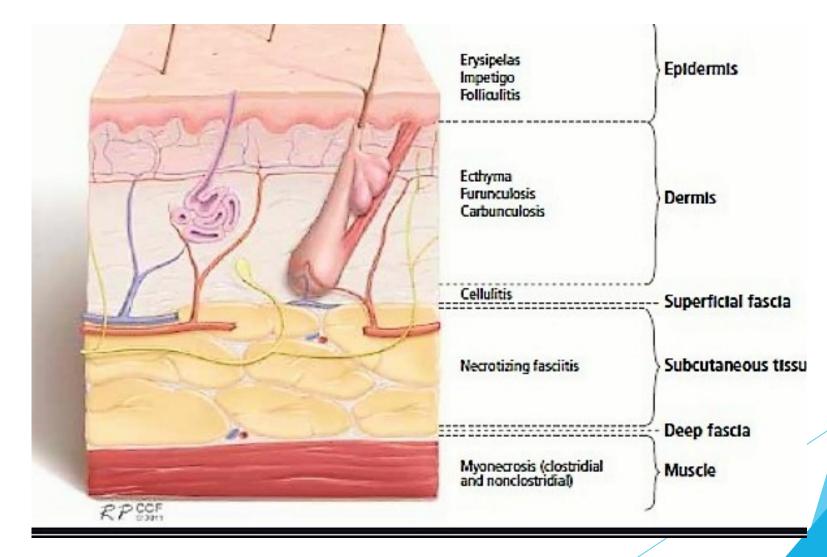
Skin Infections

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Skin Infections in Primary Care

- Impetigo
- PVL infections
- Infected eczema
- Cellulitis
- Scarlet fever
- Erysipelas
- Necrotising Fasciitis

Classification of Infection



Infections caused by Staph. aureus

- Folliculitis
- Boils
- Impetigo
- Infected eczema
- Ecythema
- PVL staph infection
- Scalded skin
- Staphylococcal toxic shock

Impetigo

- Can occur secondary to break in skin or spontaneously
- Face / hands / skin folds
- Vesicular lesions ooze -> golden brown crust
- Contagious
- Topical fucidic acid 2% tds for 5 days
- Large areas oral Tx flucloxacillin



PVL (Panton- Valentine Leukocidin) Infection



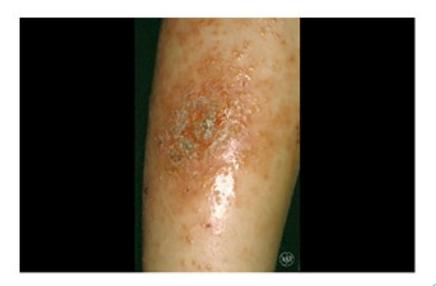


- Some strains of Staph. aureus produce this toxin
- Furuncles / carbuncles
- Invasive ->Tissue necrosis
- Can cause deep recurrent abscesses
- Prolonged antibiotic course
 - Rifampicin + clindamycin 4/52
 - Chlorhexidine washes
 - Mupiricin nasal ointment

Infected eczema

- Mostly St.aureus
- If widespread oral flucloxacillin
- Emollients with antibacterial activity if recurrent







Staphylococcal scalded skin syndrome

Scalded Skin Syndrome

- Exotoxin release (coag +ve staph)
- Neonates / young children
- Red, blistered skin looks like burn
- Tissue paper wrinkles, large blisters which burst -> raw skin
- Extremely painful analgesia
- Intensive support to counteract fluid loss

Infections caused by Group A Strep.

- Cellulitis
- Scarlet fever
- Erysipelas
- Septicaemia
- Necrotising fasciitis

Cellulitis

- Usually lower extremities
- Rapid onset pain / tenderness
- May be systemically unwell
- Usually unilateral
- Demarcation, erythema
- Inflamed lymph nodes
- Blistering
- Usually GpA Strep also Gp C or G or St. aureus
- Needs systemic IV treatment?
 - ► Temp 1↓
 - Tachycardia
 - Hypotensive
- Flucloxacillin
 - Co-amoxiclav for facial ?H.influenzae



Eryisipelas

- Commonly affects face or lower extremities - butterfly type rash on face
- Well defined with raised borders
- Pain
- Inflammation
- Fever
- Penicillin V or IV BZP if systemically unwell





Erysipelas



Scarlet Fever

- Gp A Strep -> pyrogenic exotoxins
- Notifiable disease
- Widespread rash
 - Tiny spots
 - Blanches with pressure
- Usually childhood illness
- May occur after sore throat
- Can lead to septicaemia
- Contagious 1-4 day incubation
- Small risk of quinsy, otitis media, pneumonia, meningitis
- 10 day course Pen V



Necrotising Fasciitis

- Gp A Strep but often polymicrobial
- Pain >> physical findings
- Unwell > temp, heart rate
- Rapid progression
- Gas in tissues -> crackling
- Violaceous bullae with cutaneous haemorrhage and skin soughing
- IV abx V broad spectrum
 - BZP+Fluclox+Clindamycin+Metronidazole +/-Gent
 - Rapid surgical review



Case Study



- Patient presents to pharmacy with rash opposite
- What is your response?

Questions?

- When did rash appear?
- Is the rash anywhere else?
- Are they well in themselves? No temperature, chills, fevers, joint pains, aches etc
- Is it itchy or sore?

Further information

- Rash developed yesterday and seems bigger today. It is slightly itchy.
- Patient feels slightly feverish and has sore joints
- What further questions may you want to ask?

Further information

Patient was up in Trossachs at weekend with her dog walking in the woodland. It was idyllic - there were lambs in the fields and deer running wild



Erythema migrans

- Round or oral in shape
- Pink, red or purple
- Often has clearing at centre bullseye
- Appears 3-10days after tick bite usually at site of bite
- Usually larger than 5cm but can be very large
- May be slightly tender or itchy



Lyme disease

- Borrelia bergdorferi
- Tick borne disease
- Up to 90% will present with erythema migrans
- Can have significant complications = cardiac, neurological, joint (arthritis)
- Treat with Doxycyline 100mg bd for 10-21 days (depending on severity) -
- 3-4/52 if facial palsy or other complications

Questions?