

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

EXANTHEMS

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EXANTHEMS

➤ OBJECTIVE

- Definition

- Types

- Differential Diagnosis

- Diseases:

 - . Measles
 - . Roseola

 - . Rubella
 - . Scarlet fever

 - . Chickenpox

EXANTHEMS

- Definition: Rashes with fever.
- Exanthem vs. Enanthem.
- Diagnosis:
 - .History ;(onset, contact, vaccination)
 - .Examination; site, shape, size, color, ccc. of rashe
 - .Investigation.

EXANTHEMS

➤ Types :

-Macular : 

-Papular : 

-Vesicular: 

-Vesiculobullous: 

1)MACULOPAPULAR RASHES

Differential Diagnosis:

I- *VIRUS*

- .Measles
- .Rubella
- .Roseola infantum
- .Erythema infectiosum
- .Infectious mononucleosis
- .Enterovirus (coxsacki,echo)

MACULOPAPULAR RASHES

➤ DD. *Cont,*

II-*BACTERIA*

.Scarlet fever

.Meningococcal infection

III- DRUGS Hypersensitivity reaction

VI- KAWASAKI disease

MACULOPAPULAR RASHES

➤ MEASLES

-Agent:

RNA virus

-Transmission:

droplet ,contagious. (spring)

-Age:

5 – 10 Years

=

MEASLES

STAGES:

1. Incubation stage.(10-12d)

2. Prodromal stage.(3-5d)

fever, conjunctivitis, Koplick's

3. Exanthema stage.(7-10d)

MEASLES

CONJUNCTIVITIS

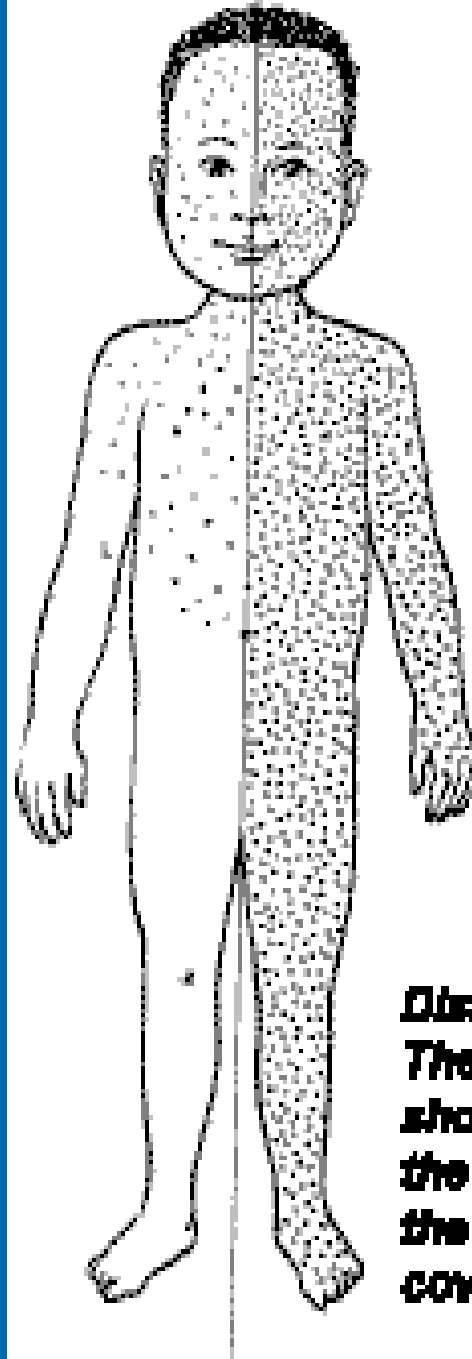


MEASLES

KOPLICK'S SPOTS



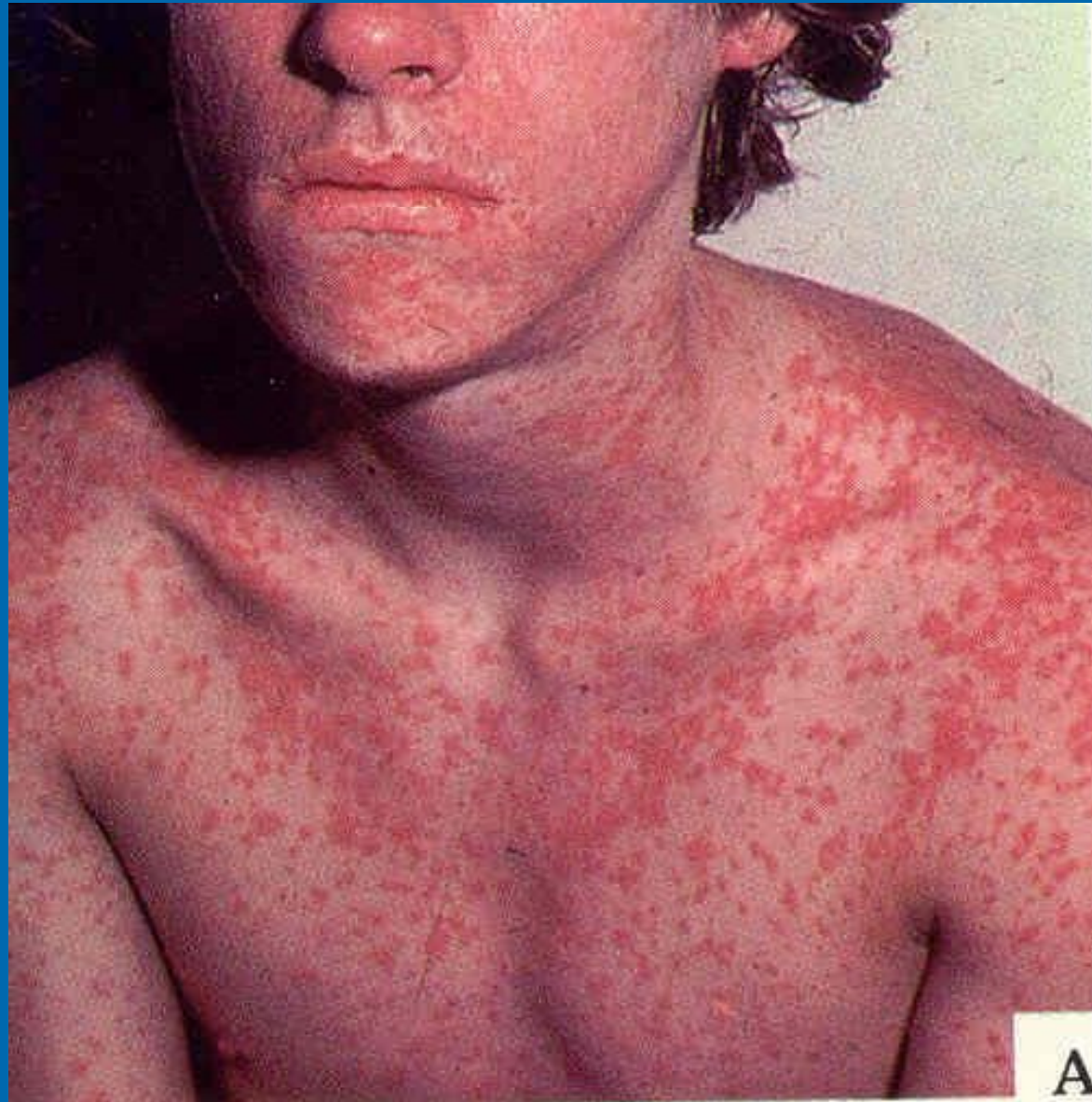
DISTRIBUTION of measles rash



***Distribution of measles rash.
The left side of the drawing
shows the early rash covering
the head and upper part of the trunk,
the right side shows the later rash
covering the whole body.***

MEASLES

RASH



MEASLES



MACULOPAPULAR RASH (MEASLES)



MEASLES

-Investigation: ↓WBC, lymphocytosis

-Complication:

.otitis media

.pneumonia

.encephalitis

-Prognosis:

-fatality 1-2 /1000

-SSPE

MEASLES

-Prevention:

isolation

vaccination

-Prophylaxis:

passive immunization with Ig (IM)

- pregnant .

- immunocompromised

- pt. <12 months.

RUBELLA

German Measles

-Agent:

RNA virus ,rubavirus.

-Transmission:

droplet , transplacental .
spring

-Age:

5 – 15 Years
subclinical.

-Incubation peroid: 14-21d

RUBELLA

C/P:

-Prodromal Phase :

mild ccc ↑LN of

(retroauricular ,postoccipital ,post.cervical)

enanthema(Forcheimer spots)

-Rash:

maculopapular rash 3 days.

RUBELLA

ENANTHEM



RUBELLA

- Maculopapular rash



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RUBELLA



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CONGENITAL RUBELLA



ROSEOLA INFANTUM

-Agent:

DNA virus, Human HV6

-Transmission :

droplet

- Age :

- Infants ,6 -15 monthes

ROSEOLA INFANTUM

klStages:

mild prodromal symptoms

high fever 3-5days resolves by crisis or lysis, then a maculopapular rash .

-Prognosis : GOOD

Immuncosuppresed[hepatitis

int. pnemonitis]

ROSEOLA INFANTUM



ROSEOLA INFANTUM





2) VESICULAR RASHES

➤ DIFFERENTIAL DIAGNOSIS:

1) VIRUS

- Varicella Zoster Virus (chickenpox)
- Herpes simplex I (Herpes Labialis)
- Coxsackievirus A16 (H.F.M.dis.)

2) VESICULAR RASHES, DD

II) BACTERIAL

- Impetigo
- Staphylococcal Scalded Skin Syndrom

III) DRUGS

- Erythema multiforms(S J S)
- Toxic Epidermal Necrolysis

CHICKENPOX

-Agent: Varicella Zoster Virus (VZV).

DNA virus.

-Transmission: Air borne

droplet, direct

late winter ,spring

-Incubation period : 14-21 days.

CHICKENPOX

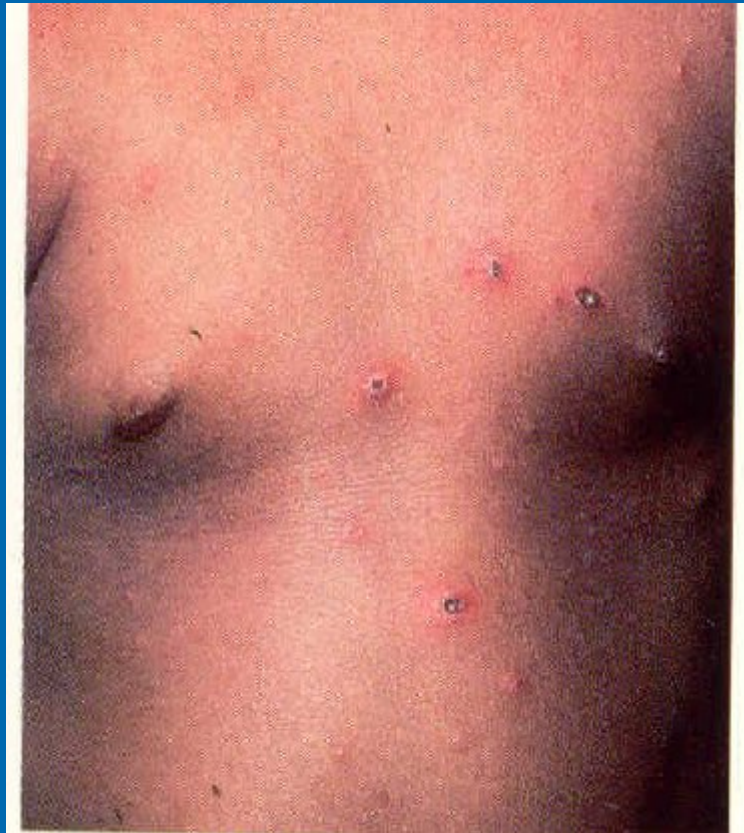
Clinical manifestation

- Prodromal symptoms :MILD
- Rash : vesicles (crops)



CP.

➤ CP.CRUST



CHICKENPOX

-Diagnosis: Tzanck smear ,PCR.

-Complication:

.bacterial infection

.CNS → encephalitis ,ataxia

.pneumonia

-NEONATAL Varecilla.

-CONGENTIAL Varecilla.

CHICKENPOX

➤ PREVENTION

-Vaccination

-Prophylaxis : VZIG

. immunocompromised

. pregnant

.NB (5d. before&2 d. after)

DD RASH

- Scarlet fever
- Erythema infectiosum
- EBV
- Adenovirus
- Herpes simplex
- Herpes zoster
- H.M.F

SCARLET FEVER

- Agent:
Group A Strept. erythrogenic toxin.
- Onset: acute.
- I.P : 1-7 days.

SCARLET FEVER, *cont;*

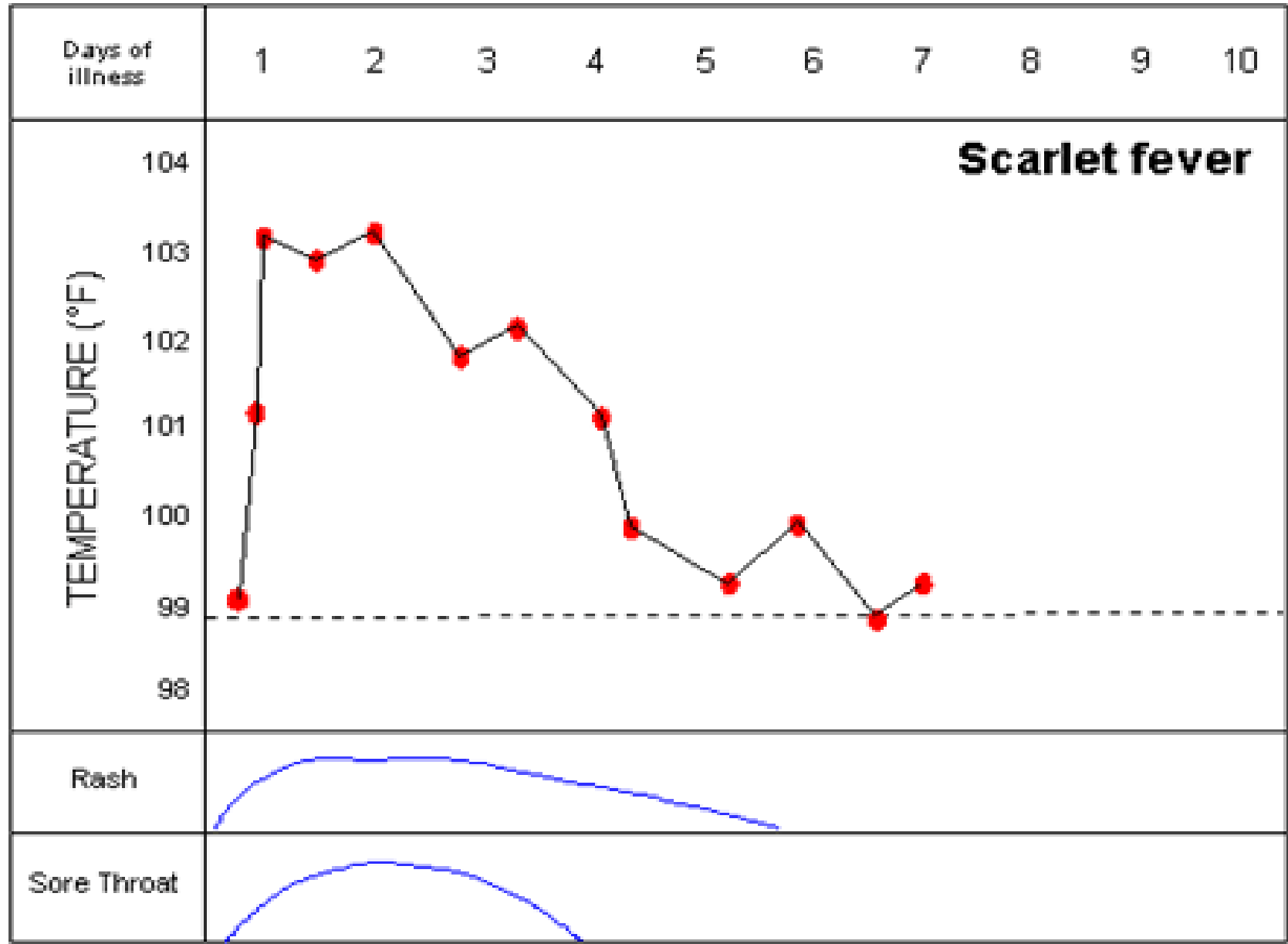
C/P :

fever ,headache, vomiting,abd.pain
chills, pharyngitis, coated tonsils tongue
white/red strawberry.

Exanthema:

erythema, papular (sand paper),flushed
face, circumoral pallor, Pastia's sign.

Desquamation 1-6 weeks.



SCARLET FEVER



SCARLET FEVER

Diagnosis:

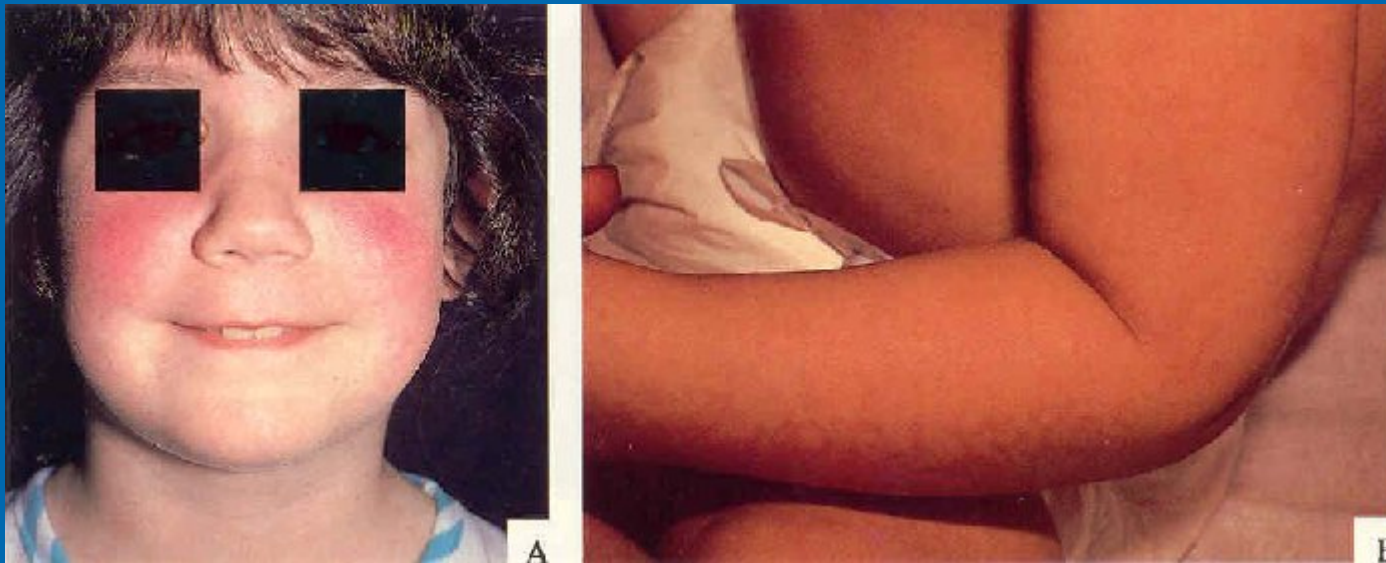
- culture group *A streptococcus*
- ASO, anti DNase titer

Treatment :

Penicillin 10 days.

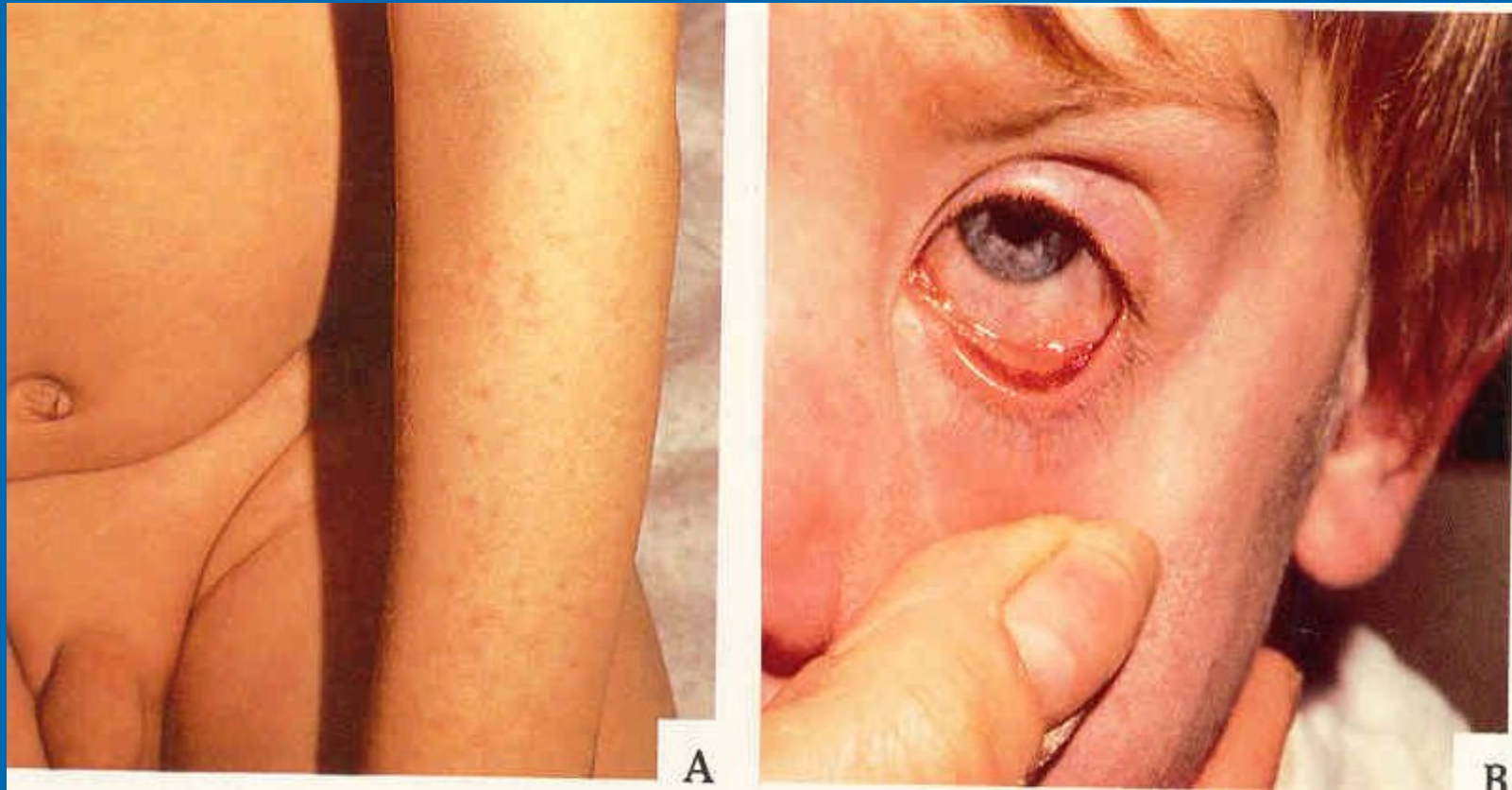
Erythema Infectiosum

Parvovirus [B19 fifth dis.]



Adeno Virus

➤ MP rash



EBV-Infectious Mononucleosis



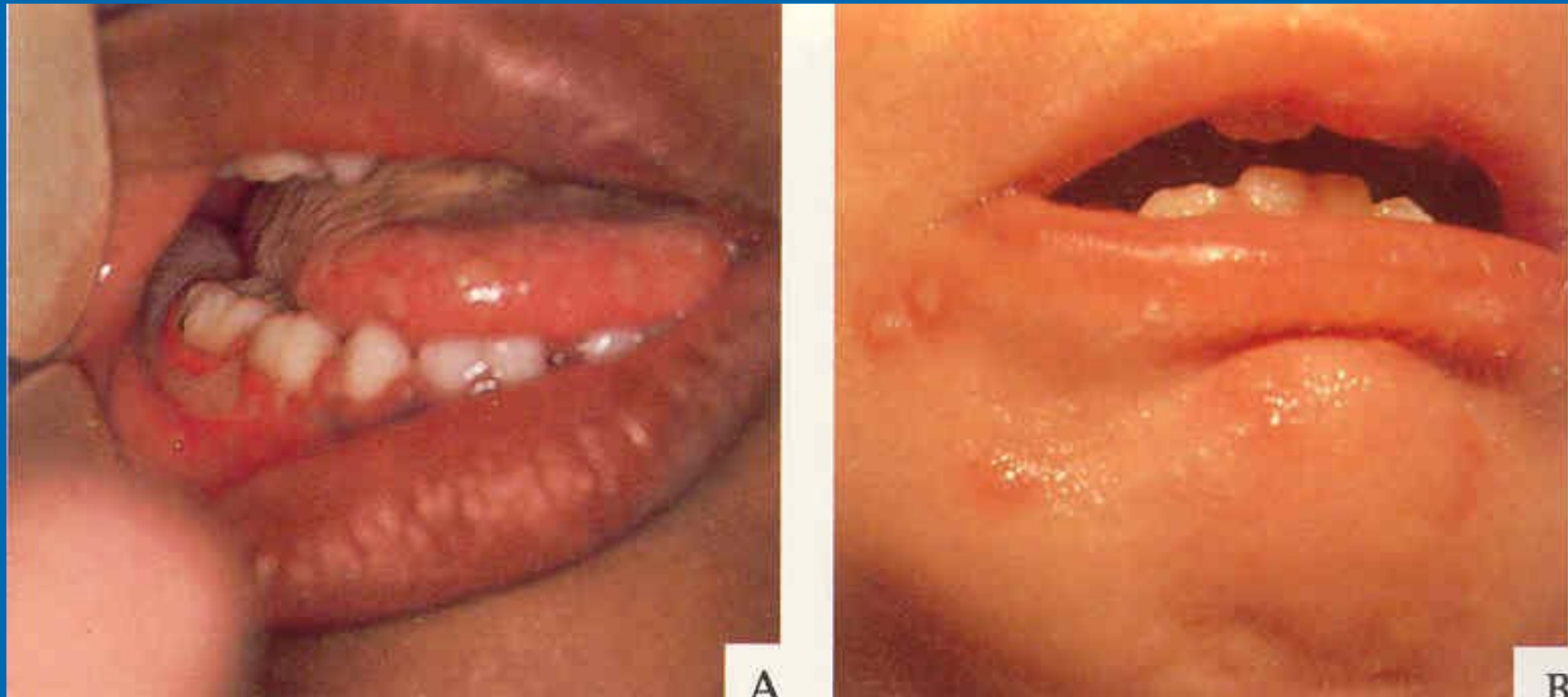
➤ Drug reaction



SHINGLES [Herpes Zoster]



HERPES SIMPLEX



COXSACKI A16

- Hand –foot and mouth disease





THANK YOU