



ACADEMIA ESPAÑOLA
DE DERMATOLOGÍA
Y VENEREOLOGÍA



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DE DERMATOLOGÍA
Y VENEREOLOGÍA

Patrocina:



2025

AEDV Highlights

34ª edición
17-20 sep
PARÍS

Brilla el futuro de *la dermatología*,
donde nace *la luz*

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Brilla el futuro de *la dermatología*,
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Dermatopatología

Guillermo González López

Hospital Universitario Son Espases

Palma de Mallorca



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**NO TENGO CONFLICTOS
DE INTERÉS**



Entidades nuevas en dermatología infecciosa

Dr. Maria Teresa Fernández Figueras

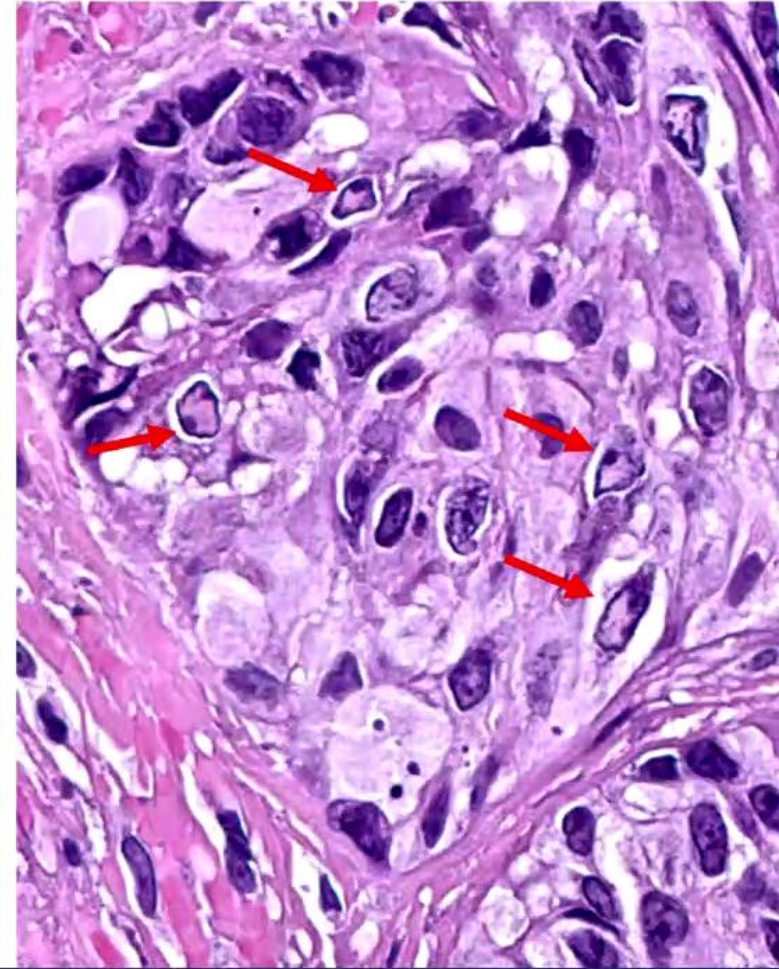
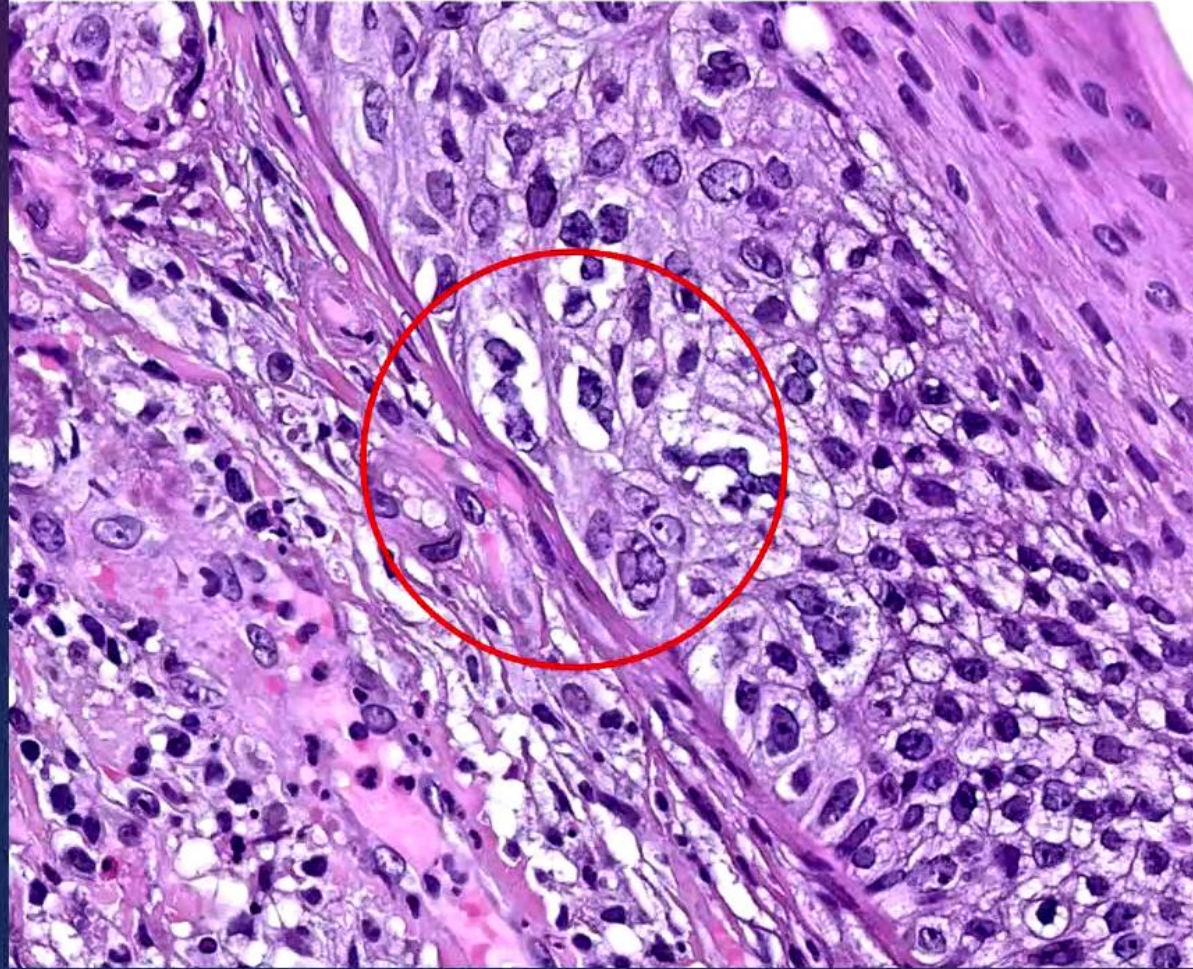
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Molding



Groundglass nuclei



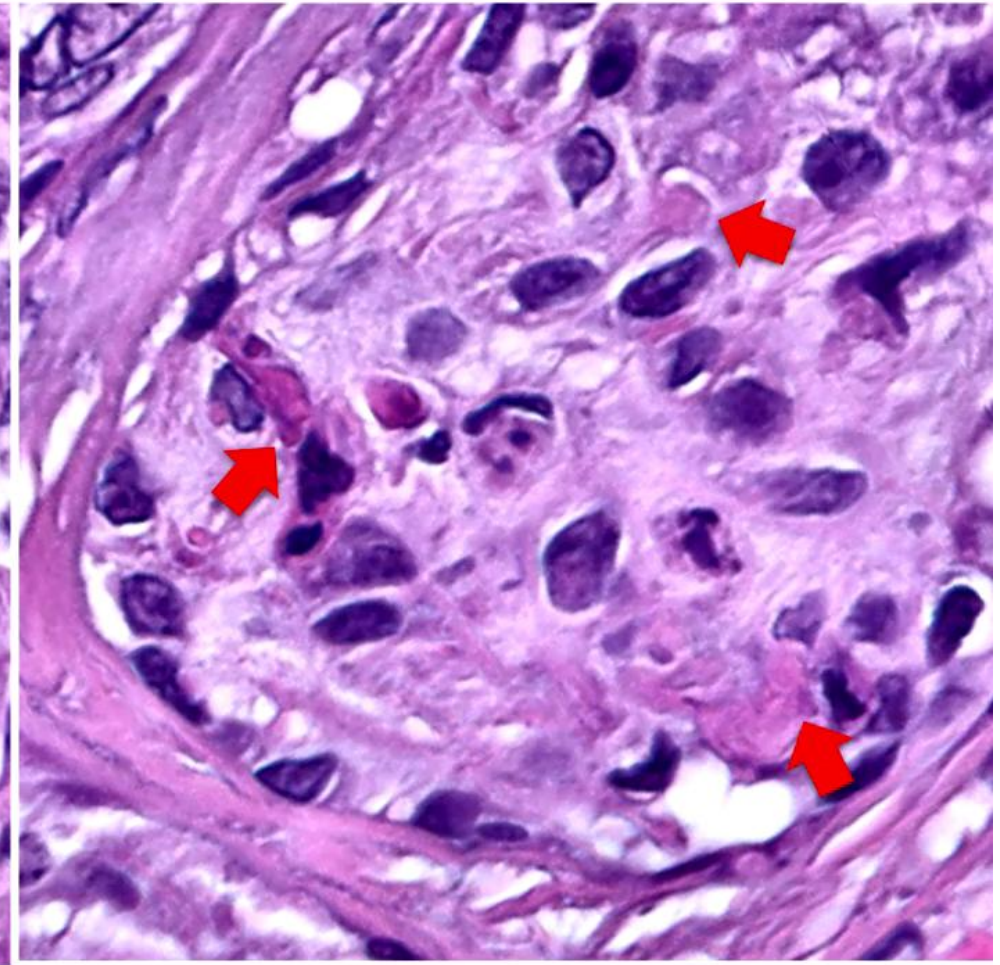
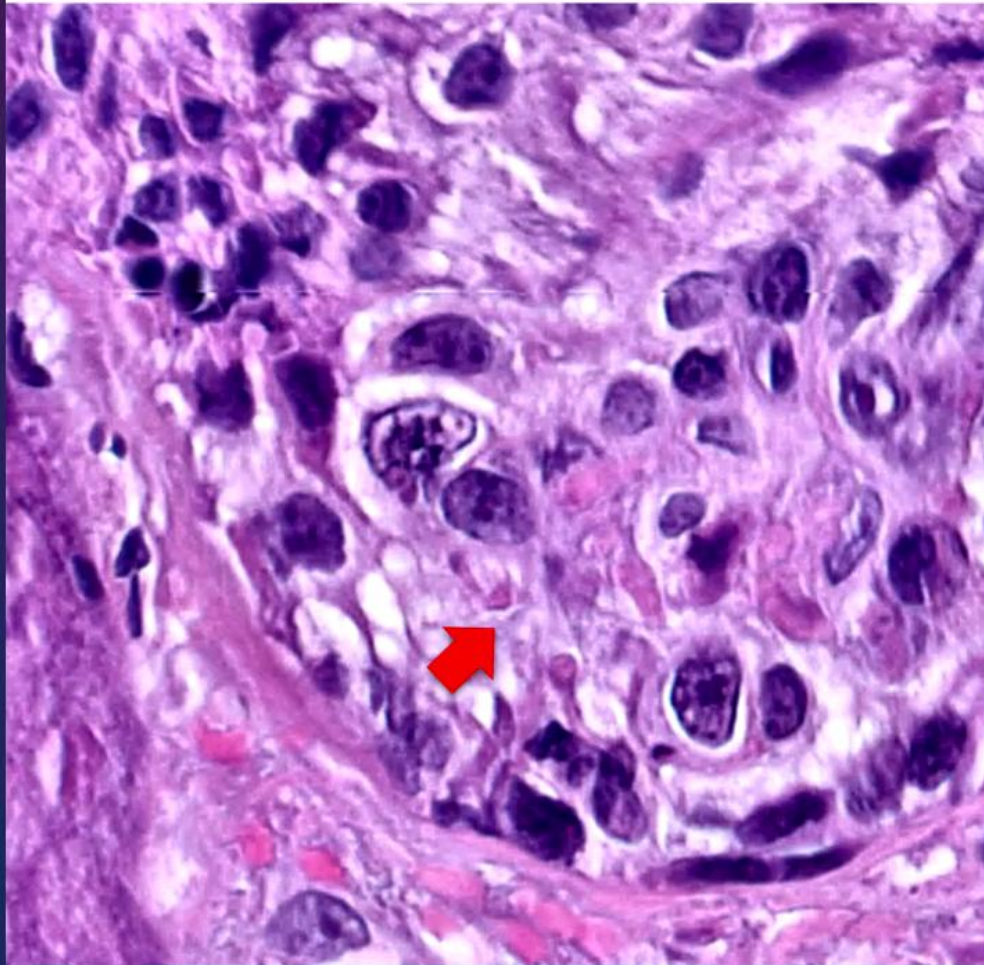
Entidades nuevas en dermatología infecciosa

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Eosinophilic cytoplasmic inclusions



Entidades nuevas en dermatología infecciosa

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Task Force highlights

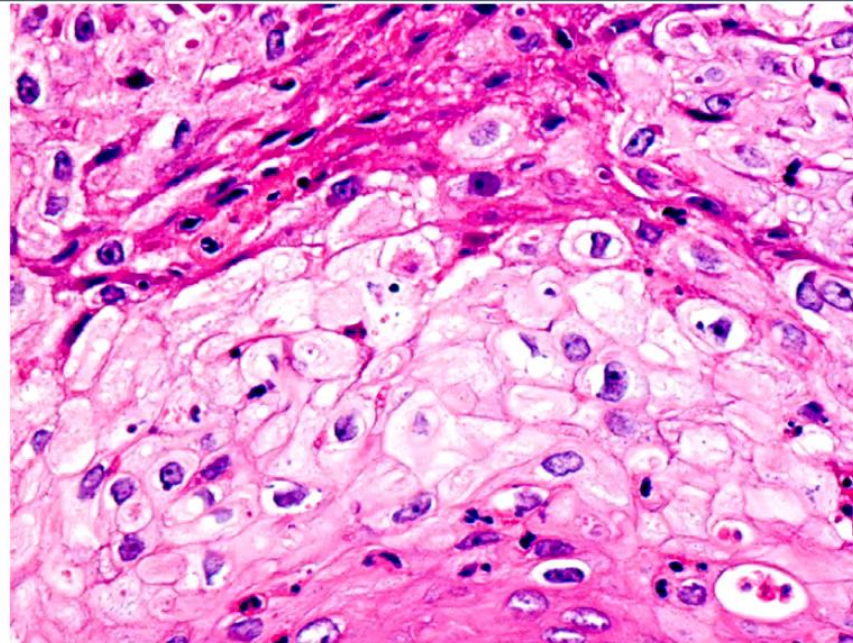
Chairs: Paola Pasquali, Franco Rongioletti

Clinical, histopathologic, immunohistochemical, and electron microscopic findings in cutaneous monkeypox: A multicenter retrospective case series in Spain

Francisco José Rodríguez-Cuadrado, MD,^a Laura Nájera, MD,^b Dolores Suárez, MD,^b Gala Silvestre, MD,^b Diego García-Fresnadillo, Pathology Technician,^b Gaston Roustan, MD,^a Laura Sánchez-Vázquez, MD,^c Margarita Jo, MD,^c Carlos Santonja, MD,^c María Concepción Garrido-Ruiz, MD,^d Ana María Vicente-Montaña, MD,^e José Luis Rodríguez-Peralto, MD,^b and Luis Requena, MD^f

J Am Acad Dermatol 2023;88:856-63

- Central necrosis
- Irregular acanthosis at the periphery
- Keratinocytes with abundant pale cytoplasm + eosinophilic inclusions
- Exocytosis of neutrophils mixed with necrotic remains of keratinocytes



Maria Teresa Fernández-Figueras

Dermatopathology 1: New and emerging entities in infectious dermatology

Entidades nuevas en dermatología infecciosa

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NEJM
Journal Watch

SUMMARY AND COMMENT | INFECTIOUS DISEASES

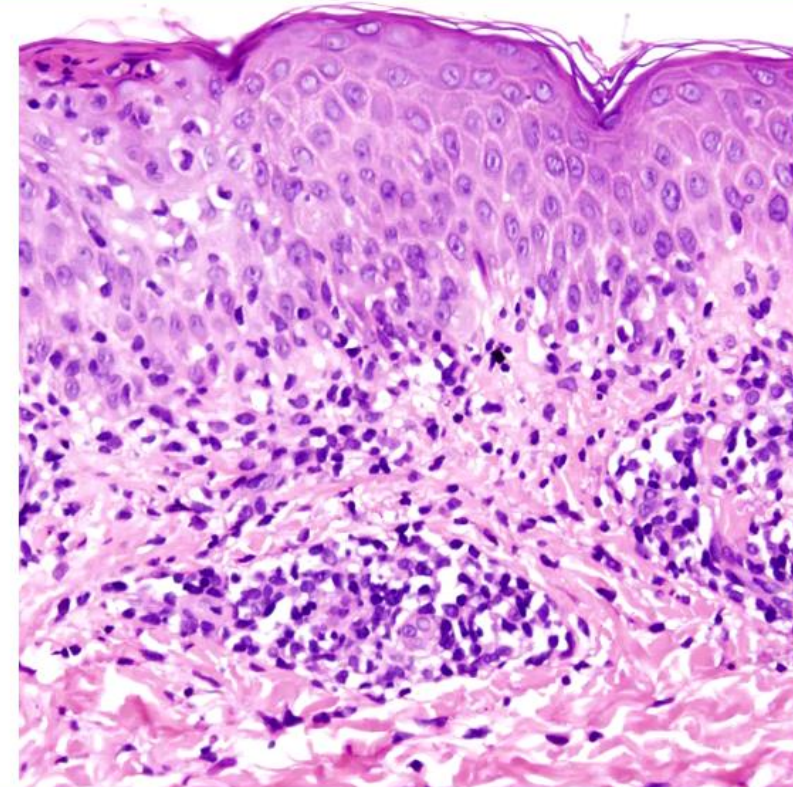
INFORMING PRACTICE

January 7, 2025

Mounting Incidence of Parvovirus B19 Infection and Associated Consequences

- Causes of increased circulation:
 - ✓ Efficient respiratory transmission
 - ✓ Absence of antiviral treatment
- Most common cutaneous manifestations
 - ✓ "Slapped cheek" rashes in children
 - ✓ Purpuric rashes with variable distribution (gloves and socks, bath suit)
- Non-pruritic rashes with fever, arthralgia, arthritis in healthy adults

Histopathology: wide range of **nonspecific** histological manifestations



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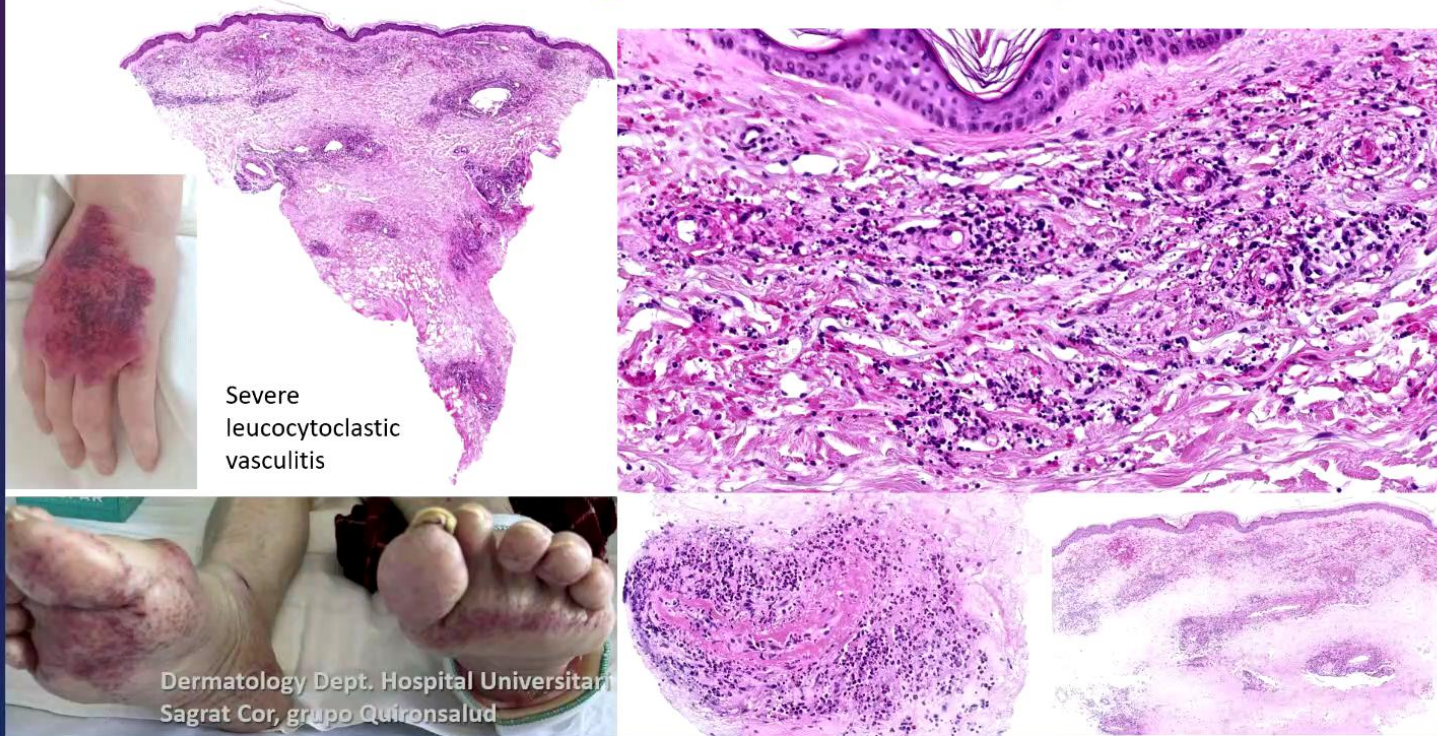
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Parvovirus B19: gloves and socks syndrome



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Dermatopathology 1: New and emerging entities in infectious dermatology

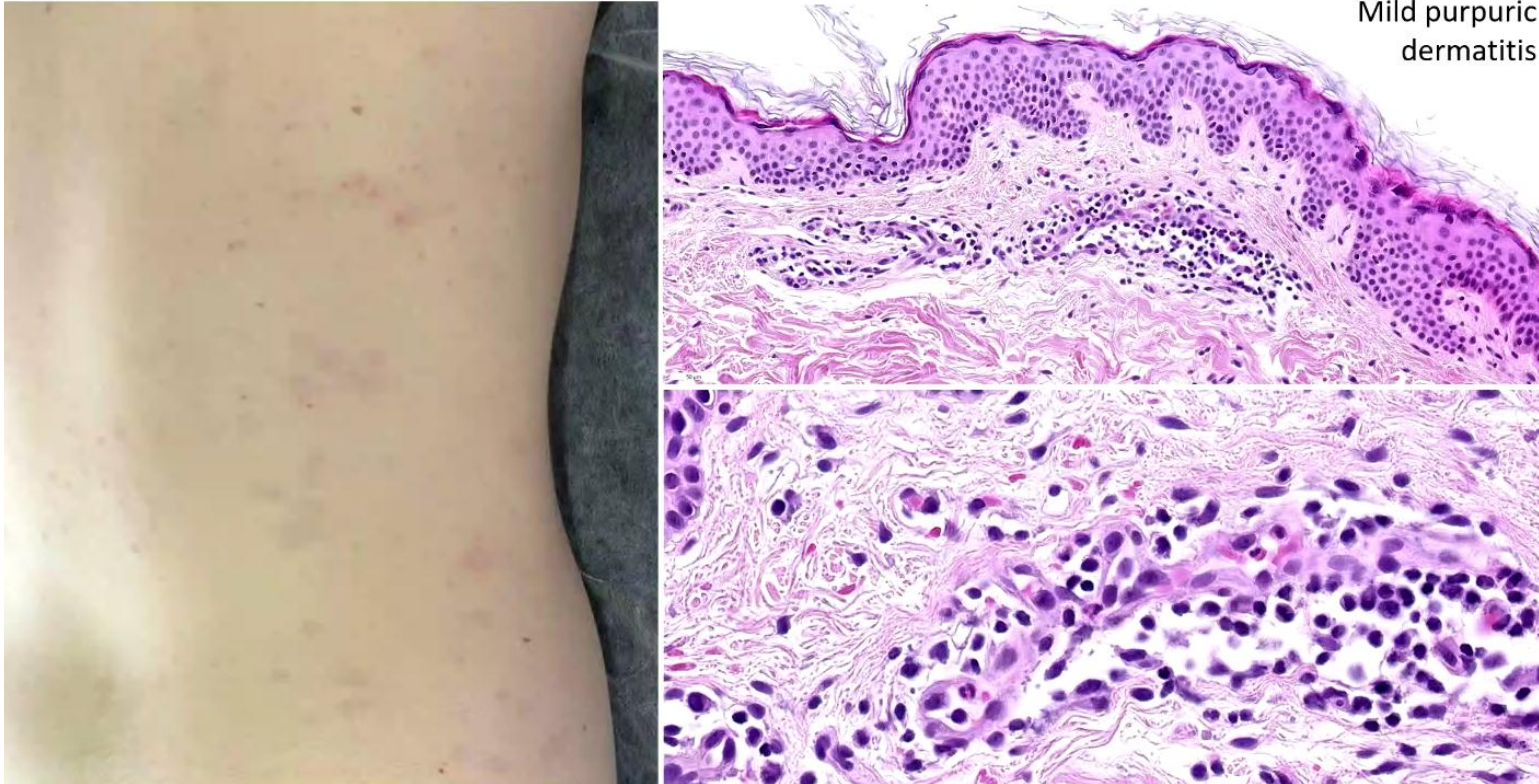
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Maculae cerulae



Mild purpuric
dermatitis

- Phthyrus pubis libera una sustancia anticoagulante.
- Puede verse en zonas extragenitales.

ALK-positive histiocytosis

- Rare subtype of histiocytic neoplasm
- Due to **ALK gene translocation** (*KIF5B::ALK* fusions, many other partner genes) and MAPK pathway activation
- Children and young adults, F>M
- 3 major groups
 1. Rarely in early infancy : **multisystem systemic form** with liver and hematopoietic involvement
 2. In children and adults: **multisystemic form**, without involvement of hematopoietic system
 3. **Single system disease** (skin or other organs)
- Neurologic involvement (50 % group 1 and 2)
- **Skin lesions** : solitary or multiple papules or nodules or subcutaneous masses



Kemps PG et al. Blood 2022; 139 (2) 256-280



Sylvie Fraitag

Dermatopathology 2: New and emerging entities in paediatric dermatology

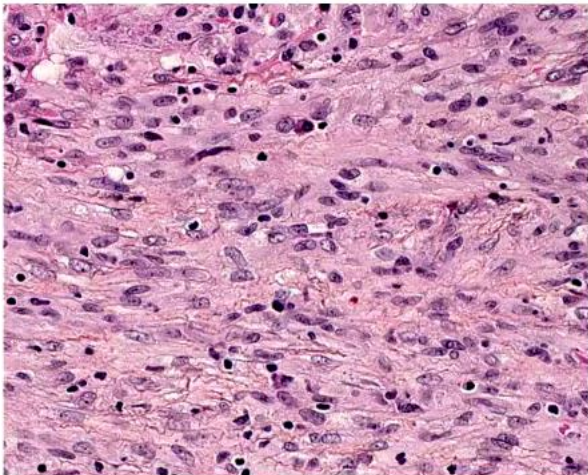
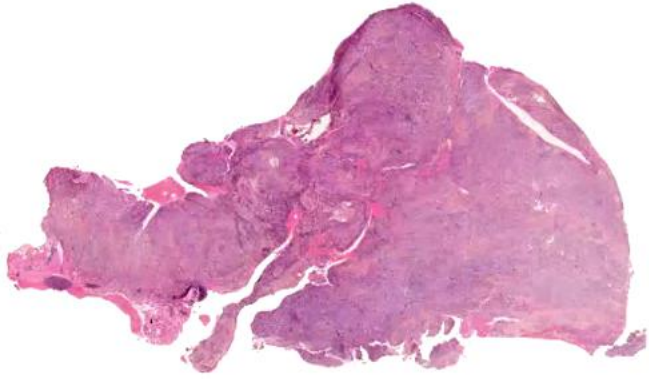
Entidades nuevas en dermatología pediátrica

Dr. Sylvie Fraitag

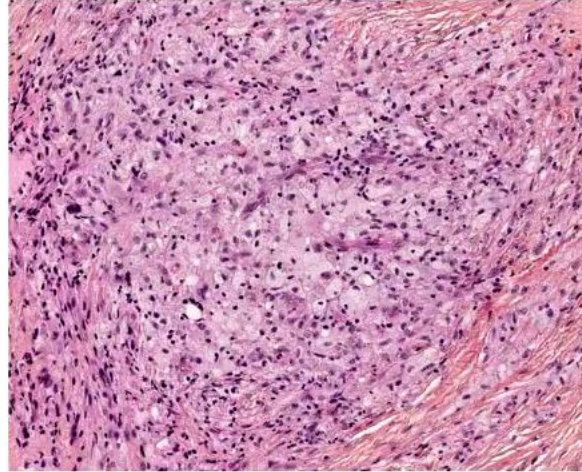
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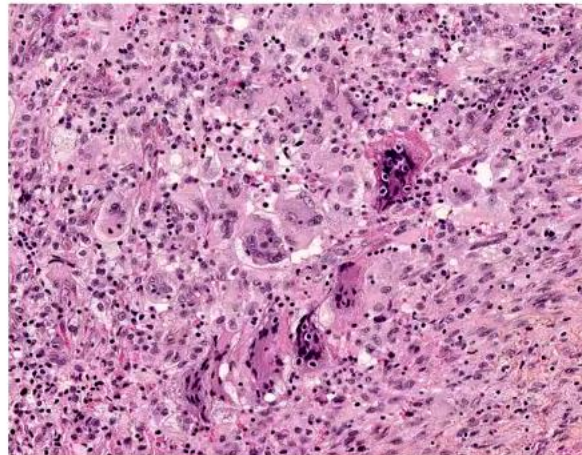
ALK-positive histiocytosis = « **XG family** »



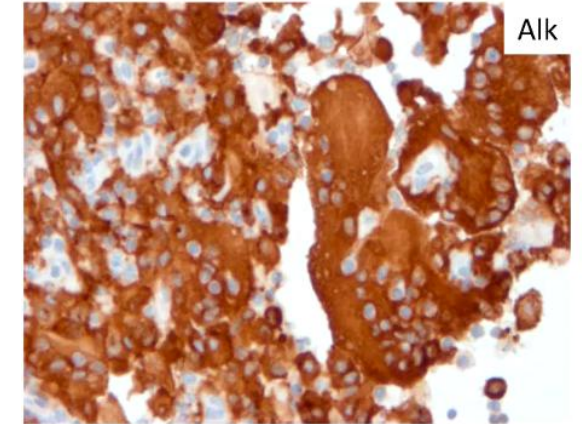
Spindled cells



JXG-like



RDD-like



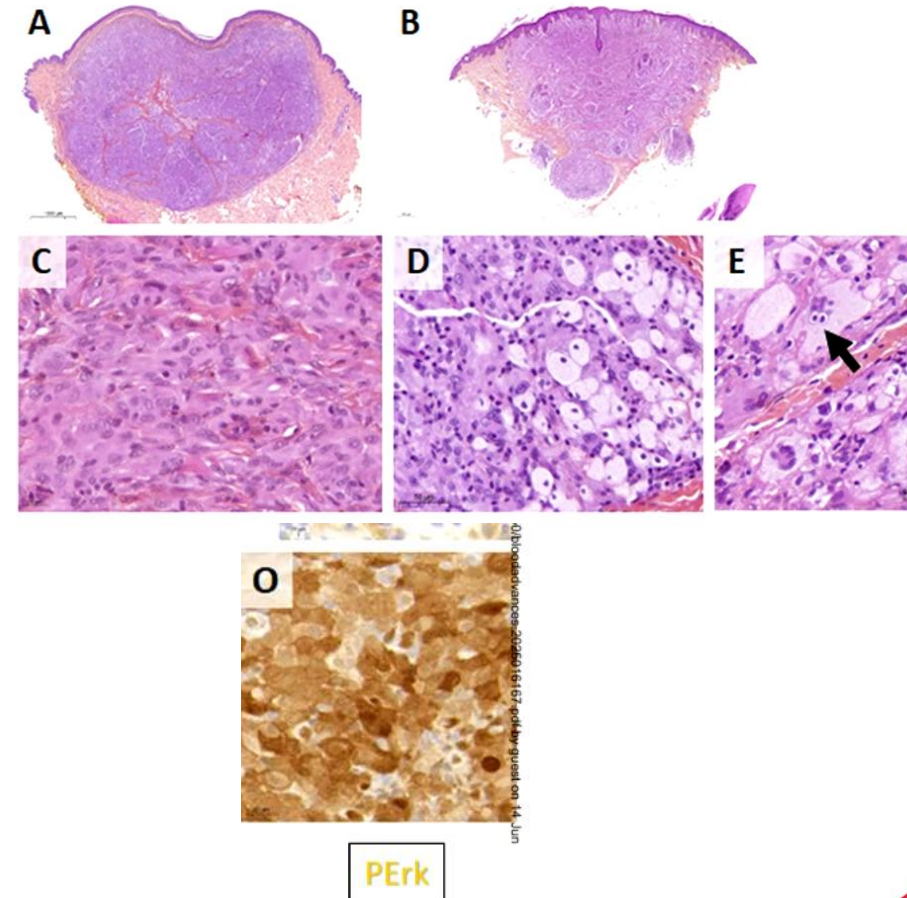
Alk

Puede beneficiarse
de inhibidores de
ALK

All cases: **XG-like aspect**

- 50 cases with pan-TRK expression and/or *NTRK* rearrangement
 - 30 children, 20 adults
 - M>F (64%)
- Most patients (88 %) **had disease limited to the skin:**
 - single nodule in 41 patients
 - **multiple lesions in 3 others**
- 2 patients: **life-threatening lesions** of the **brain** or **bronchus**
- **4 newborns** with skin lesions, hepatomegaly and **thrombocytopenia** requiring transfusions

Rivers Fragneau ¹, Sylvie Fraitaig ², Paul G Kemps ³, Zofia Helias-Rodzewicz ⁴, Jozsak Roy ⁵, Benjamin Bonsang ⁶, Allison L Bartlett ⁵, Subhra Dhar ⁷, Martin Jankovsky ⁸, Jozef Zlocha ⁹, Karel Svojcik ¹⁰, Lenka Kriskova ¹⁰, Andrica C H de Vries ¹¹, Robert M Verdijk ¹², Jan van Laar ¹, Roos Leguit ¹⁴, Philippe Drabent ¹⁵, Eric D Carlsen ¹⁶, Jonathan Ho ¹⁷, Arivarasan Karunamuthy ¹⁷, Manarita Santi ¹⁸, Marie-Laure Jullie ¹⁹, Florian Baboy ²⁰, Robert Lorschach ²¹, Astrid G S van Halteren ²¹, Sébastien Héritier ²², Eli I Diamond ²³, Benjamin H Durham ²⁴, Ashish R Kumar ²⁵, Arunakala Bhattacharya ²⁶, Julien Haroche MD, PhD ²⁷, Jean Donadieu ²⁸, Arndt Borkhardt ²⁹, Jennifer Picasic ³⁰, Jean-Francois Emile ¹



Entidades nuevas en dermatología pediátrica

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Task Force highlights

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Disseminated lesions of the XG-family in an infant

Systematic screening for *pathogenic mutation*

- IHC with Alk and PanTRK +/- molecular testing
 - *NTRK1*-rearranged histiocytosis
 - ALK-positive histiocytosis



Targeted therapy

McClain KL, et al *Nat Rev Dis Primers*. 2021 Oct 7;7(1):73

Zhang C et al. *J Pediatr Ophthalmol Strabismus*. 2021 Jul-Aug;58(4):e19-e21.



Pr P Vabres



Disseminated JXG



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Dermatopathology 2: New and emerging entities in paediatric dermatology

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Congenital/neonatal CD34+ plaque-like tumors

- Cohort of 11 spindle-cell CD34+ tumours. 6 boys, 5 girls
- Congenital/neonatal occurrence
- Infiltrated, purplish or pseudo-angiomatous plaques, some with nodules
- Rather large (1.5 to 10 cm in diameter) plaque mostly on the trunk
- *LMNA::NTRK1* fusion transcript (7/11)
- Indolent behavior, even regression (2/11)



Courtesy Dr L Requena



Courtesy Dr R Jamous, Beyrouth



Courtesy Dr Ozturk Sari, Istanbul



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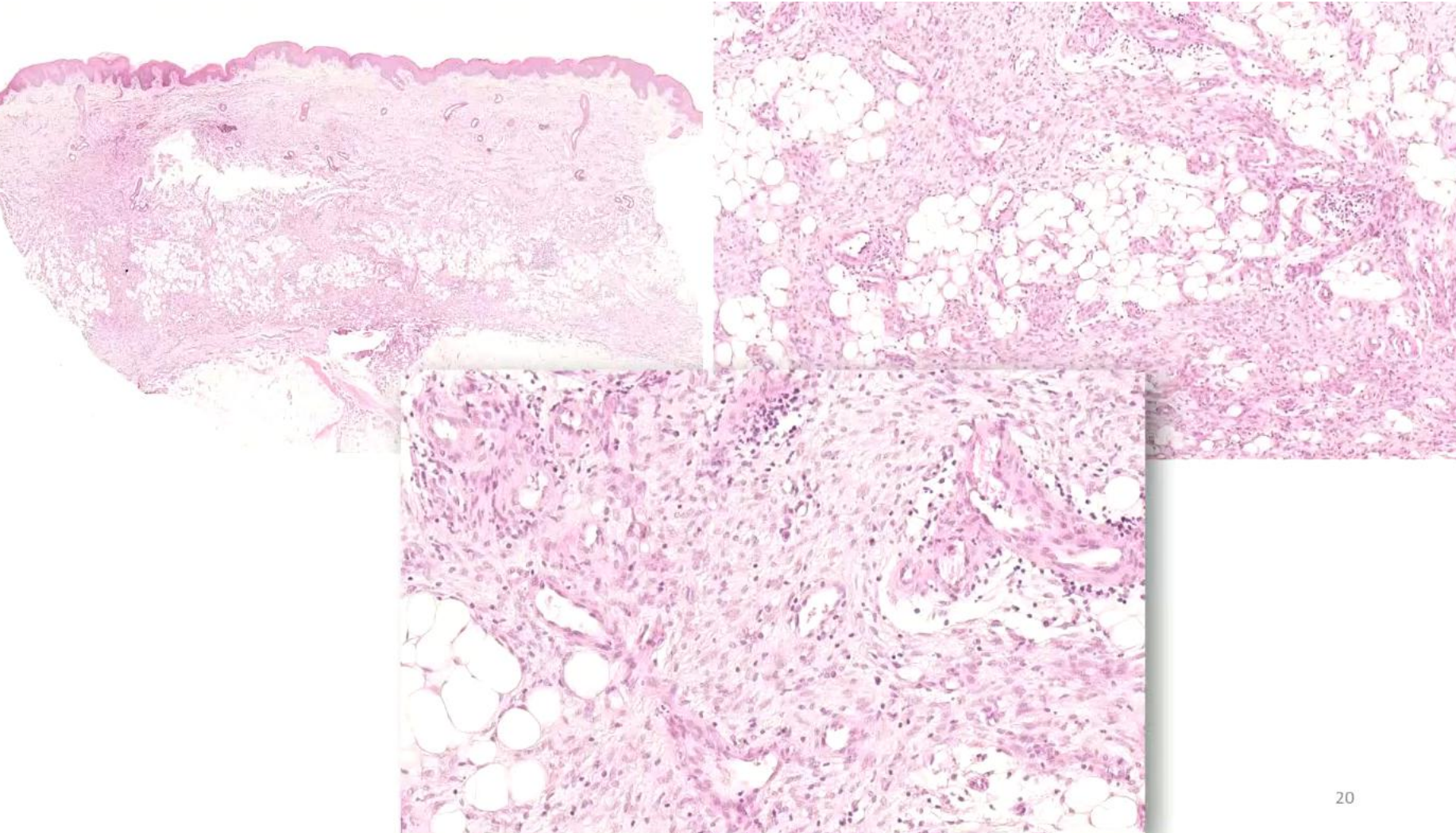
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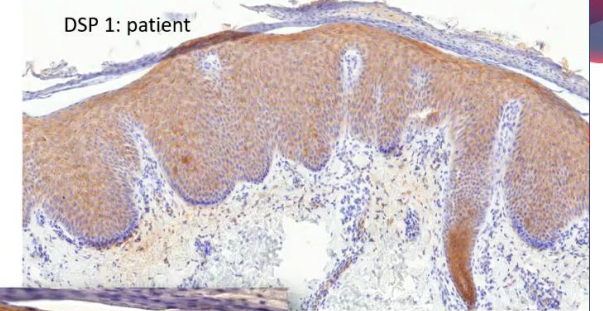
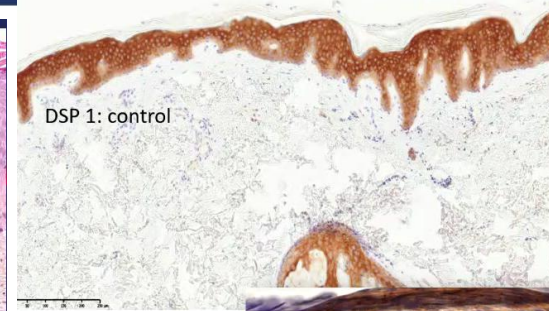
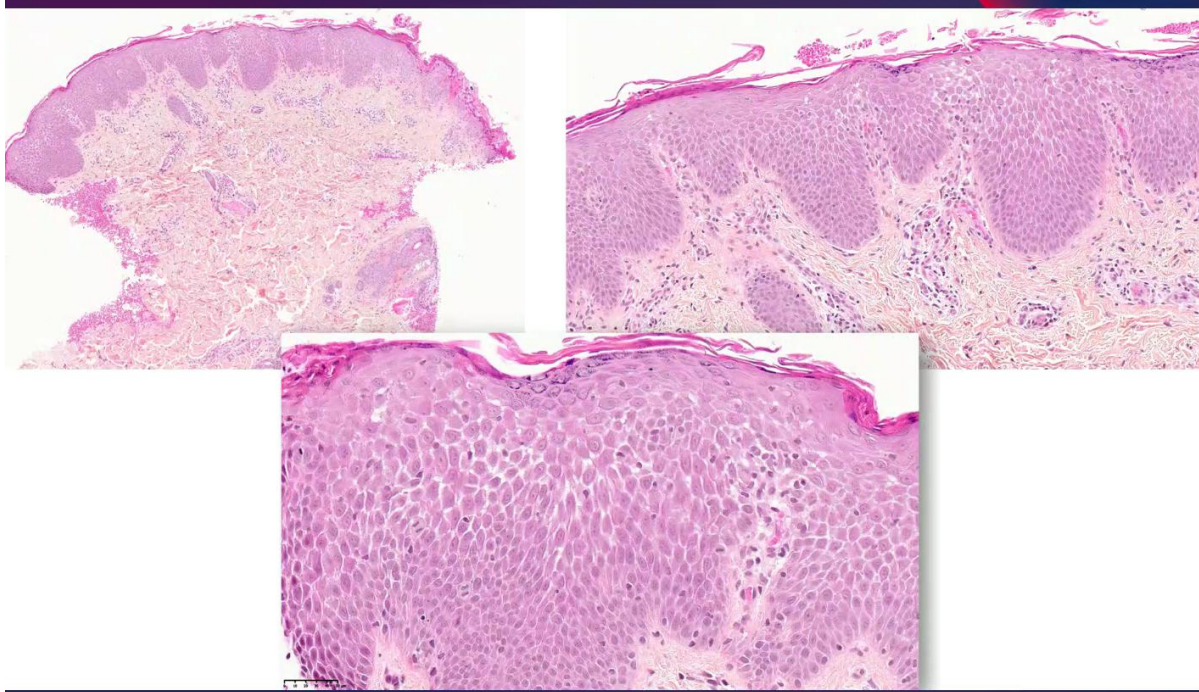
PanNTRK+
CD34+

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Familial desmosomal genodermatosis due to desmoplakin mutation

Desmoplakin



Facial discoid dermatosis

- Twenty-one cases
- More common in women (F : M ratio 17 : 4), in the third decade
- Lesions limited to the face and mainly on the cheeks
- Etiology is unknown
- Lesions remain stable for years and respond poorly to many topical and systemic treatments



FIGURE 1 | (a) Multiple pink-orange coloured, erythematous, scaly papule over the right cheek. (b) Erythematous and scaly papules on the face

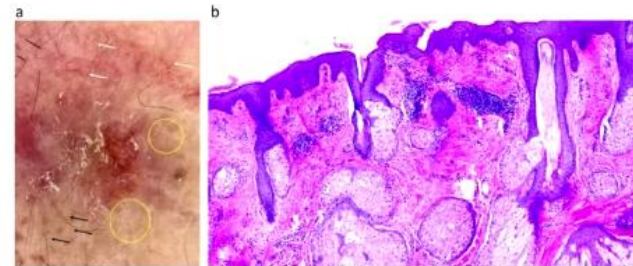


FIGURE 2 | (a) Dermoscopic examination showing brownish red structureless (haemorrhagic) areas, along with white scaling, central erosion and crusts, focal red dots and follicular plugging suggestive of Lupus Erythematosus. However, at the periphery, some elongated orange-brown follicles with a central white material (black arrow), areas of perifollicular white circles and lines (yellow circle) and polygonal vessels (white arrow) also resembled dermoscopic features of rosacea. (b) Photomicrograph of a skin biopsy specimen from the cheek of the patient presenting psoriasiform hyperplasia with parakeratosis and follicular plugging. (Hematoxylin-eosin stain, magnification x5).

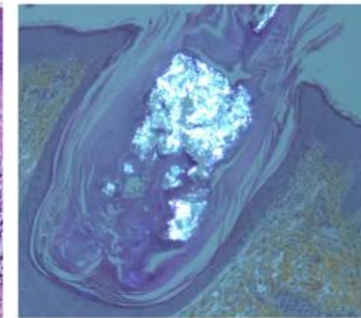
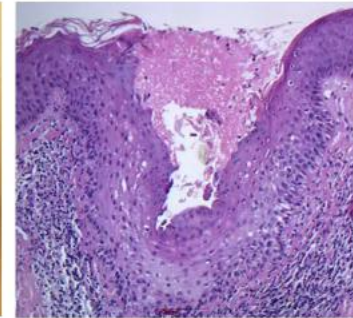
Entidades nuevas en dermatología inflamatoria

Prof. Franco Rongioletti

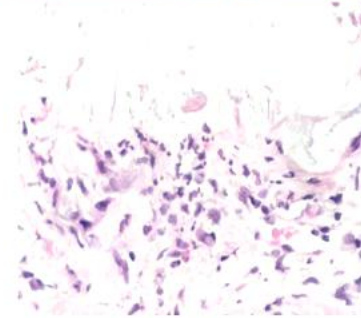
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(Necrotizing) crystalline infundibular folliculitis



- New entity described in 2001
- Adults of both sexes (mean age 55.8 years)
- Histology shows crystals embedded in the follicles
- Drug-induced cases in the setting of anti-cancer therapy



Obesity-associated lymphedematous mucinosis

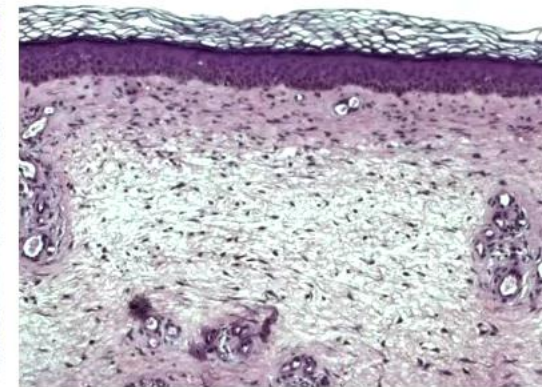
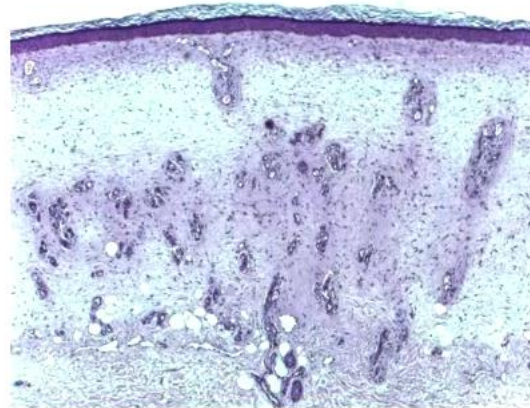
Tokuda Y et al Br J Dermatol 2005; Rongioletti F, et al. J Cutan Pathol. 2009;36



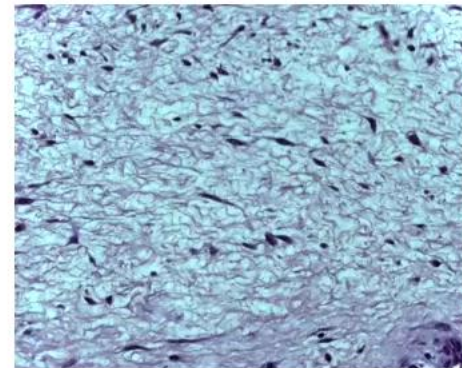
**Bilateral semitranslucent papules and nodules on the shin
of obese euthyroid patients with swollen pitting oedema of the legs**

Obesity-associated lymphedematous mucinosis

Ferrelli C, Pinna AL, Pilloni L, Rongioletti F. Dermatopathology (Basel). 2018



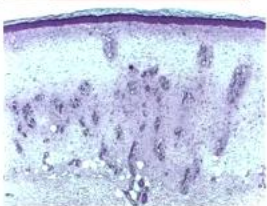
Mucin (oedema) in the superficial dermis
Epidermal atrophy with effacement of the rete ridge
Angioplasia with vertical running of vessels
Stellate or linear fibroblasts
Increased lymphatic vessels



Differential diagnosis



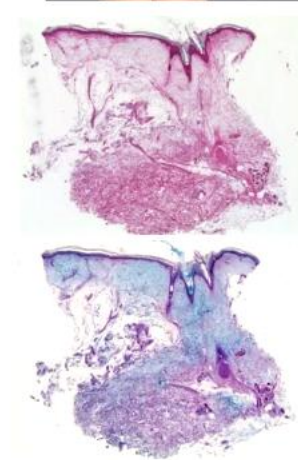
- **Obesity-associated lymphedematous mucinosis in euthyroid**



Epidermal atrophy
Angioplasmia
Oedema with Mucin in superficial dermis
Stellate or linear fibroblasts
Hemosiderin

- **“Pretibial myxedema” in Graves disease**

Acanthosis,
hyperkeratosis
No angioplasmia or hemosiderin
Mucin throughout the reticular dermis
Mastcells



¿Cambios secundarios a estasis

AESOP

Lipsker D.Medicine 2003; JAAD 2006



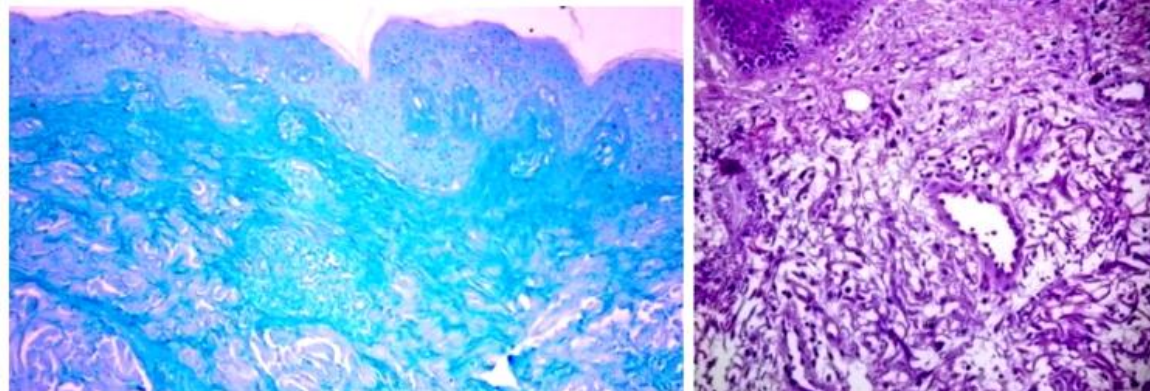
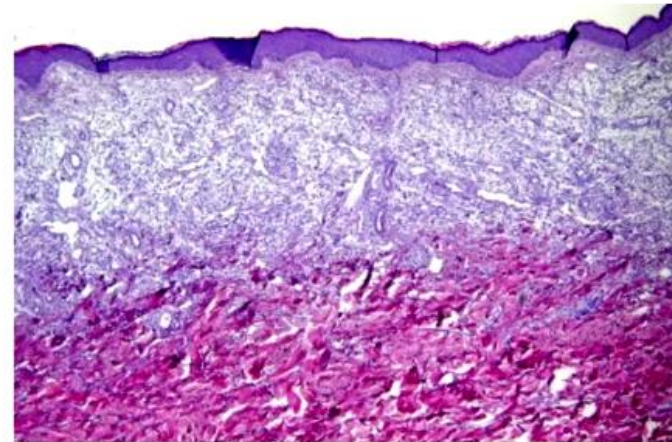
An enlarging red violaceous patch on the skin, usually on the thoracic region, which is the sign of an underlying solitary plasmacytoma of bones (sternum, rib)

AESOP

(Adenopathy and extensive patch overlying a plasmocytoma)

Medicine 2003,82

- Diffuse dermal mucin deposition in reticular dermis
- Vascular proliferation of small vessels with endothelial swelling (mucinous angiomatosis)



**Quizás
secundario a
factores de
crecimiento
liberados por
el tumor**



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La Academia Española de Dermatología y Venereología expresa su agradecimiento al patrocinador UCB, por su especial apoyo y contribución con la actividad formativa Highlights 2025.



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