

Fever & skin rash

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Objectives:

You need to have an idea about:-

- Definition of fever
- Types of skin rash
- Characteristic features of the rash and significance to determine the etiology.
- Provide a basic overview of the approach to fever and rash

Then we will highlight several fever and rash cases (infectious and non-infectious causes) in a case-based format.





Bulla

Circumscribed
collection of
free fluid > 1 cm



Macule

Circular flat
discoloration
< 1cm
brown, blue, red or
hypopigmented



Nodule

Circular, Elevated,
Solid Lesion
> 1 cm



Patch

Circumscribed
Flat Discoloration
> 1cm



Papule

Superficial solid
elevated, ≤ 0.5 cm,
color varies



Plaque

Superficial elevated
solid flat
topped lesion
> 1 cm



Pustule

Vesicle containing
puss (inflammatory
cells)



Vesicle

Circular collection
of free fluid
 ≤ 1 cm

Case1

- A 1 year old girl is seen for several days history of fever and refusal to eat. Physical examination reveals a slightly dehydrated child with punched out, painful oral ulcers with associated small red macules on the face, palms and soles with some itchy red papules and vesicle over the chest and abdomen.



- What other point in the history u want to know?

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Case 2: This 2 years-old child presented with fever for the last 4 days that increase more today with erythematous generalized rash.

Examination showed a miserable child with this rash over all his body , you notice that he also has bilateral red congested eyes, and watery discharge from both ears



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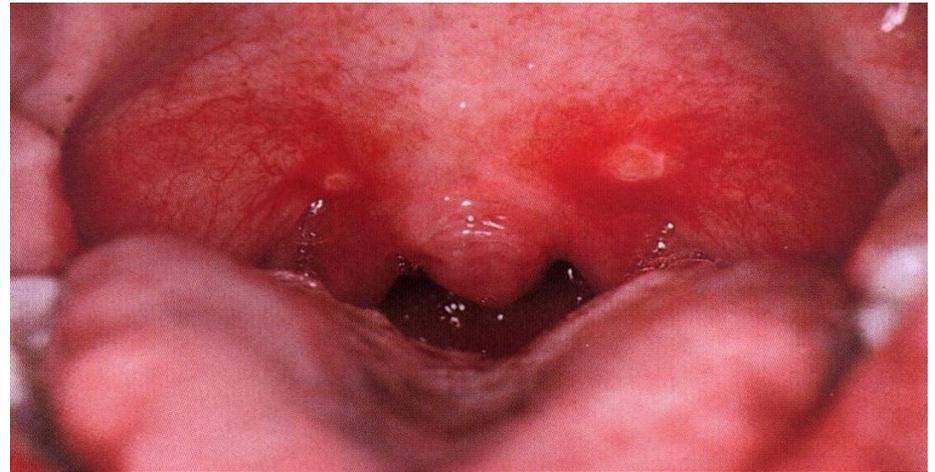
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Case 3

2 years old boy presented with 2 days history of fever ,frequent bowel motions , refusal to feed and repeated vomiting,

O/E: ill- looking child,
feverish 38.5 0 C,
dehydrated, and with
this skin rash.



What is your 1st step to manage this child?

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- Which lab. Tests you need to do for him?

Case 4

- A 7-year-old female presented with red rashes present on the face appear since last summer that was followed by vesicular lesions and red scaly lesions over the scalp and around the mouth, she have difficulty in eating due to painful oral ulcers .
- Over the last week she developed low-grade fever with pain over right knee and ankle . There was no similar complaint in the family or any episode of gastrointestinal upset for the past 3 months.

there was a significant history of worsening of facial skin lesions after sun-exposure



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Case 5: 2 year old boy developed a high grade fever of 2 days' duration with mild conjunctivitis, erythematous rash and cervical lymphadenopathy. A viral infection was diagnosed and his mother was reassured.

When he presented to hospital 3 days later, he was feverish with cracked red lips and red strawberry like tongue. He was admitted and a full septic screen, including a lumbar puncture, was performed **all were negative.**



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- b. What lab. Tests you should send for him?**

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- c. What is your provisional diagnosis?**

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- b. What lab. Tests you should send for him?**
- c. What is your provisional diagnosis?**
- d. What are the complications might affects her?**

- Thank you