



A 7-year-old boy presents to his primary care physician with a swollen left eye. Three days ago, what was thought to be a pimple developed below his left eye, adjacent to his nose. Two days ago, the left eyelids appeared erythematous and swollen. Yesterday, the swelling became worse, and the patient's mother noted discharge from his left eye. In addition, he had a low-grade fever and complained of having a headache and body aches. The patient's father is in the US Army Special Forces and is being deployed to Iraq next week. What is the diagnosis? What is the likely pathogen and how would you treat it? 5 points



A 55-year-old man with a fever for 10 days developed a crusted plaque on his left flank (picture on the R). There was a black eschar with surrounding erythema and small vesicles. Two weeks earlier his grandson developed a similar lesion associated with high fever, sepsis, seizures and death.

What is the diagnosis? 1 point

What investigations would you perform? 2 points

How would you treat it? 1 point