

Write the name of the disease causing the problem for each of the case study patients. (Each correct answer is worth 2 points) Either common names or scientific names are ok. 😊

CASE STUDY

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**TURN OVER →**

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\_\_\_\_\_ / 50 points

21. Baby Rose C. has been home from the hospital, since her delivery, for 4 months and has been the picture of health. Rose is teething and was so irritable last week that her mom decided to give Rose some baby Tylenol using her doctor's recommendation. To make the medicine go down "better," Rose's mom Laura, heard that a spoonful of honey will make Rose not fuss so much when taking the baby Tylenol. In the last 3 days, Rose has been constipated and has not produced any stools and Laura has begun to feel her own

breasts becoming engorged. After calling Rose's pediatrician, Laura is instructed to give Rose some apple juice to get Rose "back on track." Two more days pass and Rose just doesn't seem right; her eyelids are droopy, her head seems somewhat "floppy," she is barely suckling, she drools more than usual, she cries with the faintest sound and she doesn't seem to be taking good, deep breaths. It is the weekend, so Laura brings Rose to the emergency room at their local hospital. Upon physical exam, the emergency room doctor notices that Rose has decreased muscle tone, has little to no gag reflex, shows poor tendon reflexes and seems irritable. The doctor tells Laura that Rose needs to be admitted for a full workup to determine the cause of Rose's medical issues. In the meantime, Rose is put in the intensive care unit and is put on a ventilator while she is given intravenous fluids and nasogastric tube feeding. The results of Rose's workup reveal she has no fever, she is not septic, her blood profile and panel are unremarkable, no abnormal findings are found with her serum ammonia levels, radiographs prove normal and toxin tests are pending. A stool sample is obtained through colonic irrigation and a spore forming bacillus is found, as is a potent toxin, in Rose's stool; she is administered an immunoglobulin, BIGIV. After being in the hospital for over one month, Rose is able to breathe and feed normally again and recovers fully from her ordeal.

What is causing baby Rose's constipation and breathing problems?

Laura fed Rose honey. Why can this be a potential problem when fed to newborns less than one year of age?

Could the problem have been caused by something other than feeding Rose honey; if so, what?

What is BIGIV and how did it help Rose?

22. Glyniss H., a 45 year old professor of Cultural Studies, has been feeling sluggish recently and has been polyphagic, polyuric and polydipsic. She has lost weight, she notices her mouth is often dry and her skin feels dry and sometimes itches. Furthermore, Glyniss is noticing creamy white patches developing in the back of her throat, on her inner cheeks and on her tongue. When Glyniss goes to her doctor to find out what is going on, the doctor learns about Glyniss's medical history and suggests they initially run a blood