

date: 7/11/2022

medicine

Time allowed: 3 hours

Microbiology and immunology department

(Total marks 150)



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## Cases

### Case no (1):

A 12-year-old boy presented with a papular (bumpy) leg rash. He tried some low potency steroid cream (1% hydrocortisone) to relieve the itch, but it got worse and the rash progressed to involve almost the whole leg. There are some blisters from which fluid can be sampled and on Gram stain they show some white blood cells and gram-positive cocci  
(15 marks)

1. What is the most likely cause of this boy's illness and explain your diagnosis?
2. What is this disease called?
3. Laboratory diagnosis of this microorganism
4. How would you treat it?