

ERYSIPELAS

Erysipelas is a distinct type of superficial cutaneous cellulitis with marked dermal lymphatic vessel involvement caused by group

Δ

 β -hemolytic streptococcus (very uncommonly group C or G streptococcus) and rarely caused by S.

aureus

- . In the newborn, group B streptococci can cause erysipelas.
- Lymphedema
- , venous stasis, web intertrigo

, and obesity are risk factors in the adult patient.

In the absence of underlying edema or other skin abnormalities, erysipelas

usually begins on the face or a lower extremity, heralded by pain, superficial erythema, and plaque-like edema with a sharply defined margin to normal tissue . These findings are often described as

peau

d'orange

appearance. In the presence of antecedent edema or other anatomic abnormalities, the margin between normal and diseased soft tissue may be obscure, much as in primary cellulitis

. There may not be an obvious portal of entry, and skipped areas may confuse the nature of the process. Facial erysipelas is less frequent than lower extremity disease and begins unilaterally but may spread by contiguity over the nasal prominence to involve the face symmetrically . The oropharynx

may be a portal of entry, and throat culture may show GAS. Inflammatory edema may extend to the eyelids, but orbital complications are rare. Fever may precede local signs, and, occasionally, before distal extremity

findings, patients complain of groin pain caused by swelling of a femoral node. Lymphangitis and abscess are very rare, but the process may spread rapidly from the initial lesion. Occasionally, in addition to rapid spread of the erythematous

, edematous plaque,

bullae

may form in the involved area.

☐ Etiology of Soft-Tissue Infections

TYPE OF INFECTION				
MOST COMMON CAU	SE(S)			
UNCOMMON CAUSES	3			
Erysipelas				
Group A streptococcus				
Group B, C, and G stre	p Stapbylo goccus	aureus		
Cellulitis				
S.	aureus	,	group A streptococcus	
Group B, C, and G stre	p,t &toepto coccus	iniae	;	Pneum
Cellulitis	in children			
S.	aureus	,	group A streptococcus	

Group B streptococcus	(neonates)		
Facial/	periorbital	cellulitis	
S.	aureus	,	group A streptococcus
Neisseria	meningitides, H.	influenzae	(young children)
Perianal	cellulitis		
Group A streptococcus			
S.	aureus		
Cellulitis	second degree to	bacteremia	
Pseudomonas	aeruginosa		

V.	vulnificus	; S.	pneumoniae	;
Crepitant	cellulitis			
Histotoxic	Clostridia	sp., (C.	perfrin
Bacteroides	sp.;	Peptostreptococci	;	E. coli
Cellulitis	associated with water	exposure		
E.	rhusiopathiae	(erysipeloid)
V.	vulnificus	,	Aeromonas	hydrop
Gangrenous	cellulitis	(infectious gangrene)		

NF			
Streptococcal gangrene			
Group A streptococcus			
Groups B, C, and G stre	ptococcus		
Nonstreptococcal	NF		

Mixed infection with one	e Reptostræpta e colo es (or	Bacteroides)
Synoraistic pooratizing	collulitie	а		
Synergistic necrotizing	Celiulitis	a		
Polymicrobial	with facultative and an	a ലസ്ത്ത നമാലുട്ടോ that d	originate in the intestine:	o Romanethim
Polymicrobial	with facultative and an	a cobbic norganisms that o	or,iginate in the intestine;	o Baeethin
Polymicrobial	with facultative and an	a cobbic norganisms that o	or,iginate in the intestine;	(dBaeething
Polymicrobial	with facultative and an	a cobbor organisms that o	or,iginate in the intestine;	(Brazetlain)
Polymicrobial	with facultative and an	a cobitoio norganisms that o	or,iginate in the intestine;	(dBaething

Fournier gangrene

Similar to	nonstreptococcal	NF (type I)		
Clostridial	soft-tissue infections			
C.	perfringens	,	other	histoto
Anaerobic	cellulitis			

Anaerobic	myonecrosis	(gas gangrene)	
Chantanagua	nontroumatio	anaarahia	myonoorooio
Spontaneous,	nontraumatic	anaerobic	myonecrosis
C.	septicum	(bacteremic
Nonclostridial	anaerobic	cellulitis	

Various	Bacteroides	sp.,	peptostreptococci
Progressive bacterial sy	y Merbjistiy gangrene (gangrene)	
Mixed bacterial infectio	n		
Mixed bacterial infectio	11		
Ulcer base			
S.	aureus		
<i>5.</i>	aureus		
Proteus	sp., other Gram-negation	ve bacilli	

Advancing margin				
Microaerophilic	or anaerobic streptoco	cci		
Gangrenous	cellulitis	in the	immunosuppressed	individ
P.	aeruginosa	(ecthyma	gangre
Bacillus	sp., other bacterial and	d fungal sp.		
a	Essentially the same as	snonstreptococcal	necrotizing	fasciiti

Recurrent erysipelas is associated with saphenous vein harvest (occasionally in association with tinea pedis) and lymphedema

complicating mastectomy with

axillary

node dissection. In these cases, erysipelas presents with edema and

erythema

along lines of

venectomy

or nodal dissection. In addition, resultant

lymphedema

from a previous episode of erysipelas is a risk factor for recurrence, particularly on the lower extremities. Congenital

lymphedema

(Milroy disease) may also lead to recurrent erysipelas.