the skin-ny on cellulitis

what is cellulitis?

Cellulitis is an inflammatory reaction of the deep dermis and subcutaneous tissue of the skin as the result of bacterial infiltration. Cellulitis may be purulent or non-purulent, and is almost always unilateral. Erysipelas is a type of cellulitis that is described as a sharply demarcated infection of

and physical exam

cellulitis signs and symptoms





poorly-demarcated erythema



edema

most common microbes

A Streptococcus

Streptococcus pyogenes

Gram-negative aerobic bacilli

Pasturella (animal bites)

predisposing factors

skin barrier disruption immunosuppression impaired lymphatic drainage

inflammatory skin condition

IV drug use

obesity

treatment 🗇



Treatment of cellulitis involves antibiotic therapy. Indications for parenteral therapy include clinical progression of disease after 48 hours of oral antibiotics or inability to tolerate oral therapy. Cefazolin is recommended for IV and cephalexin for oral therapy.

- · Systemic infection (fever, tachycardia, hypotension)

NSAIDS and steroids are not recommended as they can mask inflammation and delay treatment or diagnosis of a more severe soft tissue infection.

complications



endocarditis







prevention

- treat predisposing underlying conditions
- compression therapy for those with chronic venous insufficiency
- suppressive antibiotic therapy for those with recurrent infections whose underlying conditions cannot be fully treated

