Anti-tumor necrosis factor alpha-induced drug eruptions: one patient, more than a pattern

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Case Presentation

Female, 43-years-old

1. Crohn’s disease
   • Since the age of 37, severe perianal disease
   • Infliximab 5 mg/Kg

2. Plaque psoriasis
   • Diagnosed at the age of 32
   • Scalp, elbows, but no symptoms for the past 8 years: PASI 0
Infliximab 0, 2, 6 wk, and then:
Infliximab 0, 2, 6 wk, and then:
Sweet-like neutrophilic dermatosis
Case Presentation

- **Sweet-like neutrophilic dermatosis: possible drug-induced reaction**
  - 13.4 x10⁹ leucocytes, 9.6 x10⁹ neutrophils, PCR 31.7 mg/L
  - Negative autoimmune + infectious serologies
  - Infliximab was discontinued
  - Treatment with cyclosporine + calcipotriol/betamethasone dipropionate
  - Complete resolution
  - After washout period, switch to adalimumab
Adalimumab 0, 2 wk (160, 80 mg), and then:
Psoriasiform drug eruption
Case Presentation

- Psoriasiform drug eruption
  - Treatment through (calcipotriol/betamethasone dipropionate)
  - Maintain adalimumab
  - Partial response
Discussion

1. Psoriasis / psoriasiform drug eruptions
   • Class effect of anti-TNFα
   • Paradoxical and idiosyncratic adverse events of unclear aetiology
   • Histopathological analysis of these eruptions remains insufficient
     • Psoriasiform pattern +++, lichenoid pattern +

2. This patient:
   • Genetic predisposition (Crohn’s disease – psoriasis)
   • Koebner phenomenon
   • 2 patterns: one atypical and paradoxical (Sweet-like)
     • Predisposed by Crohn’s disease (only one previous report in a patient with Crohn’s disease treated with adalimumab)
     • Induced by infliximab (used to treat Sweet’s Syndrome)
in Conclusion...

- The sequential identification of two different histopathological patterns of anti-TNFα-induced eruptions in the same patient is an infrequent and atypical event.
  
  
  Infliximab-induced Sweet-like dermatosis: singular case report

- There may be an asymmetry between clinical and histopathological findings when considering psoriasiform eruptions.

- Distinct patterns may disclose different mechanisms underlying these eruptions.
REFERENCES