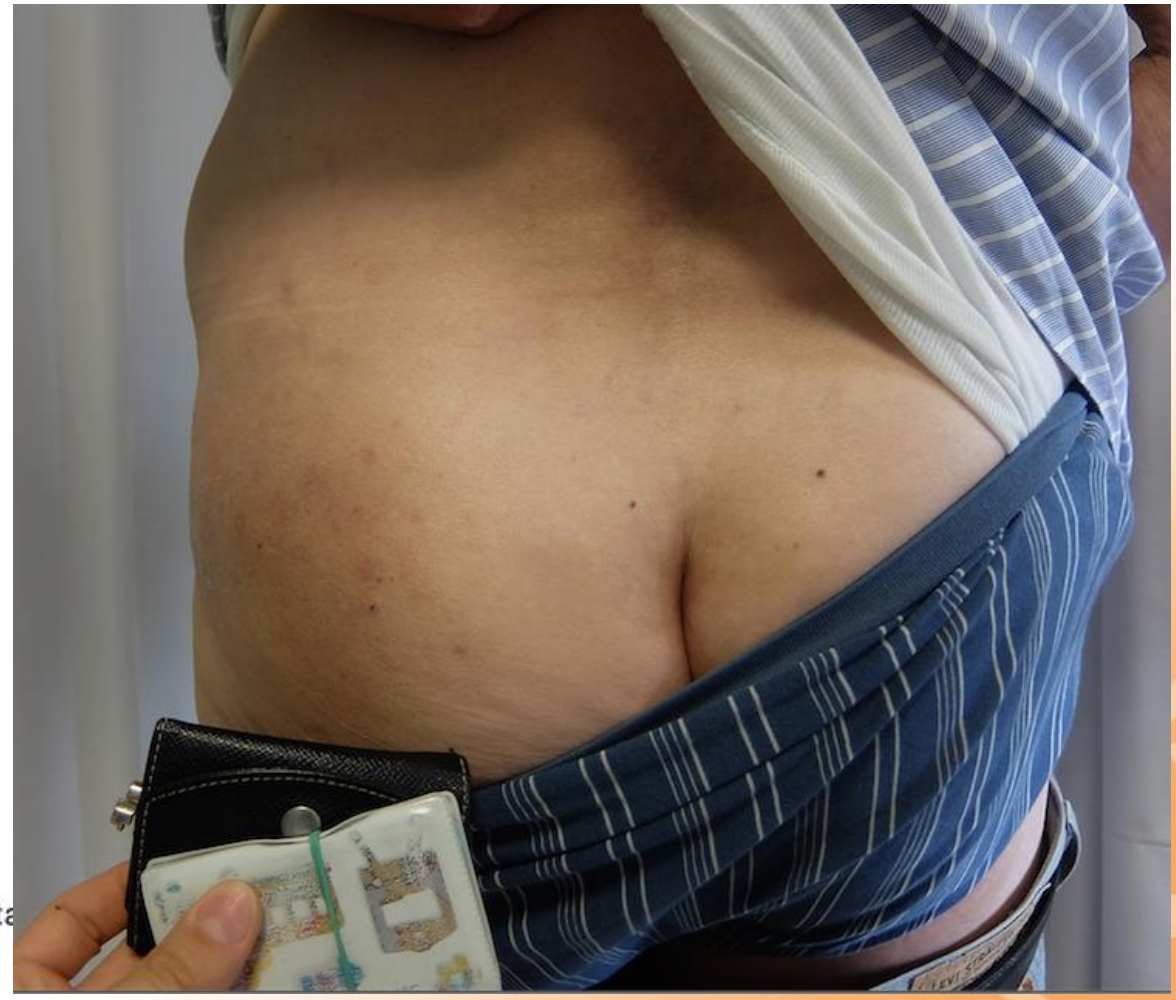
Patrón en bolsillo



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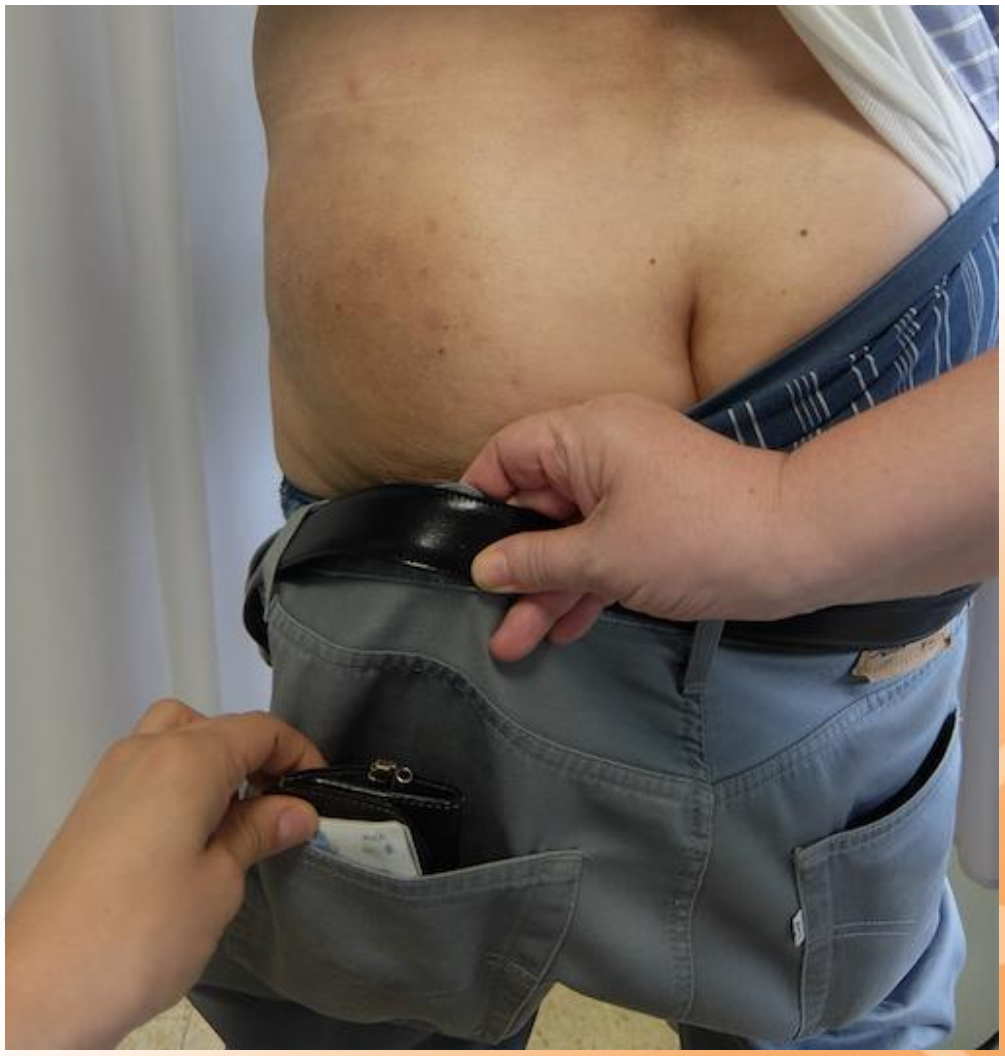

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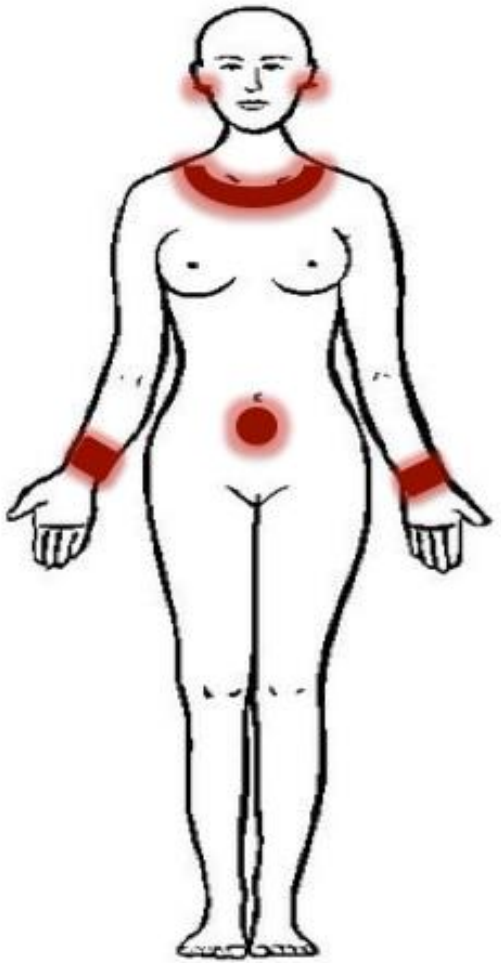
Patrón níquel



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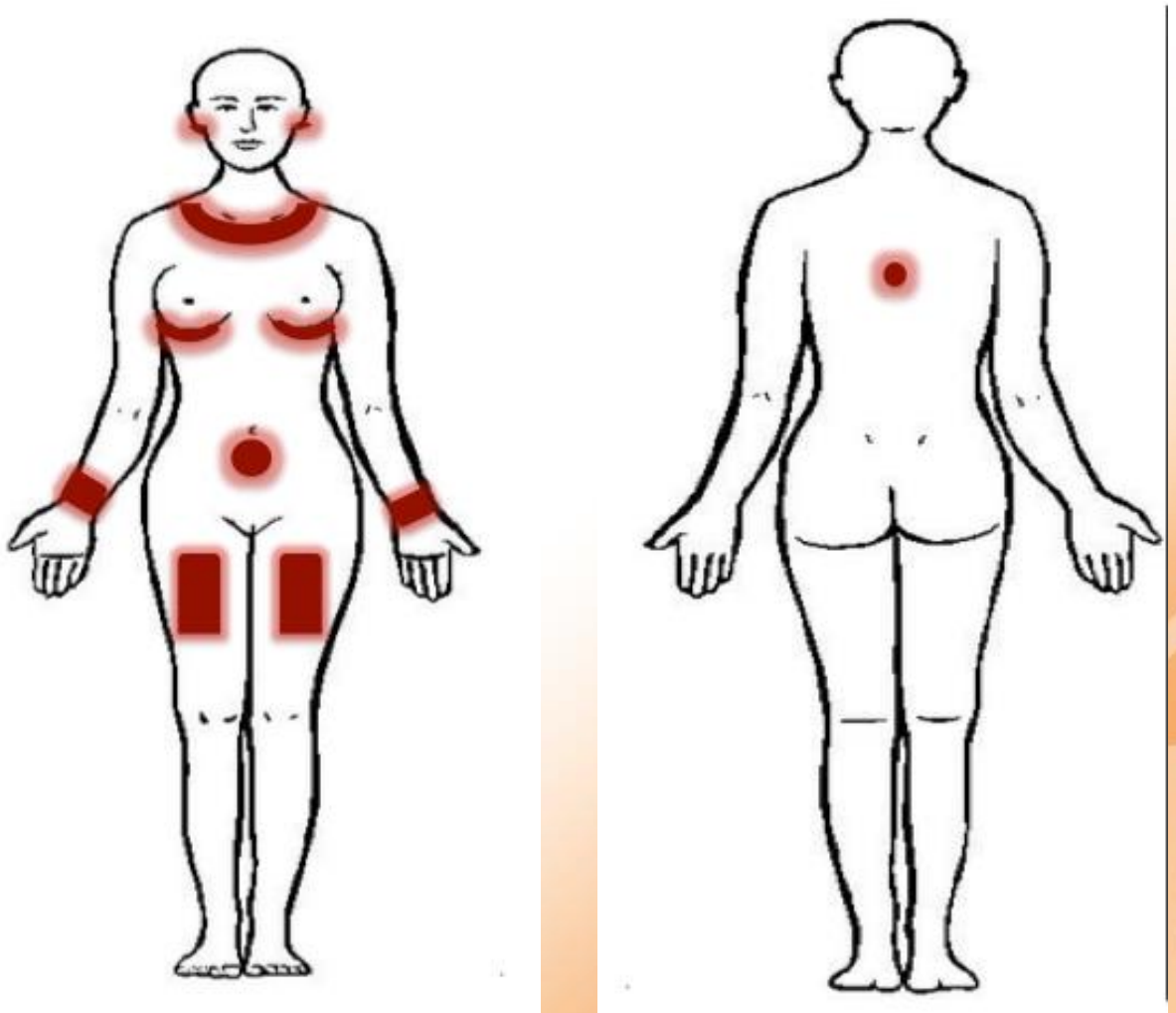
Patrón níquel



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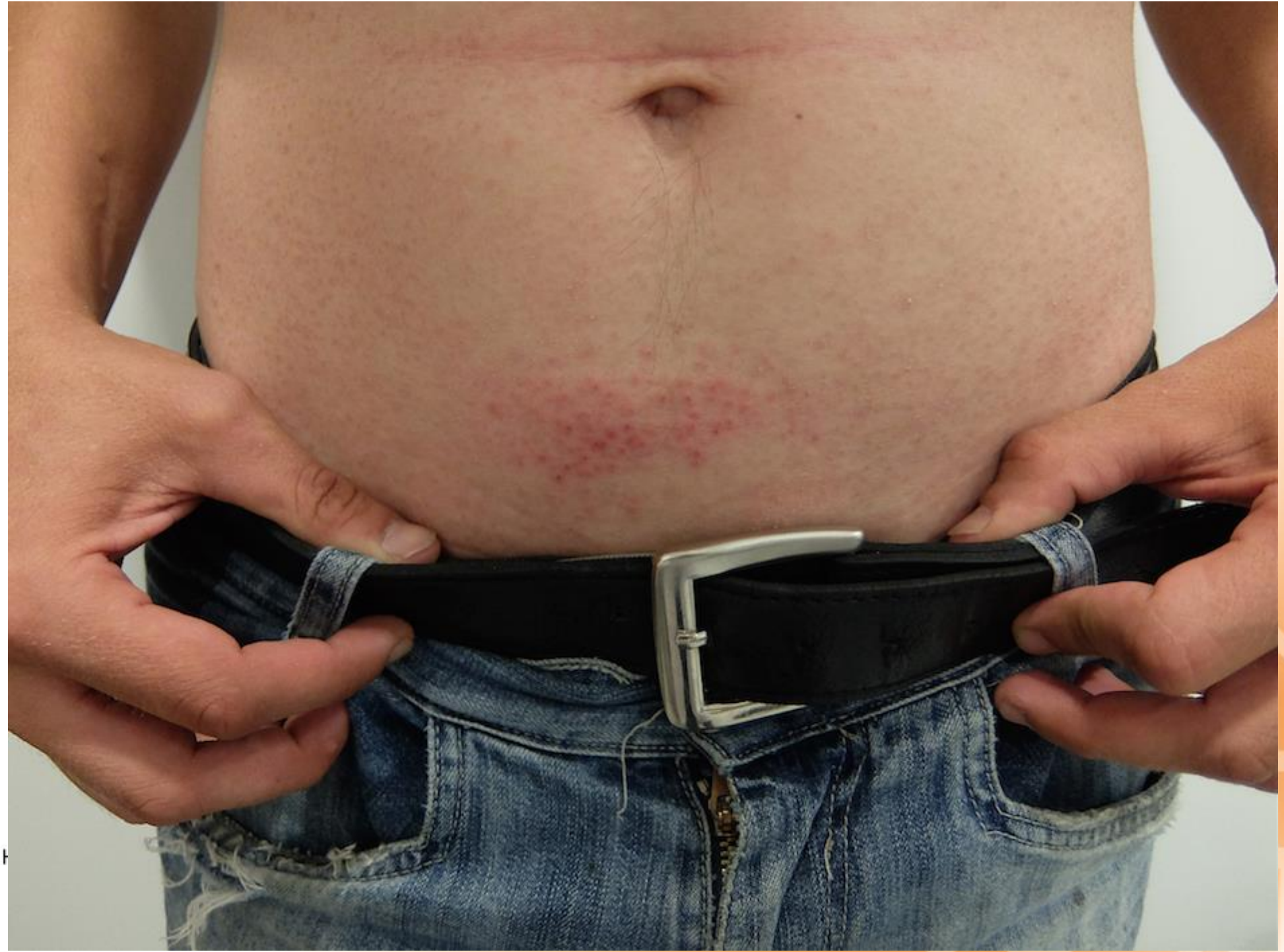


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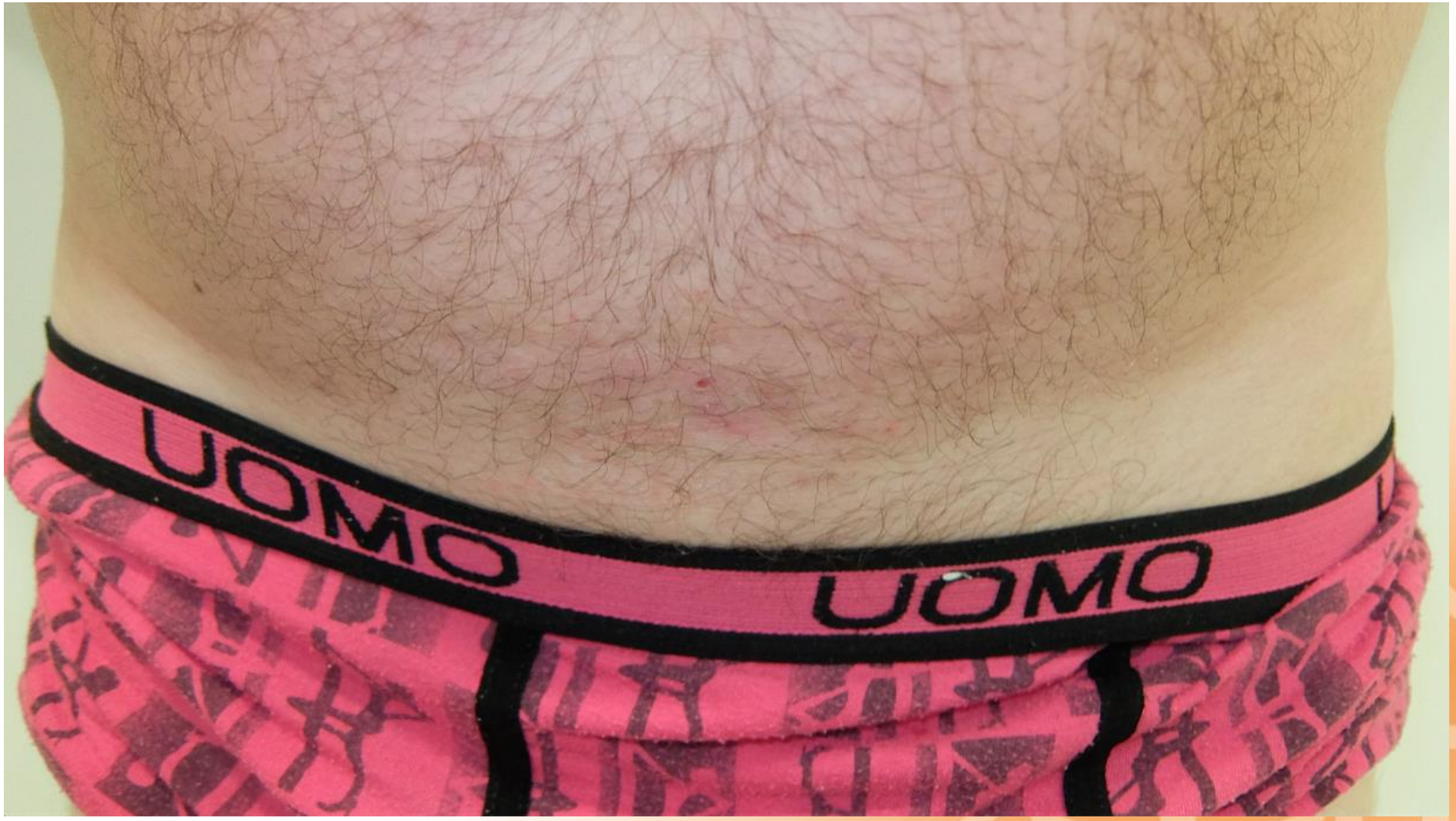
UOMO



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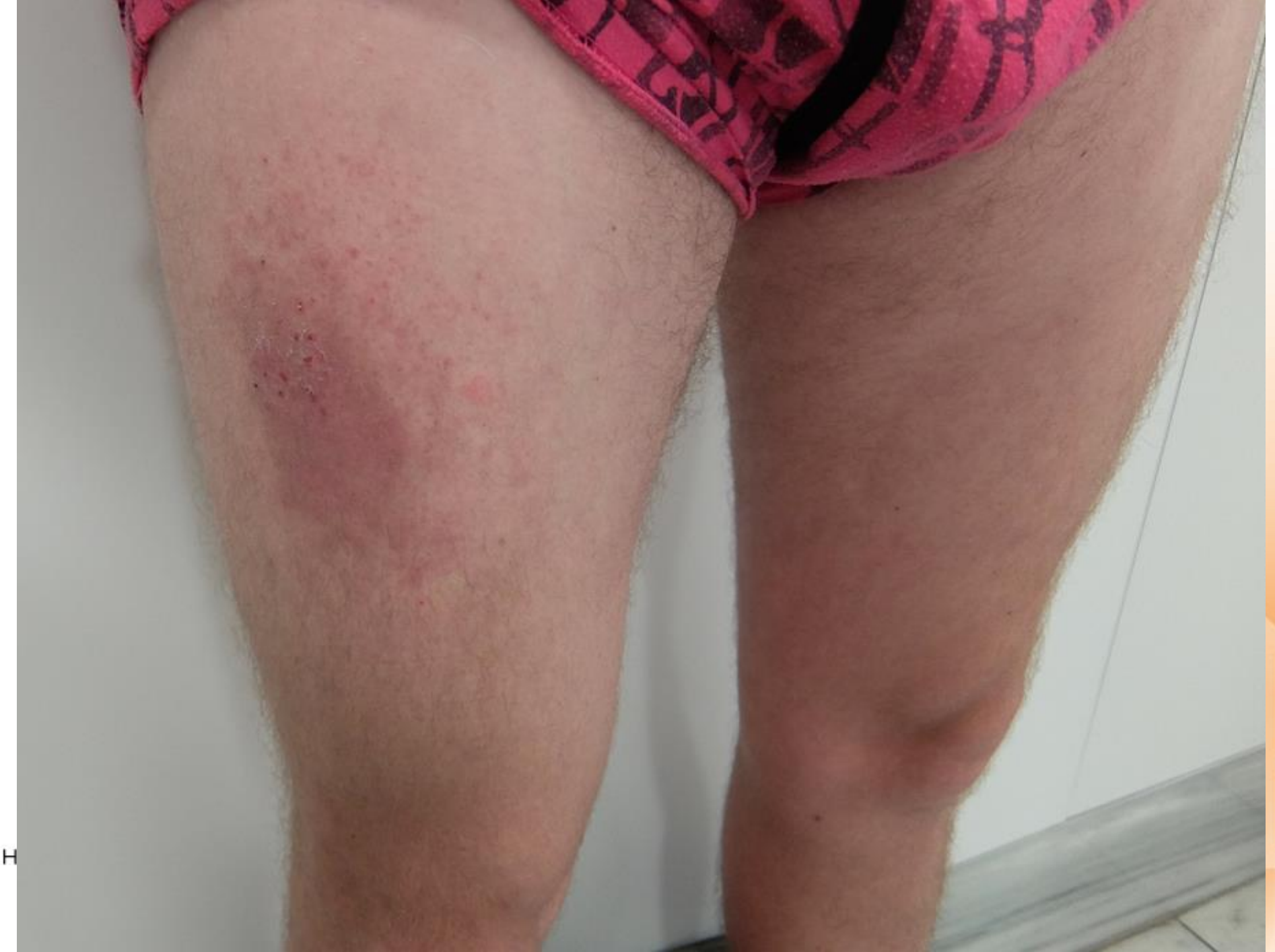
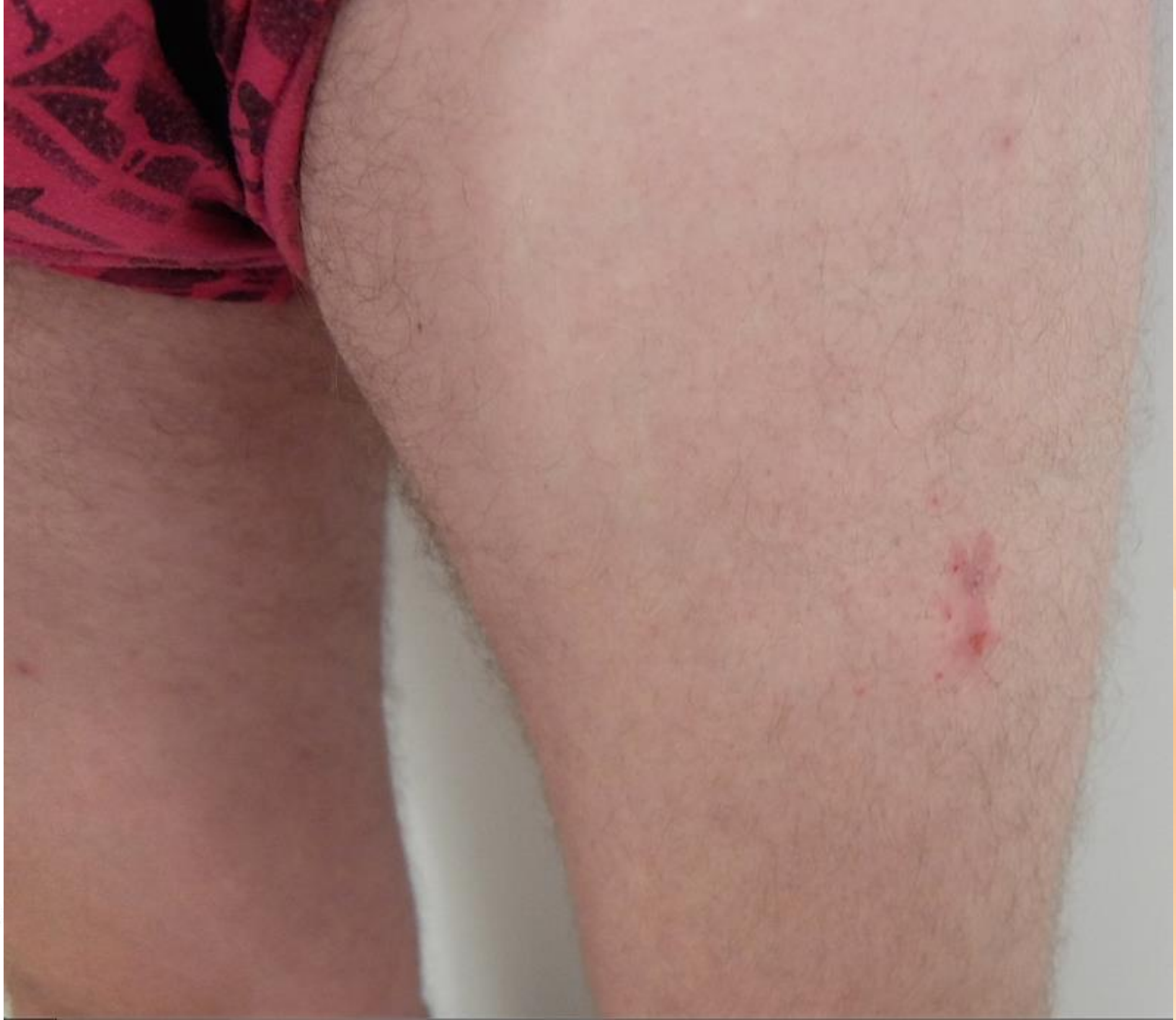
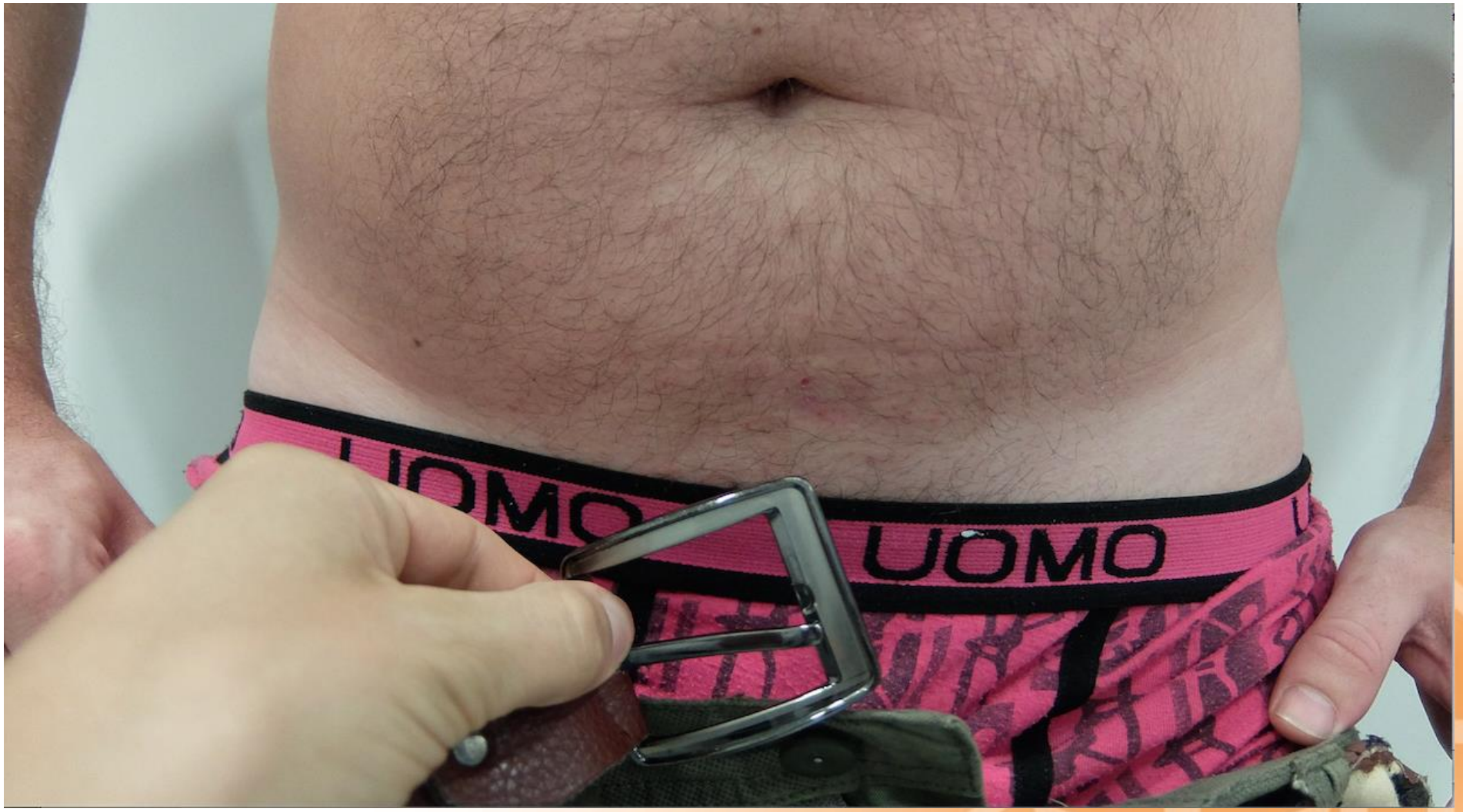




Hospital



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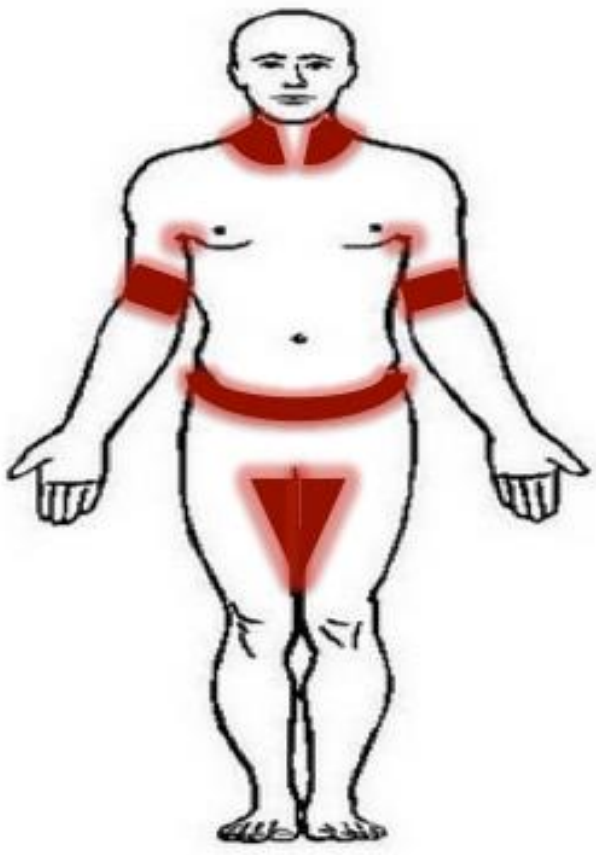
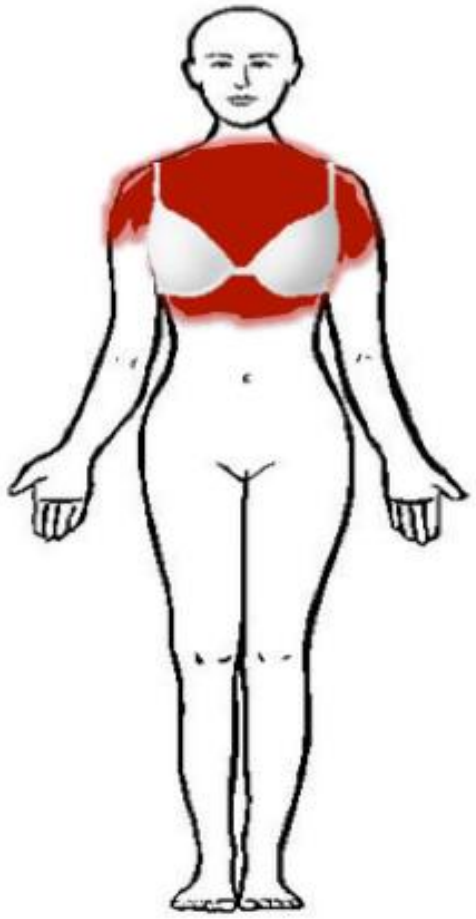
Patrón textil





Hospital de la Sa

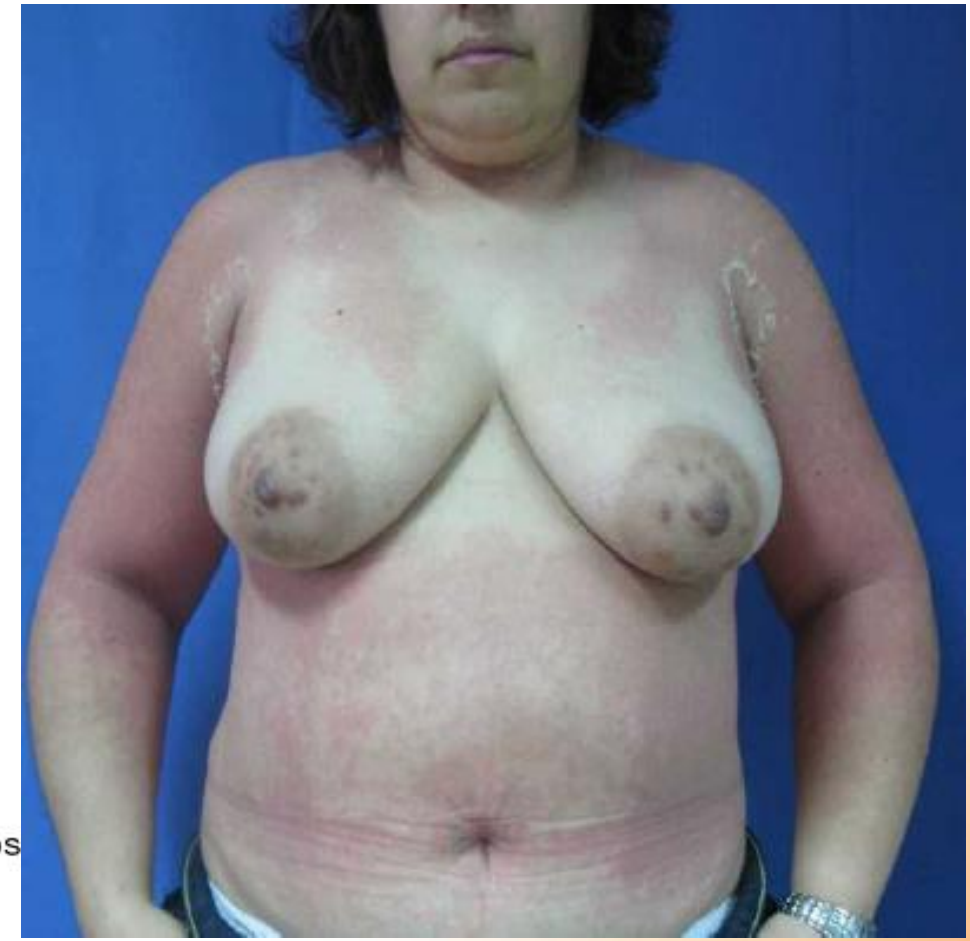
Patrón textil

Alergénos

Tintes
Resinas
(liberadores de formaldehído)

Dermatitis de contacto por textiles en paciente sensibilizada al tinte *Reactive Orange 107*

Textile contact dermatitis in a patient sensitized to Reactive Orange 107 dye



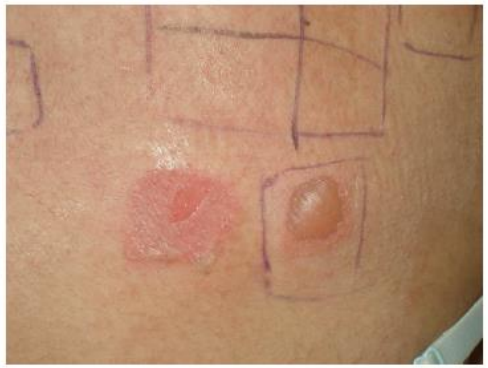


Figura 2 Positividad de pruebas epicutáneas (96 h) al producto propio (anverso y envés).

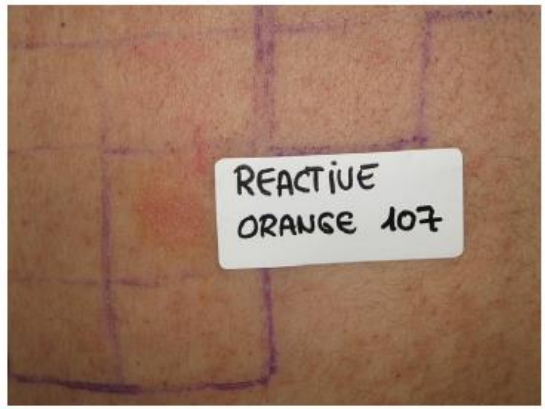
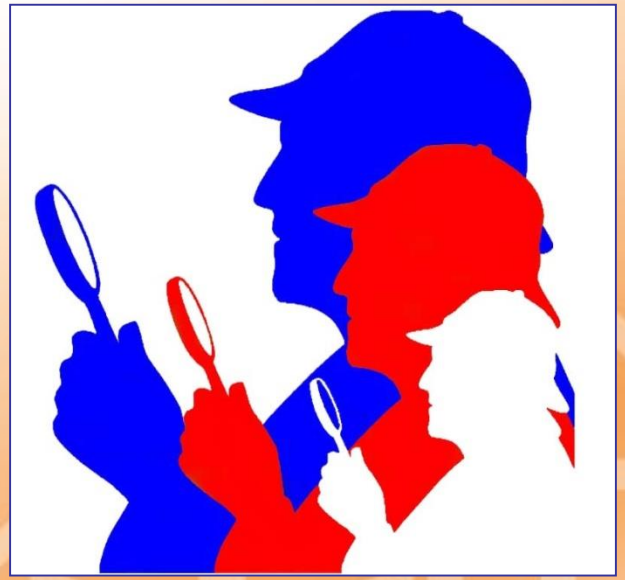


Figura 3 Positividad de pruebas epicutáneas (96 h) al tinte *Reactive Orange 107*.

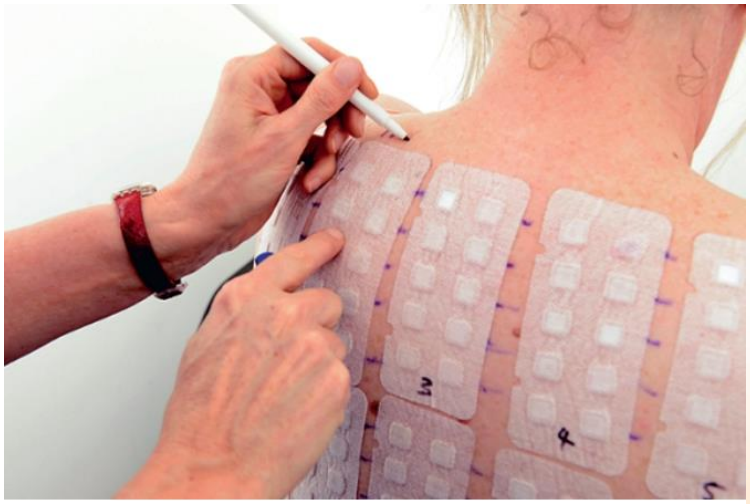
Hos

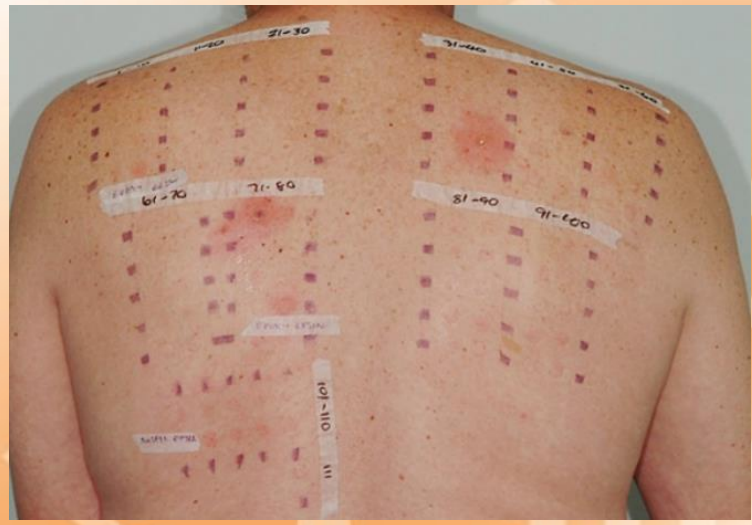
Diagnóstico

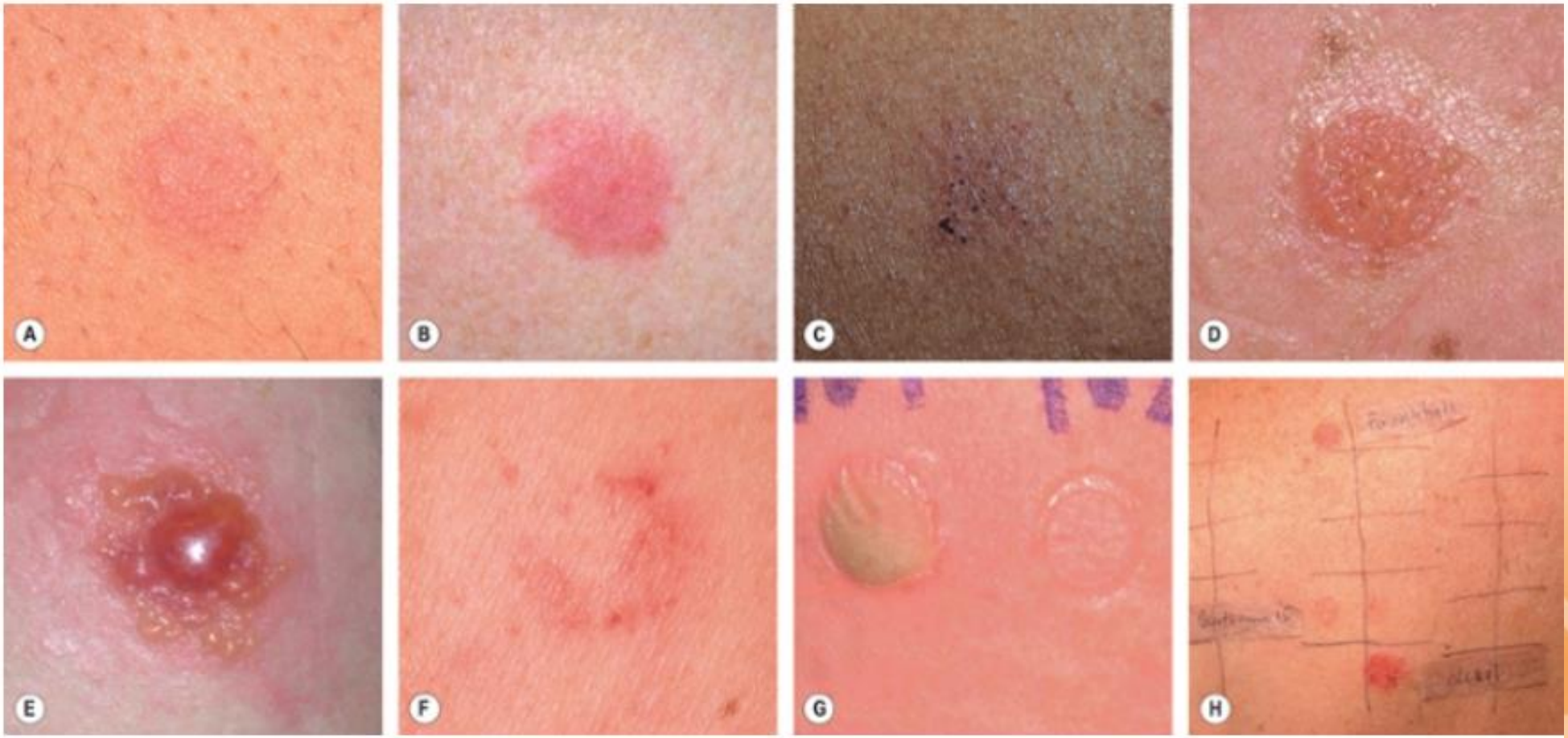


Epicutáneas

T.R.U.E. TEST ® (36 alérgenos -80%)
Serie adicional. Profesionales (perfumes, tintes, gomas…)
Lunes-Miercoles-Viernes
¿Relevancia?







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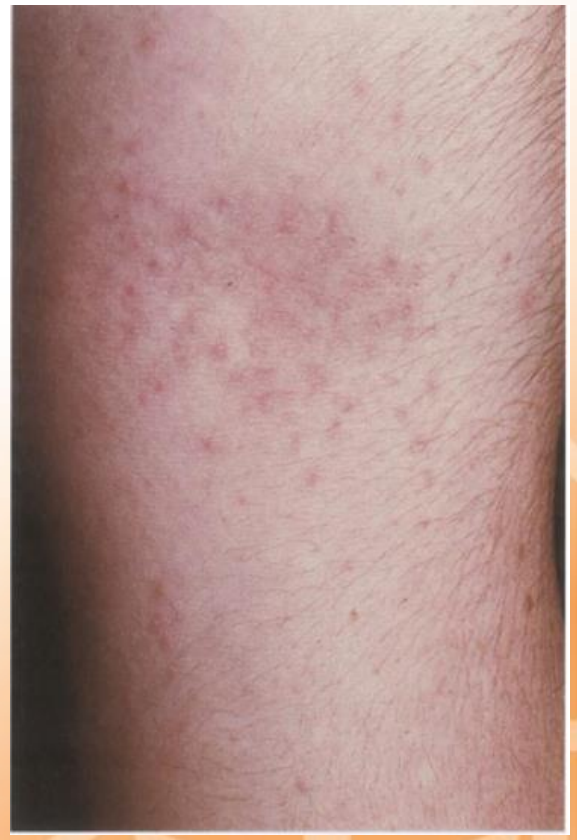
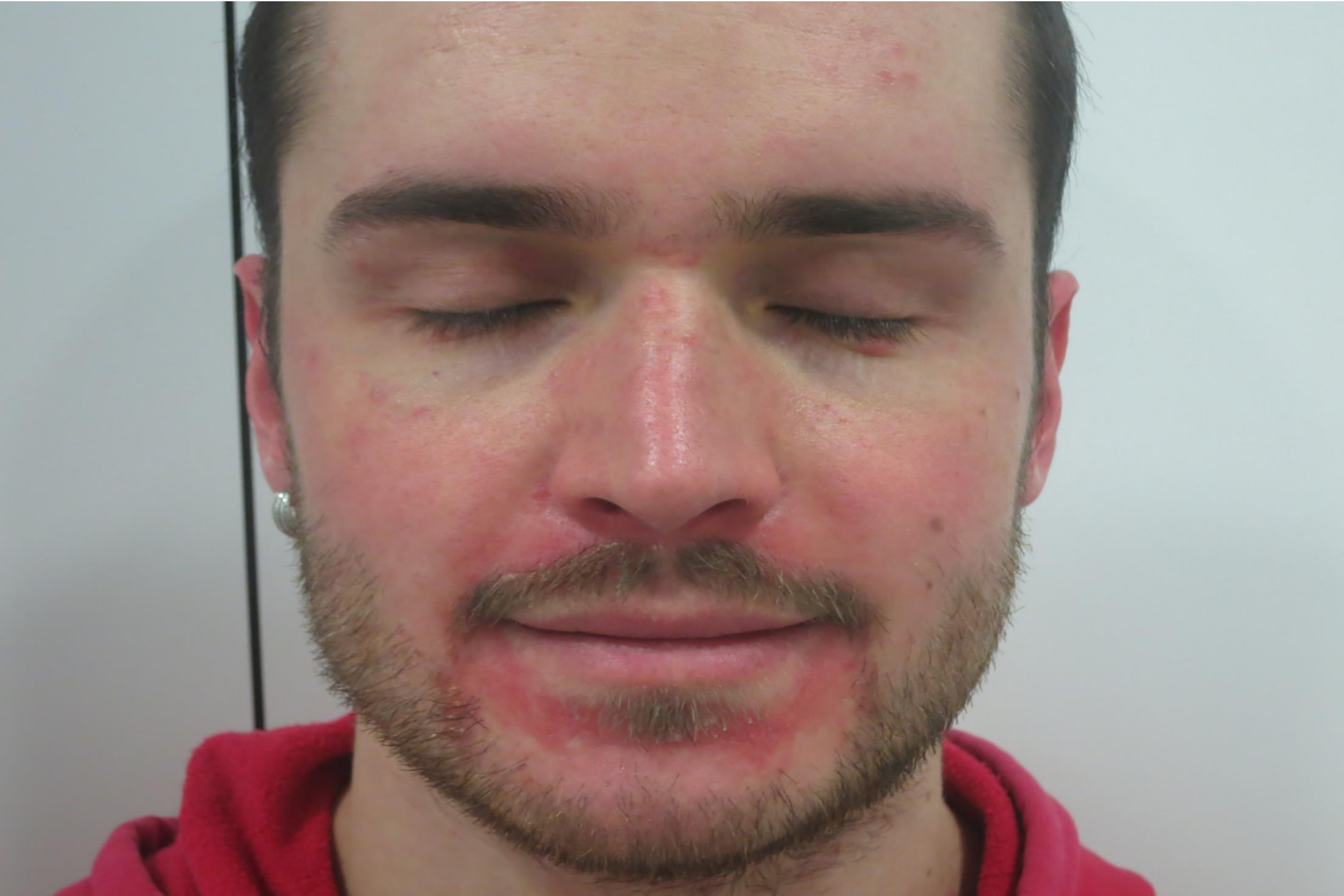
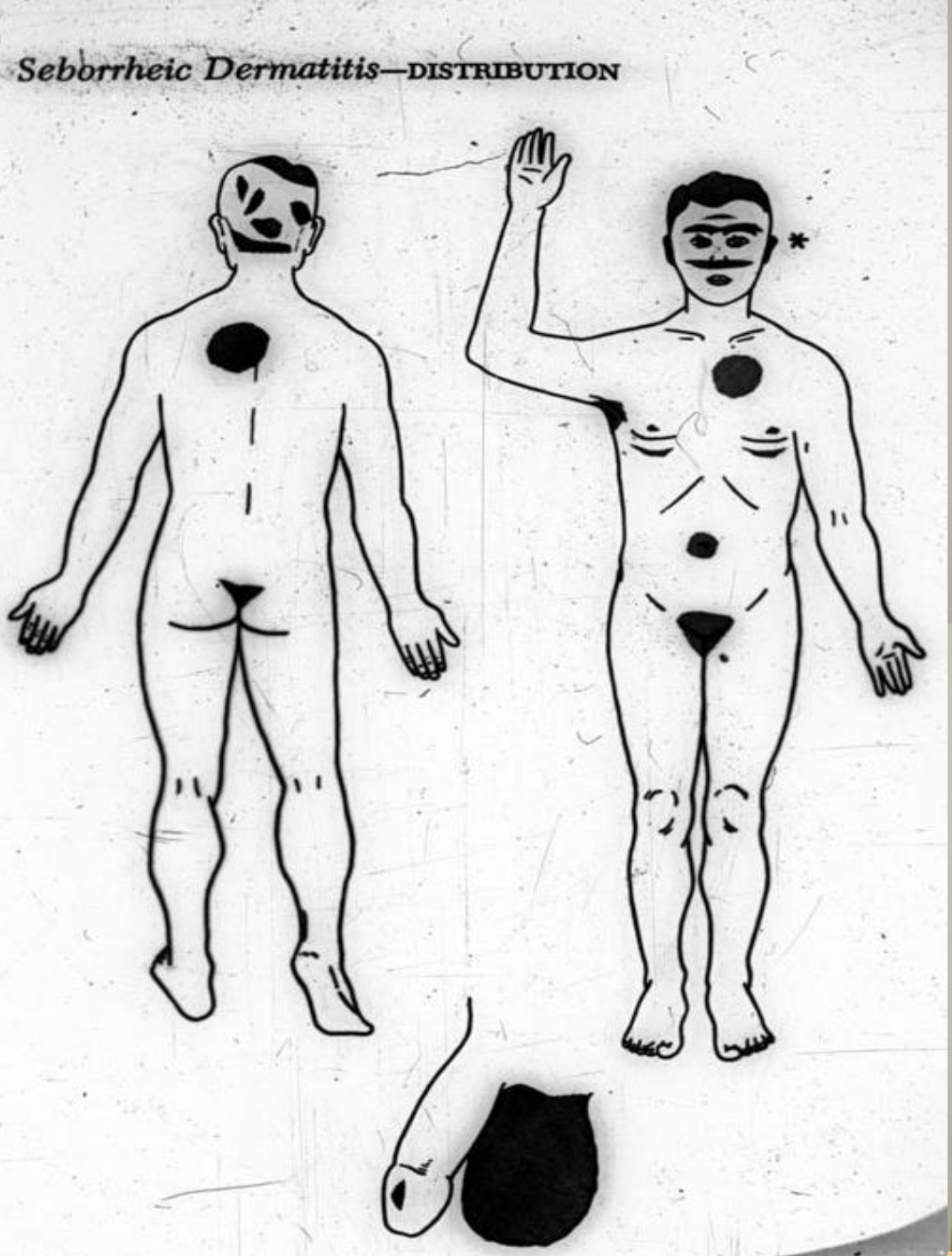
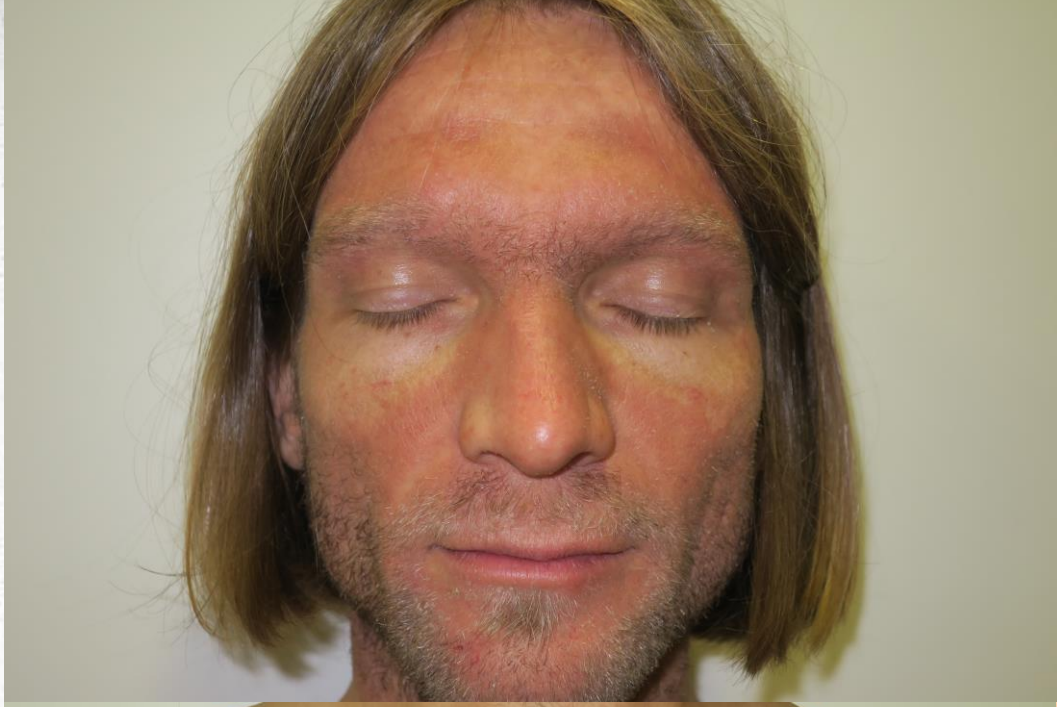
ROAT TEST (Repeated open application test)

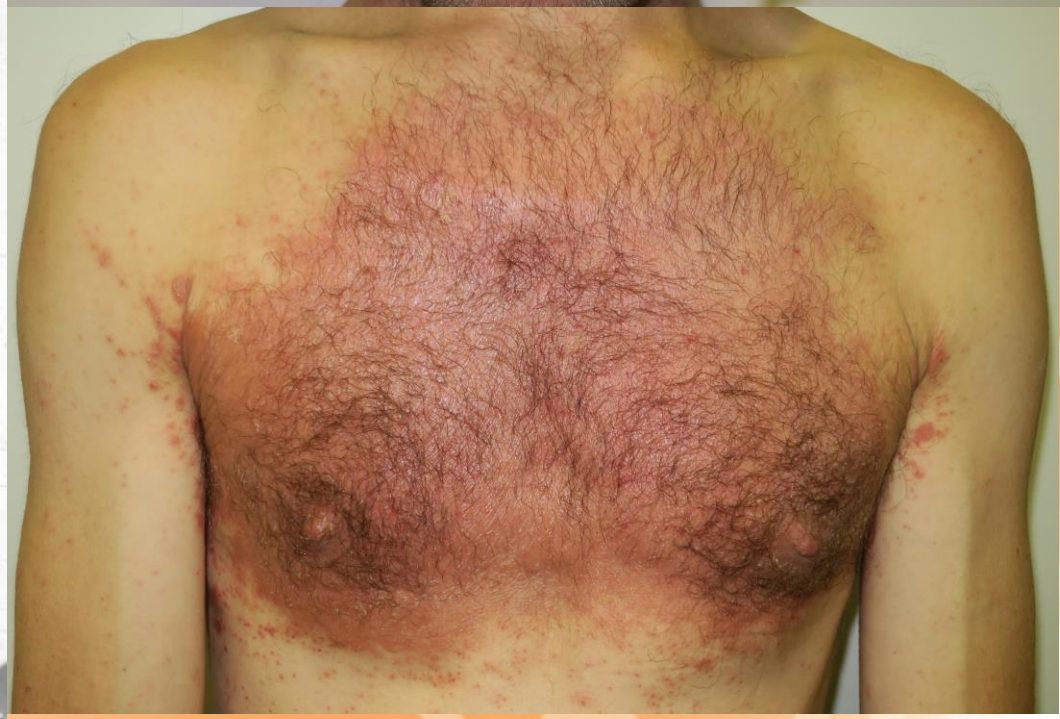
El propio paciente
Productos tópicos
Antebrazo
0,1 mL en 5 x 5 cm
2v/d 7 días
Si inmediato, irritativo
Si eccema, retirar

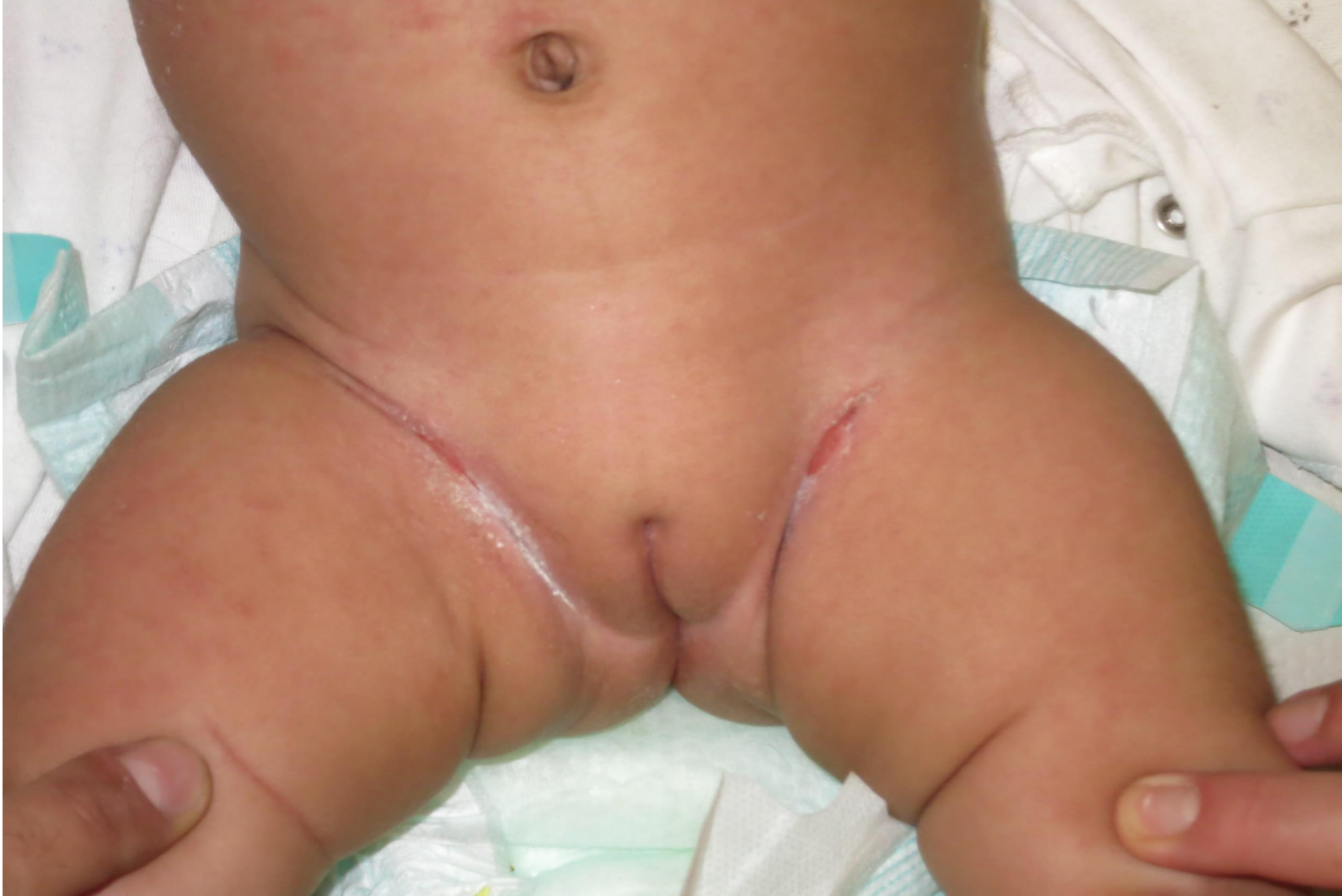





Seborrheic Dermatitis—DISTRIBUTION



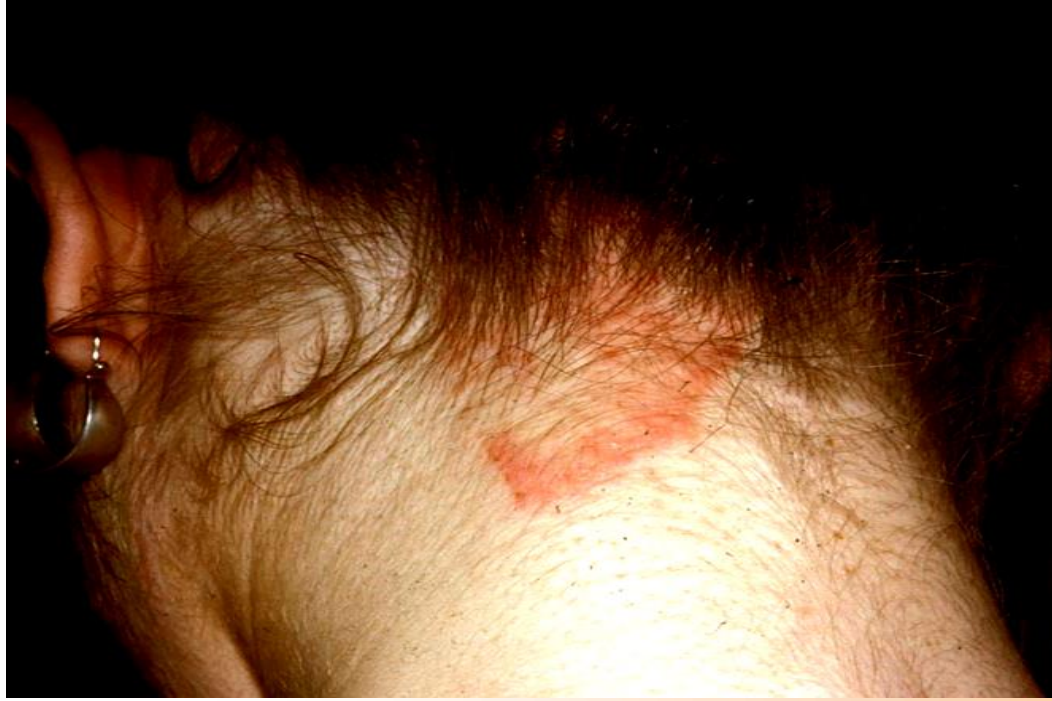


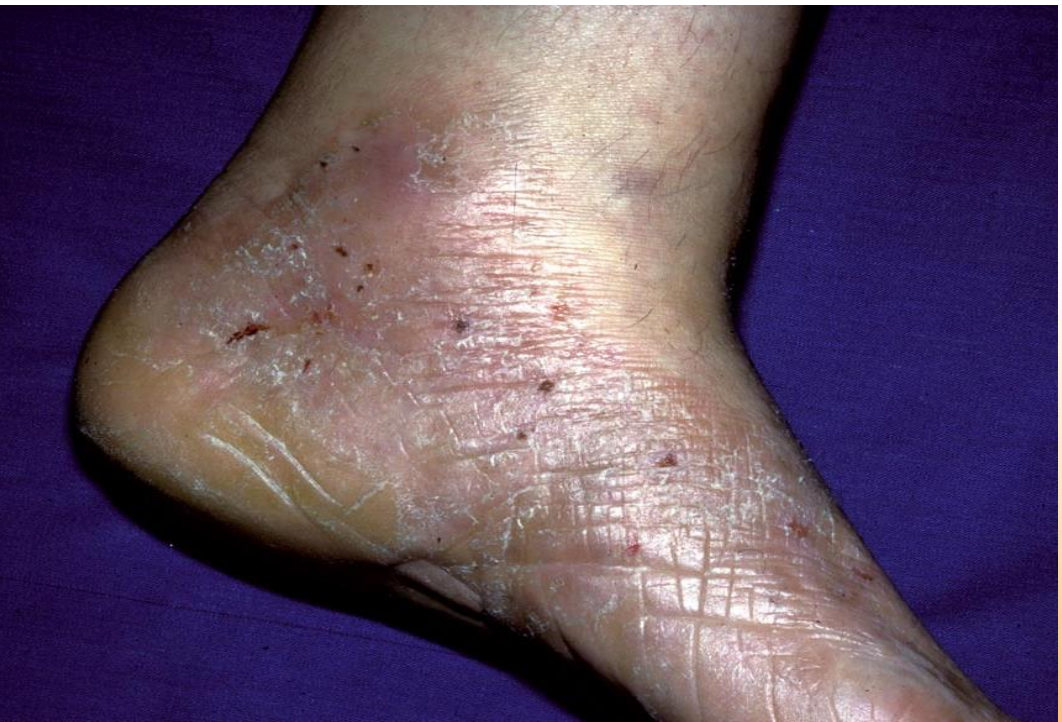


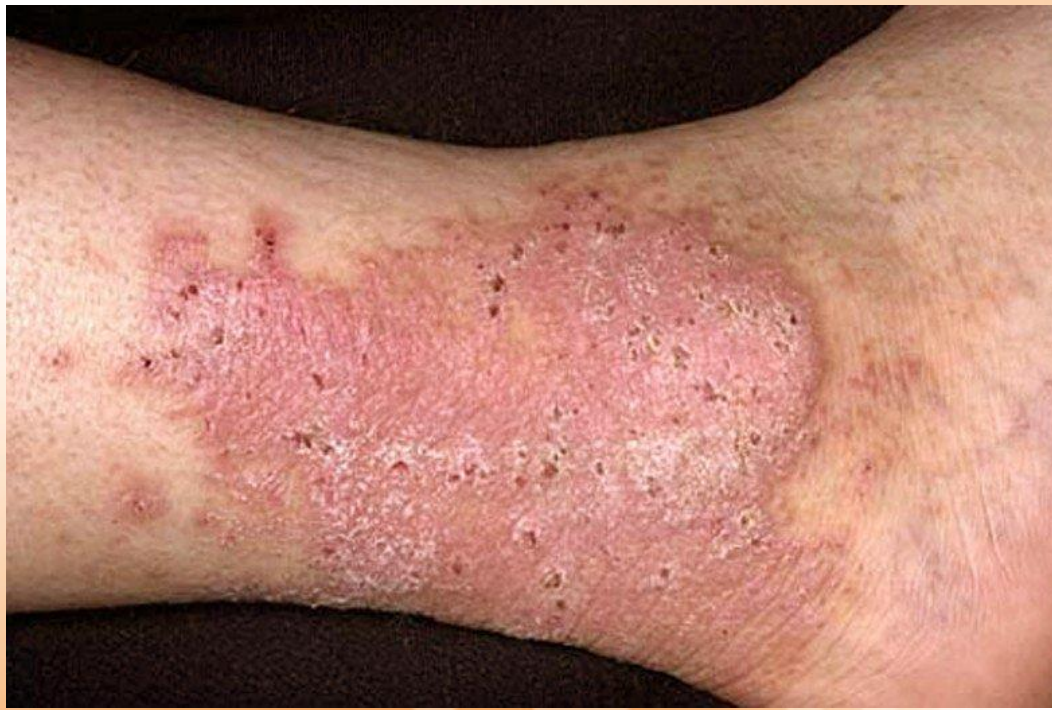
NEURODERMITIS O LIQUEN SIMPLE CRÓNICO

Eczema cronificado por ciclo picor- rascado-picor.
Placas de eczema excoriado y Muy liquenificado.

Atópicos, stress, etc.







ECZ.MICROBIANO O ECZ.NUMULAR

placas ecz.redondeadas
Exudativas y costrosas.

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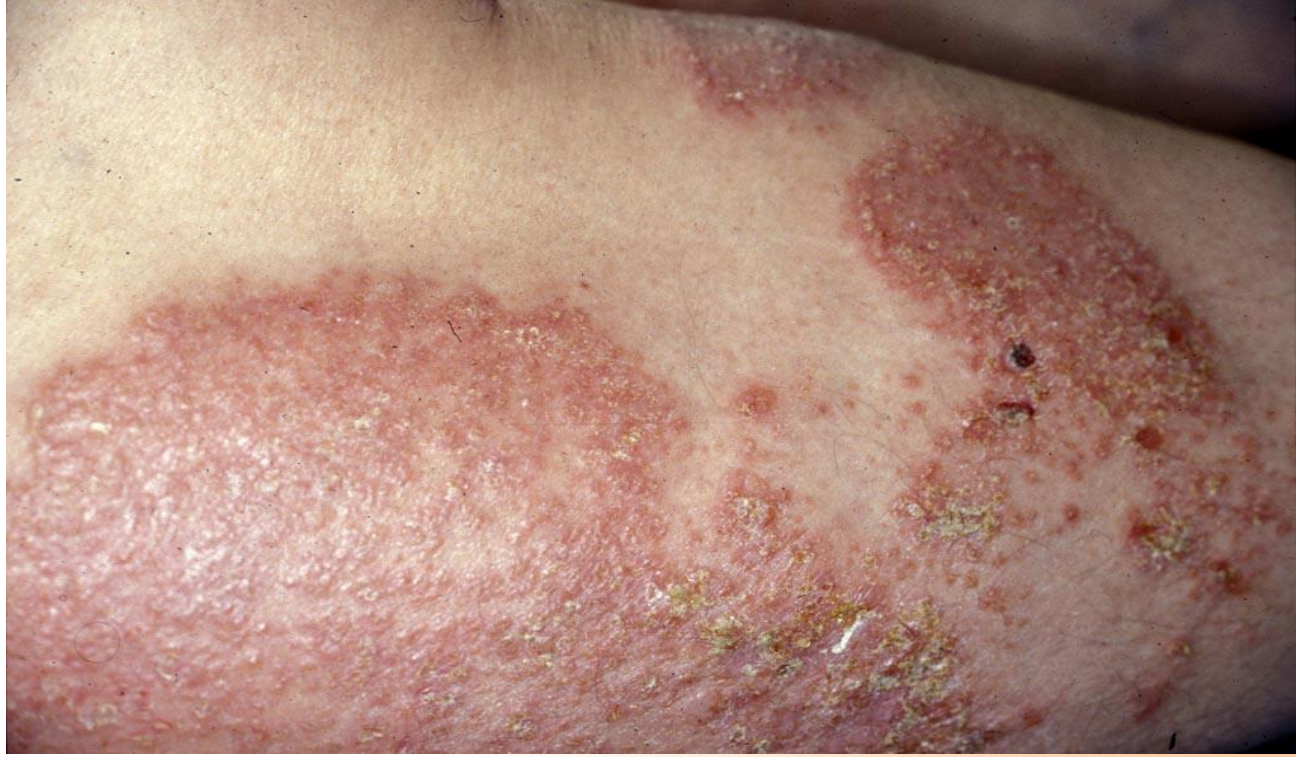
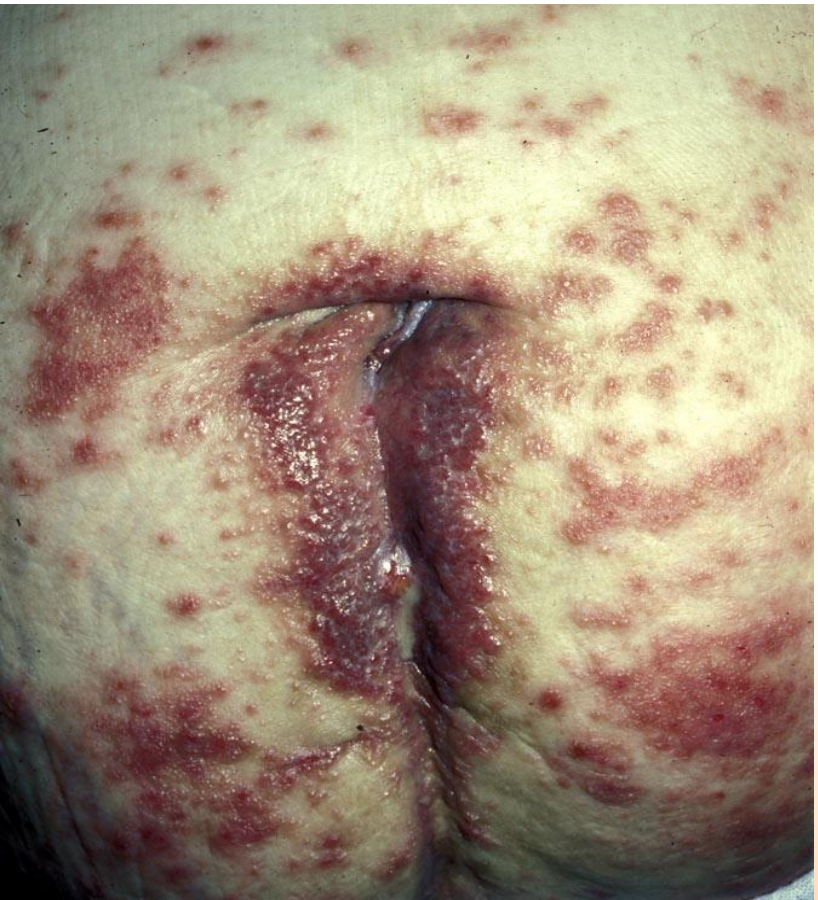
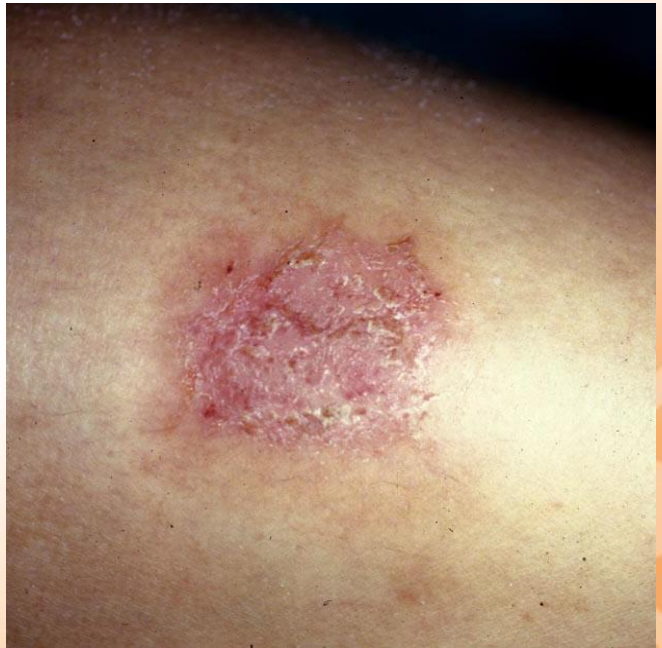
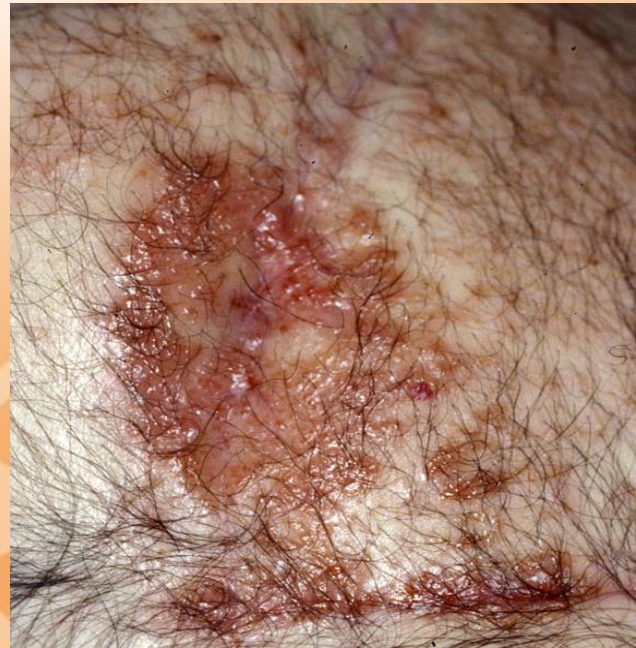
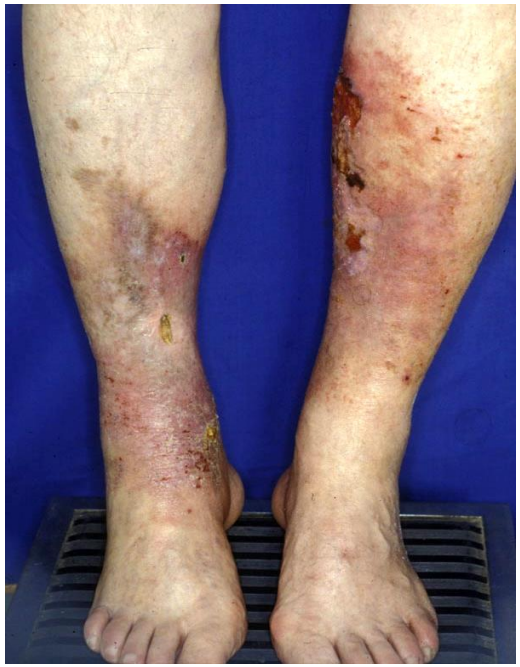




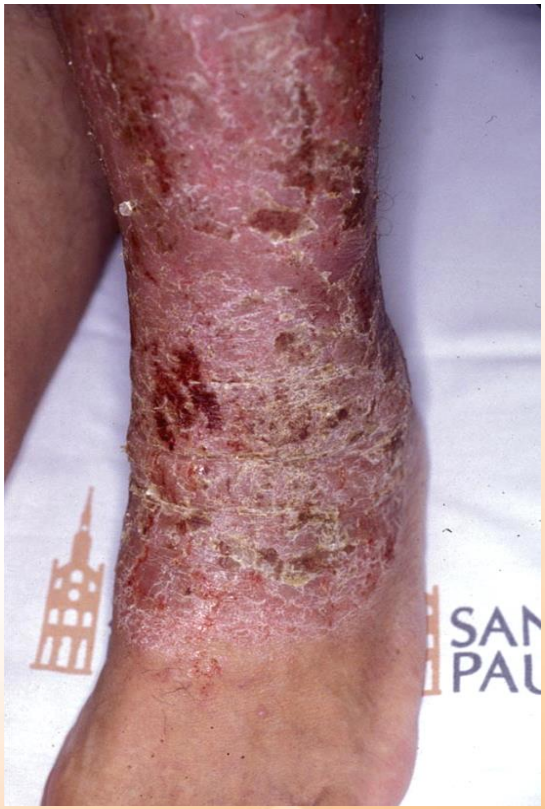


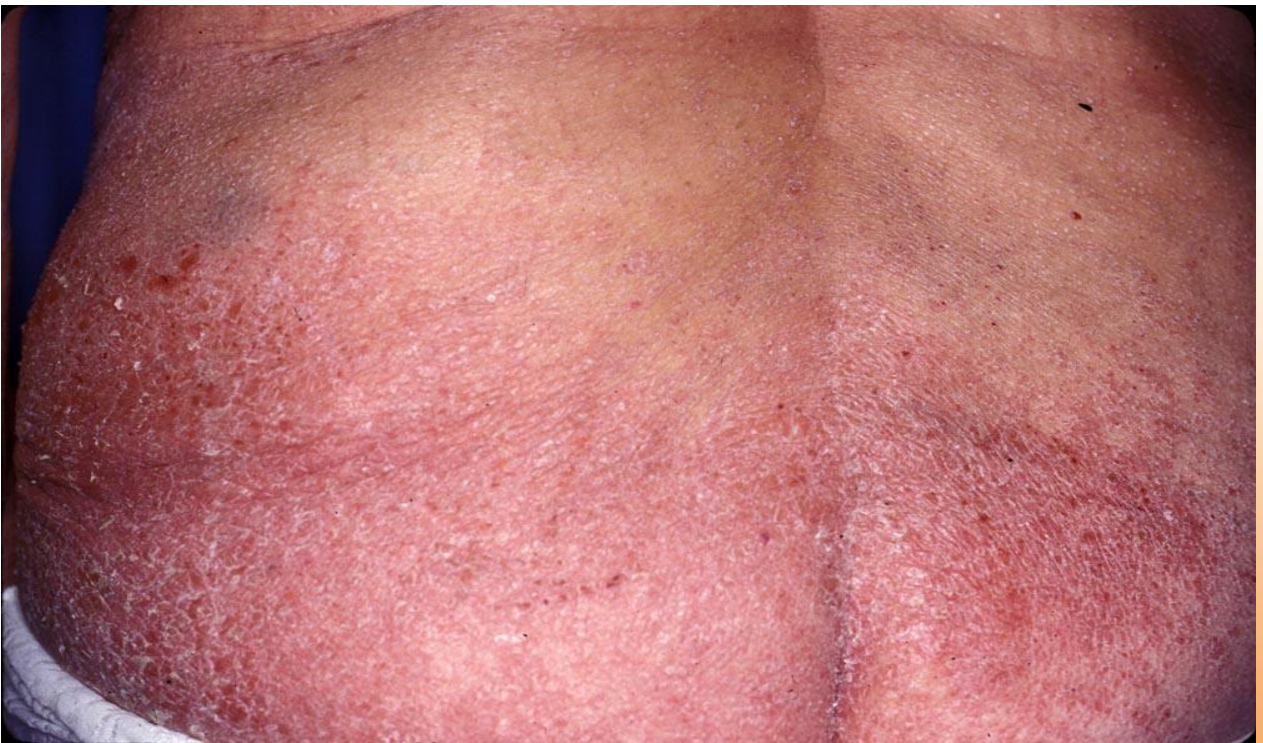




DERMATITIS DE ÉSTASIS
AUTOECZEMATIZACIÓN

Eczema por patología venosa se agrava y se disemina de secundariamente a otras áreas.





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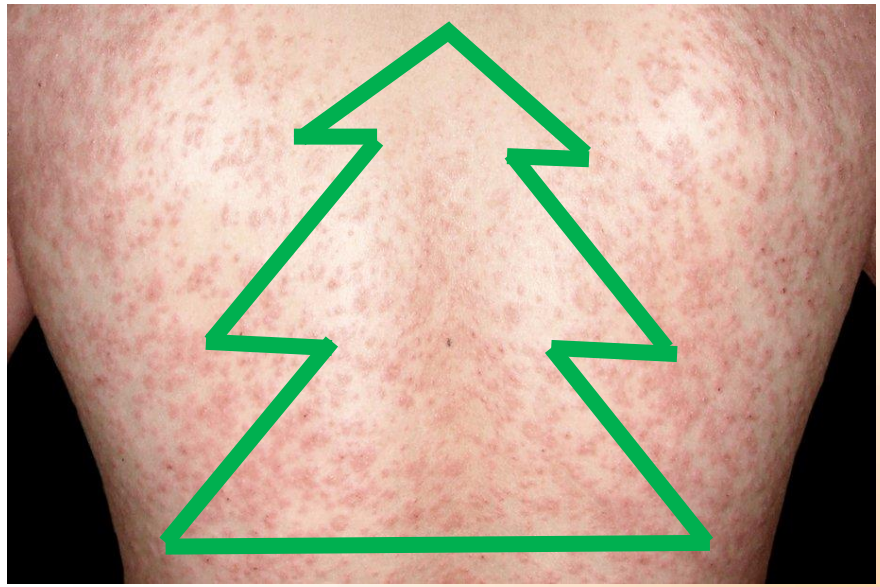
PITIRASIS ROSADA DE GIBERT

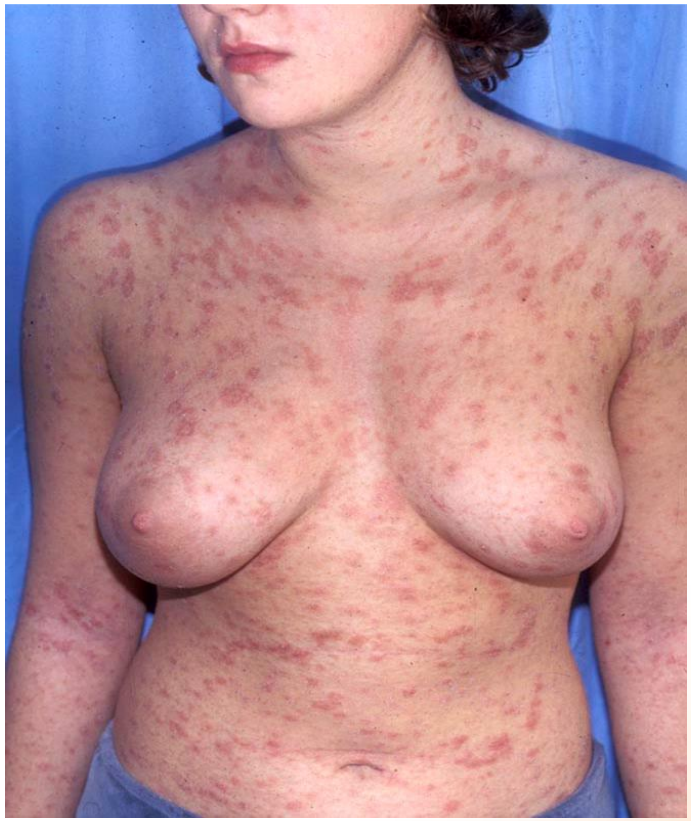
Rash agudo papulo eritematosa, descamativo autolimitado.

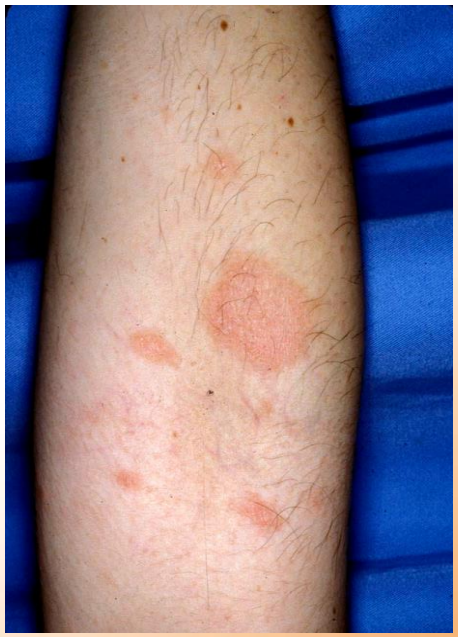
Placa heraldo. Pac. jóvenes, tórax.

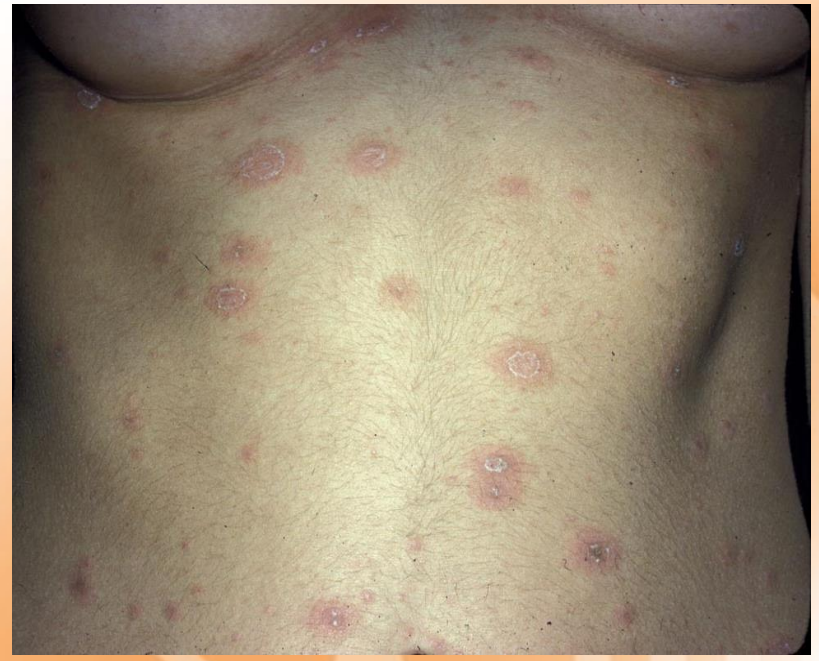
Etiología posiblemente vírica (virus herpes humanos tipos 6 y 7)

DD: secundarismo lues









MUCHAS GRACIAS

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