



# **Atenolol como agente causador de Eritema Pigmentar Fixo Bolhoso**



Hospital Federal  
de Bonsucesso

**Larissa Toledo Souza**

**Natalia Mila Baleta**

**Egon Daxbacher**

**Daniel Lago Obadia**

**Clarissa Vita Campos**





# 1<sup>o</sup> consulta

**ID**

Mulher, 67 anos

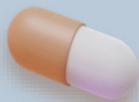
**HPP**

HAS e hipotireoidismo

Medicações: losartana, atenolol e levotiroxina

**HDA**

Há 2 anos: episódios recorrentes de placas e bolhas dolorosas disseminadas



Uso frequente de analgésicos e AINES para dor nos joelhos



**Região inguinal à  
esquerda**



**Região inguinal à  
direita**



**1º quirodáctilo  
direito**



**Dorso de pé esquerdo**



**Axila esquerda**



**Braço esquerdo**



**Cotovelo esquerdo**





**Ulcerações  
dolorosas em  
língua e  
palato que  
dificultavam a  
alimentação**

# Hipóteses diagnósticas:

Eritema  
Pigmentar  
Fixo Bolhoso

Líquen  
Plano Bolhoso

# CONDU<sup>T</sup>A

Realizada  
Biópsia de pele

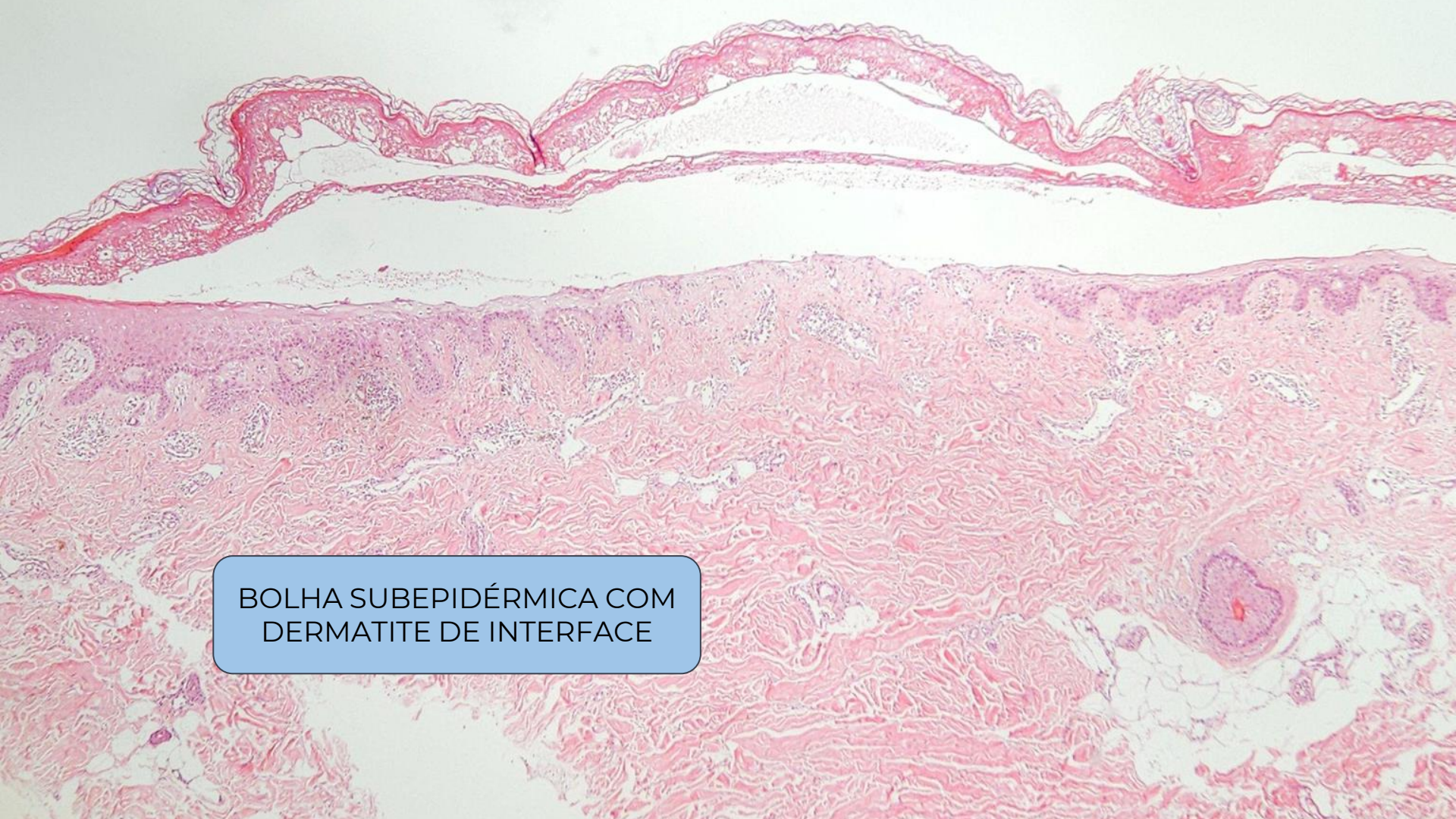
Suspensos AINEs e  
analgésicos

Corticoterapia  
tópica

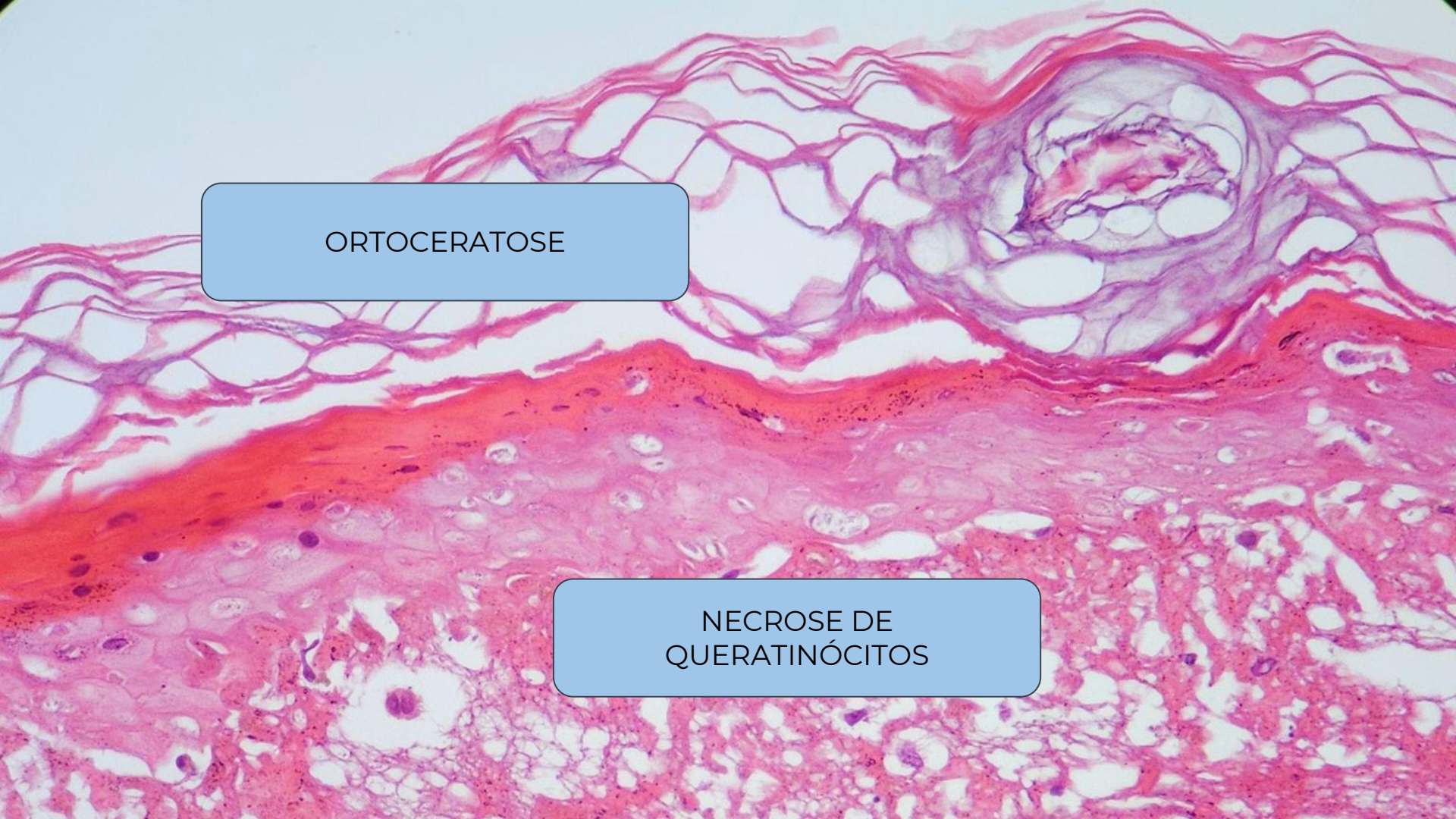
Ainda com  
aparecimento de  
novas lesões

Após  
3 meses





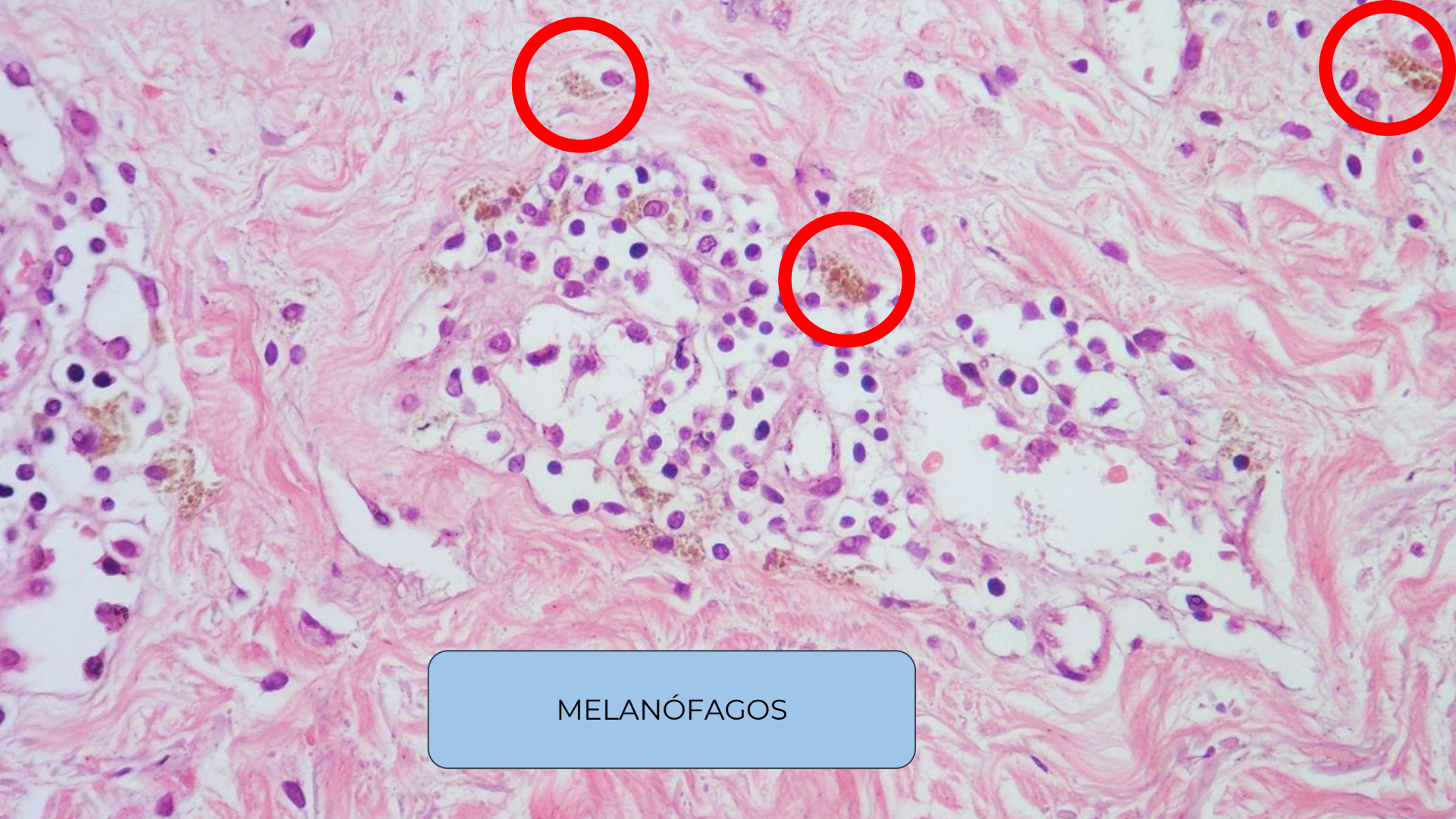
BOLHA SUBEPIDÉRMICA COM  
DERMATITE DE INTERFACE



ORTOCERATOSE

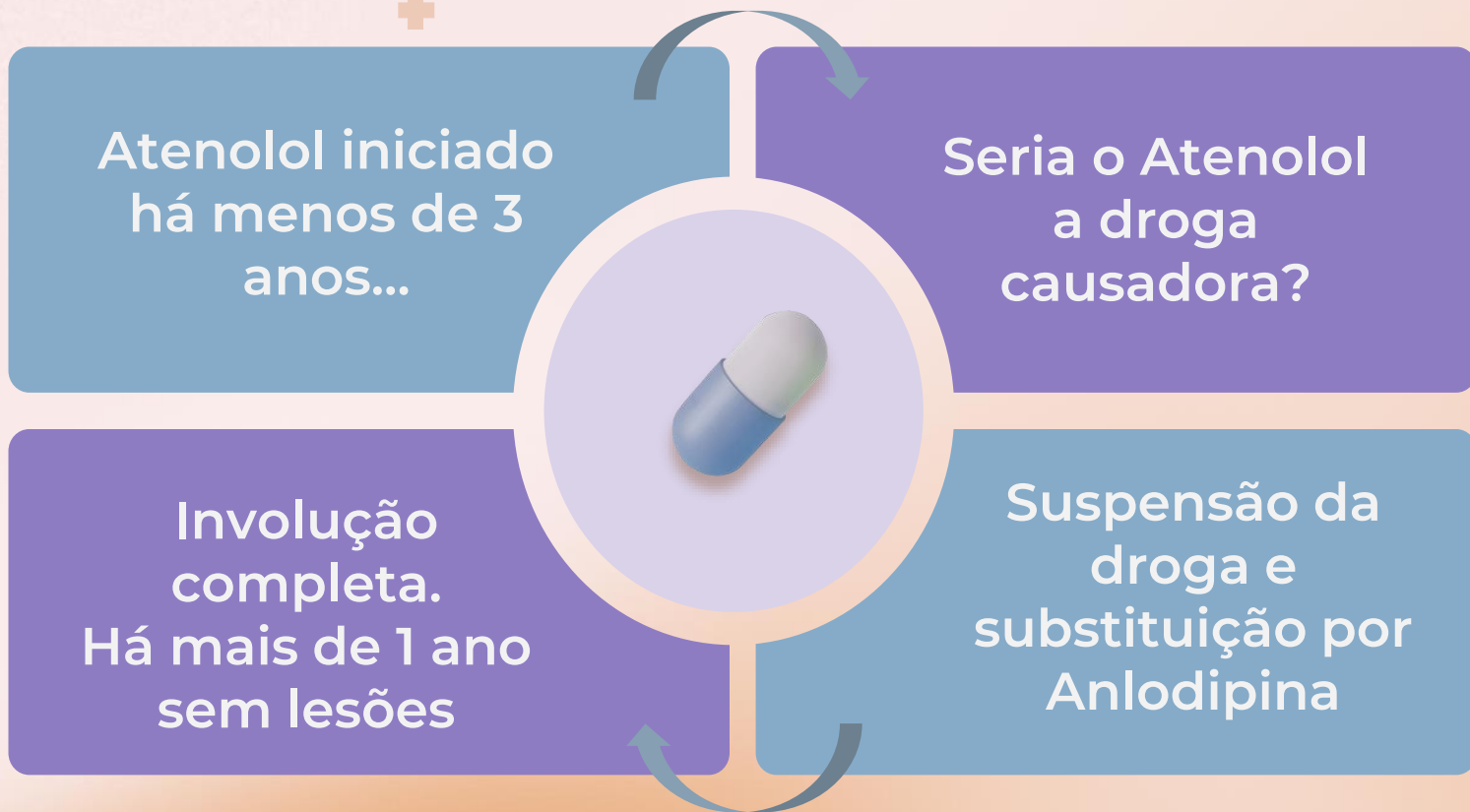
This histological slide shows a cross-section of skin. The upper portion features a thick, well-organized layer of keratin (orthokeratosis) with a distinct granular layer beneath it. A large, circular structure, likely a hair follicle or sebaceous gland, is visible in the upper right. The lower portion of the slide shows the epidermis with numerous keratinocytes. Some of these cells exhibit signs of necrosis, characterized by their shrunken appearance and pyknotic nuclei. The overall staining is pink and purple, typical of H&E.

NECROSE DE  
QUERATINÓCITOS



MELANÓFAGOS

# Consulta de retorno





# Portanto... EPFB Generalizado

Medicina. 2021; 57(9):925.



Cabeça e pescoço, tórax, dorso, membros superiores, membros inferiores e genitália

Lesões  
típicas

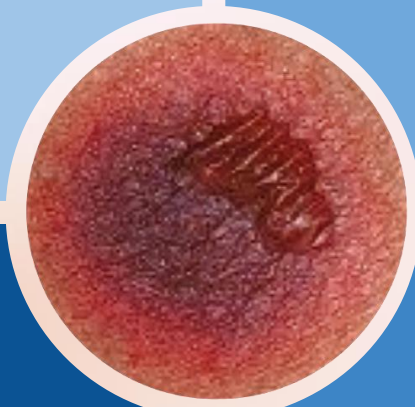
$\geq 10\%$

$\frac{3}{6}$

Sítios  
específicos

**Reação bolhosa no mesmo sítio a cada re-exposição à droga.**

**O diagnóstico é clínico.  
HPT para ajudar em diagnósticos diferenciais.**



**Lesões aumentam em tamanho e em número a cada nova ingesta.**

**Tratamento: sintomático e principalmente a suspensão da droga causadora.**

# Fixed drug eruption induced by atenolol

H Belhadjali  
O Trimech  
M Youssef  
I Elhani  
J Zili

Department of Dermatology,  
Fattouma Bourguiba Hospital,  
Monastir, Tunisia

**Abstract:** Fixed drug eruption (FDE) is characterized by recurrent well-defined lesions in the same location each time the responsible drug is taken. We report here a case of multiple FDE induced by atenolol in a 48-year-old woman confirmed by positive patch test in previously affected sites. Beta-blockers-induced FDE are very rare. Only two cases had been reported in the literature. To the best of our knowledge, this is the first case reported of atenolol-induced FDE confirmed by a positive patch test.

**Keywords:** fixed drug eruption, patch test, atenolol, beta-blockers

## Introduction

Fixed drug eruption (FDE) is characterized by recurrent well-defined lesions in the same location each time the responsible drug is taken. We report here a rare case of FDE induced by atenolol, a beta-adrenoreceptor-blocking agent.

## Patch test

- Somente positivo em área previamente acometida
- Não é necessário para o diagnóstico

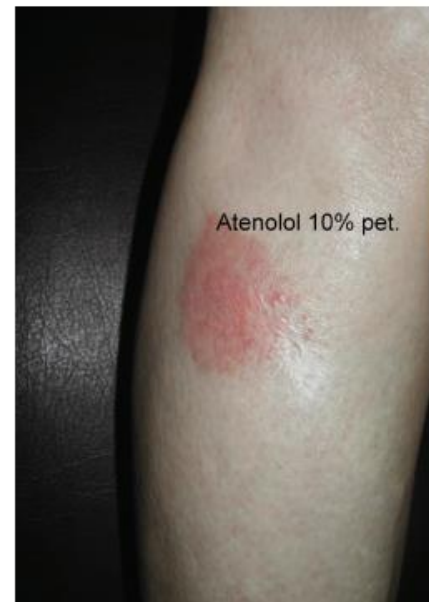
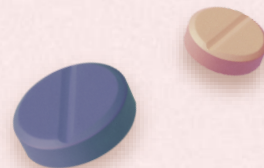
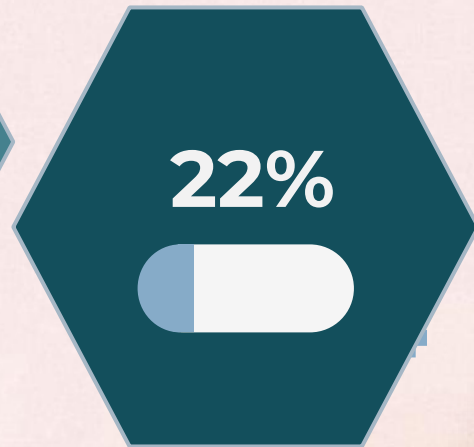
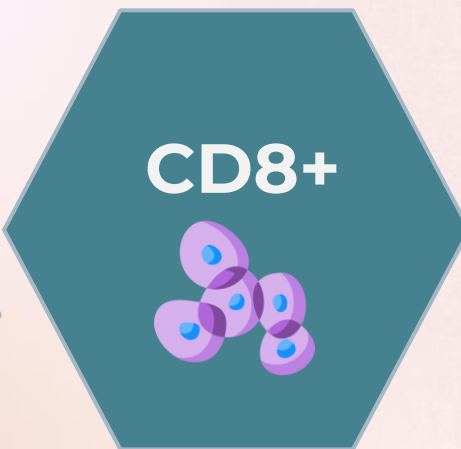
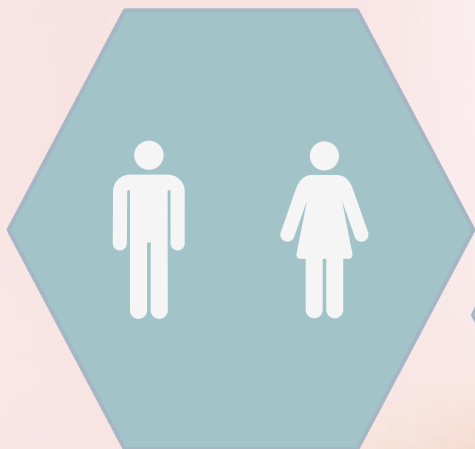
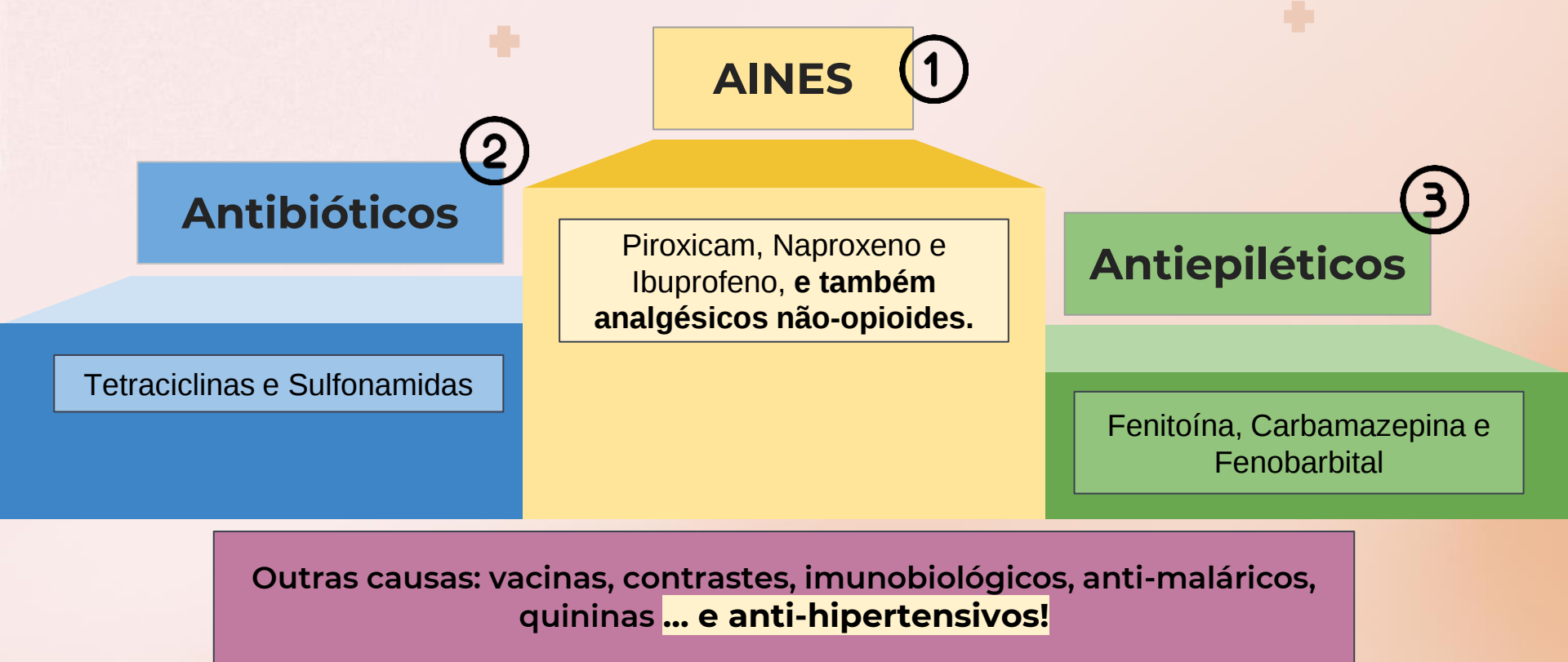


Figure 2 Positive patch test with 10% atenolol in petrolatum.



# + Principais drogas envolvidas no EPFB



# Reações cutâneas aos betabloqueadores

Penfigoide  
induzido por  
drogas

Pênfigo  
induzido por  
drogas

Eritema  
multiforme

Indução ou  
exacerbação  
de psoríase,  
vitiligo e  
lúpus  
eritematoso  
cutâneo

Penfigoide de  
membrana  
mucosa

EPFB

Erupção por  
droga liquen  
plano-like



Search: (((atenolol) OR (beta blocker)) OR (betablocker)) OR (beta 1 blocker) AND (((generalized bullous fixed drug) OR (bullous fixed drug eruption)) OR (bullous fixed drug)) OR (fixed drug eruption)

Save

Email

Send to

Sort by:

Best match

Display options



JAAD

Journal of the  
American Academy of Dermatology

CLINICAL DERMATOLOGY AND OTHER CUTANEOUS DISORDERS | VOLUME  
64, ISSUE 2, SUPPLEMENT 1, AB52, FEBRUARY 2011

# Fixed drug eruption caused by bisoprolol

DOI: <https://doi.org/10.1016/j.jaad.2010.09.233>



# Atenolol

$\beta$ 1 seletivo

Hipertensão



Angina



Arritmias



**Somente 2 casos  
descritos na  
literatura**



NIH National Library of Medicine  
National Center for Biotechnology Information

Log in

PubMed®

Fixed drug eruption and atenolol

Advanced Create alert Create RSS User Guide

Save Email Send to Sort by: Best match Display options

MY NCBI FILTERS

RESULTS BY YEAR

2013 2023

1 result

2 articles found by citation matching

Fixed drug eruption induced by atenolol.  
Belhadjali H, et al. Clin Cosmet Investig Dermatol. 2009. PMID: 21437137 [Free PMC article](#).

Fixed drug eruption due to atenolol: a case report.  
Palungwachira P, et al. J Med Assoc Thai. 1999. PMID: 10659553



OBS: Nenhum  
deles relata  
caso bolhoso e  
nem com  
acometimento  
mucoso!

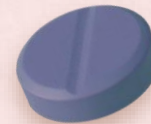


# Mensagem da apresentação

Apesar da raridade, os betabloqueadores devem ser incluídos na suspeição diagnóstica de eritema pigmentar fixo, já que são medicações amplamente utilizadas no tratamento de doenças cardíológicas.



# Referências



1. Anderson HJ, Lee JB. A Review of Fixed Drug Eruption with a Special Focus on Generalized Bullous Fixed Drug Eruption. *Medicina*. 2021 Sep 1;57(9):925.
2. Palungwachira P, Palungwachira P. Fixed drug eruption due to atenolol: a case report. *Journal of the Medical Association of Thailand = Chotmaihet Thangphaet* [Internet]. 1999 Nov 1 [cited 2023 Jun 14];82(11):1158–61.
3. Belhadjali H, Trimech O, Youssef M, Elhani I, Zili J. Fixed drug eruption induced by atenolol. *Clinical, Cosmetic and Investigational Dermatology* [Internet]. 2009 Apr 24 [cited 2023 Jun 14];1:37–9.
4. Zaccaria E, Gualco F, Drago F, Rebora A. Fixed drug eruption due to propranolol. *Acta Dermato-Venereologica* [Internet]. 2006 [cited 2023 Jun 14];86(4):371.
5. Bonnetblanc JM. Toxidermies dues aux bêta-bloquants [Drug eruptions caused by beta-blockers]. *Ann Med Interne (Paris)*. 1984;135(8):639-41. French. PMID: 6152136.
6. Patel S, John AM, Handler MZ, Schwartz RA. Fixed Drug Eruptions: An Update, Emphasizing the Potentially Lethal Generalized Bullous Fixed Drug Eruption. *Am J Clin Dermatol*. 2020 Jun;21(3):393-399. doi: 10.1007/s40257-020-00505-3. PMID: 32002848.
7. Özkaya E. Oral mucosal fixed drug eruption: characteristics and differential diagnosis. *Journal of the American Academy of Dermatology* [Internet]. 2013 Aug 1 [cited 2023 Jun 14];69(2):e51-58.





**Obrigada!**  
**[dra.larissatoledosouza@gmail.com](mailto:dra.larissatoledosouza@gmail.com)**

